

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
---	--	---

Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II	Basic Plan Information —enter all requested information
1a Name of plan BOYCE THOMPSON INSTITUTE 403(B) RETIREMENT PLAN	1b Three-digit plan number (PN) ▶ 003
	1c Effective date of plan 01/01/1989
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC. 533 TOWER ROAD ITHACA, NY 14853-1801	2b Employer Identification Number (EIN) 13-1739923 2c Plan Sponsor's telephone number 607-254-3500 2d Business code (see instructions) 541700

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2023	LISA BENNETT
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN 3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 315
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits..... d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)..... h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		 6a(1) 97 6a(2) 122 6b 0 6c 112 6d 234 6e 0 6f 234 6g 226 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2M 2S 2T 3D b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ 0 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☐ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)	

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan BOYCE THOMPSON INSTITUTE 403(B) RETIREMENT PLAN	B Three-digit plan number (PN) ▶	003
C Plan sponsor's name as shown on line 2a of Form 5500 BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC.	D Employer Identification Number (EIN) 13-1739923	

Part I	Service Provider Information (see instructions)
--------	---

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation	
BENEFIT PLANS ADMIN SERVICES, INC	
16-1503696	

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation	
COLUMBIA THREADNEEDLE INVESTMENTS	254 SUMMER STREET 3RD FLOOR BOSTON, MA 02110

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation	
--	--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation	
--	--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

BENEFIT PLANS ADMINISTRATIVE SVC

16-1503696

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 50 64	NONE	14006	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection				
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>						
A Name of plan <u>BOYCE THOMPSON INSTITUTE 403(B) RETIREMENT PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">B Three-digit plan number (PN) ►</td> <td style="width: 20%; text-align: center;"><u>003</u></td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> </table>		B Three-digit plan number (PN) ►	<u>003</u>		
B Three-digit plan number (PN) ►	<u>003</u>					
C Plan sponsor's name as shown on line 2a of Form 5500 <u>BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC.</u>	D Employer Identification Number (EIN) <u>13-1739923</u>					

Part I	Asset and Liability Statement		
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....		1a	
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....		1b(1)	94370
(2) Participant contributions.....		1b(2)	269080
(3) Other.....		1b(3)	
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....		1c(1)	967268869290
(2) U.S. Government securities		1c(2)	
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred		1c(3)(A)	
(B) All other		1c(3)(B)	
(4) Corporate stocks (other than employer securities):			
(A) Preferred		1c(4)(A)	
(B) Common.....		1c(4)(B)	
(5) Partnership/joint venture interests		1c(5)	
(6) Real estate (other than employer real property)		1c(6)	
(7) Loans (other than to participants).....		1c(7)	
(8) Participant loans.....		1c(8)	094179
(9) Value of interest in common/collective trusts.....		1c(9)	
(10) Value of interest in pooled separate accounts		1c(10)	
(11) Value of interest in master trust investment accounts.....		1c(11)	
(12) Value of interest in 103-12 investment entities		1c(12)	
(13) Value of interest in registered investment companies (e.g., mutual funds).....		1c(13)	2286556818539365
(14) Value of funds held in insurance company general account (unallocated contracts).....		1c(14)	
(15) Other		1c(15)	

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	23869181	19502834

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	23869181	19502834
---	-----------	----------	----------

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	737018	
(B) Participants	2a(1)(B)	688987	
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		1426005
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	1048	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		1048
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	555831	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		555831
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-4207298
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-2224414
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	2127927	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		2127927
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)	6236	
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)	7770	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		14006
j Total expenses. Add all expense amounts in column (b) and enter total	2j		2141933
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-4366347
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: **BOWERS & COMPANY CPAS PLLC**

(2) EIN: **20-1317788**

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a	X		54432

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan BOYCE THOMPSON INSTITUTE 403(B) RETIREMENT PLAN		B Three-digit plan number (PN) ► 003
C Plan sponsor's name as shown on line 2a of Form 5500 BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC.		D Employer Identification Number (EIN) 13-1739923
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 16-1065416		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☒ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☒ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:	14a		
a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....		14b	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)			14c
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)			
15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:			
a The corresponding number for the plan year immediately preceding the current plan year.....	15a		
b The corresponding number for the second preceding plan year.....	15b		
16 Information with respect to any employers who withdrew from the plan during the preceding plan year:			
a Enter the number of employers who withdrew during the preceding plan year	16a		
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b		
17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐			

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
 Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

FINANCIAL REPORT

**For the Years Ended
December 31, 2022 and 2021**



BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

TABLE OF CONTENTS

Independent Auditor's Report	1-4
Statements of Net Assets Available for Benefits	5
Statements of Changes in Net Assets Available for Benefits	6
Notes to Financial Statements	7-13
Schedule of Assets (Held at End of Year)	14
Schedule of Delinquent Participant Contributions	15



INDEPENDENT AUDITOR'S REPORT

To the Participants and Plan Administrator of the
Boyce Thompson Institute 403(b) Retirement Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the financial statements of Boyce Thompson Institute 403(b) Retirement Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from a qualified institution as of December 31, 2022 and 2021, and for the years then ended stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the Financial Statements section:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP).
- The information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

INSERO & Co. CPAs, LLP

The Highest Standard | (800) 232-9547 | www.inserocpa.com

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with U.S. GAAP, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern within one year after the date that the financial statements are issued or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the Plan, and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor's Responsibilities for the Audit of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.

- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of U.S. GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with U.S. GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter - Supplemental Schedules Required by ERISA

The supplemental Schedule of Assets (Held at End of Year) as of December 31, 2022, and the Schedule of Delinquent Participant Contributions for the year then ended, are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedules related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Respectfully submitted,

A handwritten signature in black ink that reads "Inero & Co. CPAs, LLP". The signature is written in a cursive, flowing style.

Inero & Co. CPAs, LLP
Certified Public Accountants

Rochester, New York
October 2, 2023

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS DECEMBER 31, 2022 AND 2021

	<u>2022</u>	<u>2021</u>
ASSETS		
Investments, at Fair Value		
Mutual Funds	\$ 18,539,365	\$ 22,865,568
Money Market Fund	<u>869,290</u>	<u>967,268</u>
Total Investments, at Fair Value	19,408,655	23,832,836
Receivables		
Notes Receivable from Participants	94,179	-
Participant Contributions	-	26,908
Employer Contributions	<u>-</u>	<u>9,437</u>
Total Receivables	<u>94,179</u>	<u>36,345</u>
Net Assets Available for Benefits	<u>\$ 19,502,834</u>	<u>\$ 23,869,181</u>

See Notes to Financial Statements

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS FOR THE YEARS ENDED DECEMBER 31, 2022 AND 2021

	<u>2022</u>	<u>2021</u>
Additions to Net Assets Attributed to:		
Investment Income		
Net Appreciation in Fair Value of Investments	\$ -	\$ 2,842,155
Interest and Dividends	<u>555,831</u>	<u>661,467</u>
Total Investment Income	<u>555,831</u>	<u>3,503,622</u>
Interest on Notes Receivable from Participants	<u>1,048</u>	<u>-</u>
Contributions		
Participants	688,987	684,121
Employer	737,018	910,790
Rollovers	<u>-</u>	<u>72,157</u>
Total Contributions	<u>1,426,005</u>	<u>1,667,068</u>
Total Additions	<u>1,982,884</u>	<u>5,170,690</u>
Deductions from Net Assets Attributed to:		
Net Depreciation in Fair Value of Investments	4,207,298	-
Benefit Payments	2,127,927	714,575
Administrative Expenses	<u>14,006</u>	<u>5,919</u>
Total Deductions	<u>6,349,231</u>	<u>720,494</u>
Net (Decrease) Increase	(4,366,347)	4,450,196
Net Assets Available for Benefits:		
Beginning of Year	<u>23,869,181</u>	<u>19,418,985</u>
End of Year	<u><u>\$ 19,502,834</u></u>	<u><u>\$ 23,869,181</u></u>

See Notes to Financial Statements

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 and 2021

***Note 1* Description of Plan**

The following description of the Boyce Thompson Institute 403(b) Retirement Plan (the Plan) provides only general information. Participants should refer to the Plan agreement for more information and a complete description of the Plan's provisions.

General

The Plan is a contributory defined contribution plan covering all employees of Boyce Thompson Institute for Plant Research, Inc. (the Institute) (Plan Sponsor) who have met certain requirements as to age and hours of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Administration

The Institute and its appointed Benefit Plan Committee (the Committee) are responsible for the general administration of the Plan. The Committee consists of members appointed by the Institute's Board of Directors. Benefit Plan Administrative Services, Inc. (BPAS) is the recordkeeper for the Plan and Hand Benefits & Trust Company is the trustee and custodian of the Plan's assets.

Eligibility

Employees of the Institute who work at least 20 hours per week are eligible to participate in the Plan immediately upon hire. Leased employees, independent contractors, any contractor hired through, or who is an employee of an outside agency, or any employee who is a member of a unit covered by a collective bargaining agreement under which retirement benefits are provided are not eligible for Institute contributions.

Institute Contributions

Employees are entitled to matching and nonelective employer contributions. Annually, the Institute will contribute an amount equal to the lesser of 100% of a participant's elective employee contribution or 4% of the participant's plan year compensation. In addition, employees are eligible to receive discretionary non-elective employer contributions after one year of service, 1,000 hours of service and attainment of age 21. The amount contributed is based on years of service as follows:

<u>Years of Service</u>	<u>Percent Contribution</u>
0 - 4	6%
5 - 9	8%
10 - 14	11%
15+	12%

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 and 2021

***Note 1* Description of Plan - Continued**

Participant Contributions

All eligible employees may defer a portion of their salary or wages before taxes to purchase retirement benefits under the tax-deferral arrangement authorized by Section 403(b) of the Internal Revenue Code of 1986. The Plan also allows for roth contributions. In addition, any employee who is eligible to make elective employee contributions under the Plan, who has attained age 50 and who has not contributed the maximum allowable amount for the Plan, is eligible to make catch-up contributions.

Eligible employees hired on or after July 1, 2020 will be automatically enrolled at a deferral rate of 3% of eligible compensation unless they opt out of the Plan.

Participants direct how their contributions are to be invested. If the employee fails to direct, the investment is placed in the default account as approved by the Committee.

The Plan accepts rollovers and transfers from other qualified plans, but only for those employees eligible to participate in the Plan.

Participant Accounts

Each participant's account is credited with the participant's contributions, employer's contributions, and an allocation of net plan earnings (losses) and administrative expenses. The income or loss of each investment option, including the change in market value of investments, is allocated to participant accounts based on each participant's proportionate interest in the investment option. Such accounts are invested in available investment options in accordance with the participant's direction and the plan provisions. The benefit to which a participant is entitled is the benefit that can be provided by the participant's vested account balance.

Vesting

Employees are fully vested in the matching contribution provided by the Institute and in the non-elective employer contribution after three years of service.

Forfeitures

Participants who terminate employment before becoming fully vested will forfeit their interest in the non-elective employer contribution accounts. These accounts will be held in the Plan for use by the Institute to pay plan expenses, reduce matching contributions, or reduce nonelective employer contributions. Employer contributions and fees paid out of the forfeitures account during the years ended December 31, 2022 and 2021 were \$157,950 and \$-0-, respectively. The forfeiture account had a balance of \$11,348 and \$142,934 as of December 31, 2022 and 2021, respectively.

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 and 2021

***Note 1* Description of Plan - Continued**

Notes Receivable from Participants

Effective August 1, 2022, the Plan was amended to permit loans. Under this loan policy, participants are permitted to borrow from their accounts a minimum of \$1,000 up to a maximum of \$50,000, reduced by the highest outstanding loan balance on any loans to the participant from the Plan during the one-year period ending on the day before such loan is made, or 50% of the participant's vested account balance, whichever is lower. Participant notes are secured by the balance in the participant's accounts and bear interest at the prime rate. In general, loans must be repaid within five years; however, if the loan is used to purchase a principal residence, the repayment period can extend to 25 years. The Plan allows only one outstanding loan at a given time.

Payment of Benefits

Unless a participant otherwise elects, distributions of benefits in a lump sum or partial payment begin after their early retirement date or normal retirement date. Participants that terminate employment with account balances less than \$5,000 will have their account balance automatically distributed in a lump sum. Distributions from the Plan may not be made available until an employee dies, attains age 59-1/2, terminates employment, becomes disabled or, in the case of salary reduction contributions only, encounters financial hardship. Terminated employees may not roll over contributions into the Plan. In the event an employee dies prior to receiving the full amount of benefits, the remaining amount will be paid to the participant's beneficiary in accordance with options provided in the Plan.

***Note 2* Summary of Significant Accounting Policies**

Administrative Expenses

Bookkeeping and audit services are paid for by the plan sponsor. Administrative and investment advisory fees are paid by the Plan.

Plan Termination

Although the Institute has not expressed any intent to do so, it has the right to terminate the Plan at any time subject to the provisions of ERISA. In the event of Plan termination, participants will become 100% vested in the nonelective employer contribution. All distributions would be made in accordance with any applicable requirements of ERISA and the Internal Revenue Code (IRC).

Basis of Accounting

The accompanying financial statements of the Plan are prepared in conformity with accounting principles generally accepted in the United States of America.

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 and 2021

***Note 2* Summary of Significant Accounting Policies - Continued**

Risks and Uncertainties

The Plan offers a number of investment funds for participants. Investment securities, in general, are exposed to various risks such as interest rate, credit, and overall market volatility. Market risks include global events which could impact the value of investment securities, such as inflation, a pandemic or international conflict. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term, and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance, plus accrued but unpaid interest. Delinquent notes receivable from participants are reclassified as distributions based upon the terms of the Plan document.

Payment of Benefits

Benefit payments are recorded when paid.

Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, and changes therein and disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from these estimates.

Subsequent Events

In preparing the financial statements, management has evaluated events and transactions for potential recognition or disclosure through October 2, 2023, the date that the financial statements were available to be issued.

***Note 3* Certified Investment Information**

The following information was certified as accurate and complete by Hand Benefits & Trust Company, and is included in the accompanying financial statements and schedule of assets (held at end of year):

Statements of Net Assets Available for Benefits		2022	2021
Assets			
Mutual Funds	\$	18,539,365	\$ 22,865,568
Money Market Fund		869,290	967,268
Notes Receivable from Participants		94,179	-
Statements of Changes in Net Assets Available for Benefits			
Net (Depreciation) Appreciation in Fair Value of Investments	\$	(4,207,298)	\$ 2,842,155
Interest and Dividends		555,831	661,467
Interest on Notes Receivable from Participants		1,048	-

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 and 2021

***Note 4* Investment Valuation and Income Recognition**

Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

The Plan follows the fair value measurement guidance required by accounting principles generally accepted in the United States of America for financial and non-financial assets and liabilities. That guidance defines fair value and provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described below:

Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2022 and 2021.

Mutual Funds and Money Market Fund: Valued using the Net Asset Value (NAV) provided by the administrator of the fund. The NAV is based on the value of the underlying assets owned by the fund, minus its liabilities, and then divided by the number of shares outstanding. The NAV is a quoted price in an active market.

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 and 2021

***Note 4* Investment Valuation and Income Recognition - Continued**

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The Plan's investments at fair value, within the fair value hierarchy, were as follows as of December 31:

	Investments, at Fair Value as of December 31, 2022	
	Level 1	Total
Mutual Funds	\$ 18,539,365	\$ 18,539,365
Money Market Fund	869,290	869,290
	<u>\$ 19,408,655</u>	<u>\$ 19,408,655</u>

	Investments, at Fair Value as of December 31, 2021	
	Level 1	Total
Mutual Funds	\$ 22,865,568	\$ 22,865,568
Money Market Fund	967,268	967,268
	<u>\$ 23,832,836</u>	<u>\$ 23,832,836</u>

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation/(depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

***Note 5* Tax Status**

The Plan adopted a volume submitter plan sponsored by BPAS. The volume submitter plan has received an opinion letter dated March 31, 2017 from the Internal Revenue Service (IRS) as to the volume submitter plan's qualified status. The volume submitter plan opinion letter has been relied upon by this Plan. The Plan Administrator believes that the Plan is designed and is currently being operated in compliance with the applicable provision of the IRC.

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 and 2021

***Note 5* Tax Status - Continued**

Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan Administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2022, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

***Note 6* Party-in-Interest Transactions**

Notes receivable from participants qualify as party-in-interest transactions.

***Note 7* Prohibited Transactions**

During 2021, the Institute failed to deposit approximately \$54,432 of participant deferrals within the required timeframe as stated by the DOL. The DOL considers late deposits to be prohibited transactions. The Institute will make additional contributions to the Plan for lost earnings related to the delinquent deposits.

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

SCHEDULE OF ASSETS (HELD AT END OF YEAR)

DECEMBER 31, 2022

EIN: 13-1739923

Plan Number: 003

<u>Identity of Issue</u>	<u>Description of Investment</u>	<u>Current Value</u>
Money Market Fund		
Fidelity	Government Money Market Fund	\$ 869,290
Mutual Funds		
Vanguard	500 Index Admiral	2,519,441
TIAA-CREF	Lifecycle Index 2025 Fund Institutional Class	1,959,615
TIAA-CREF	Lifecycle Index 2045 Fund Institutional Class	1,897,056
Vanguard	Value Index Fund Admiral Shares	1,830,876
Vanguard	Total Bond Market Index Admiral	1,681,290
Vanguard	Total International Stock Index Admiral	1,429,043
Vanguard	Growth Index Admiral	1,045,610
TIAA-CREF	Lifecycle Index 2055 Fund Institutional Class	1,016,208
Fidelity	Total Market Index Inst Prem	965,787
Columbia	Mid Cap Index Institutional	937,380
Vanguard	Small Cap Value Index Fund Admiral	830,635
DFA	US Small Cap Portfolio	572,310
TIAA-CREF	Lifecycle Index 2035 Fund Institutional Class	513,203
Vanguard	Small Cap Growth Index Admiral	484,133
DFA	Inflation-Protected Securities	243,394
TIAA-CREF	Lifecycle Index 2015 Fund Institutional Class	224,066
DFA	Real Estate Securities	223,438
TIAA-CREF	Lifecycle Index 2050 Fund Institutional Class	71,914
TIAA-CREF	Lifecycle Index Retirement Income Fund Institutional Class	60,368
TIAA-CREF	Lifecycle Index 2065 Fund Institutional Class	18,876
TIAA-CREF	Lifecycle Index 2040 Fund Institutional Class	10,119
TIAA-CREF	Lifecycle Index 2060 Fund Institutional Class	4,603
Total Mutual Funds		<u>18,539,365</u>
* Participant Loans	Interest Rates ranging from 5.50% to 6.25% with maturity dates ranging from October 2025 to September 2027	<u>94,179</u>
Total Investments		<u><u>\$ 19,502,834</u></u>

* Denotes Party-in-Interest

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

SCHEDULE OF DELINQUENT PARTICIPANT CONTRIBUTIONS FOR THE YEAR ENDED DECEMBER 31, 2022

EIN: 13-1739923

Plan Number: 003

Year	Participant Contributions Transferred Late to Plan	Total that Constitute Nonexempt Prohibited Transactions			Total Fully Corrected Under Voluntary Fiduciary Correction Program (VFCP) and Prohibited Transaction Exemption 2002- 51
		Contributions not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	
2021	\$ 54,432	\$ 54,432	\$ -	\$ -	\$ -

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

SCHEDULE OF DELINQUENT PARTICIPANT CONTRIBUTIONS FOR THE YEAR ENDED DECEMBER 31, 2022

EIN: 13-1739923

Plan Number: 003

Year	Participant Contributions Transferred Late to Plan	Total that Constitute Nonexempt Prohibited Transactions			Total Fully Corrected Under Voluntary Fiduciary Correction Program (VFCP) and Prohibited Transaction Exemption 2002- 51
		Contributions not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	
2021	\$ 54,432	\$ 54,432	\$ -	\$ -	\$ -

BOYCE THOMPSON INSTITUTE 403(b) RETIREMENT PLAN

SCHEDULE OF ASSETS (HELD AT END OF YEAR)

DECEMBER 31, 2022

EIN: 13-1739923

Plan Number: 003

<u>Identity of Issue</u>	<u>Description of Investment</u>	<u>Current Value</u>
Money Market Fund		
Fidelity	Government Money Market Fund	\$ 869,290
Mutual Funds		
Vanguard	500 Index Admiral	2,519,441
TIAA-CREF	Lifecycle Index 2025 Fund Institutional Class	1,959,615
TIAA-CREF	Lifecycle Index 2045 Fund Institutional Class	1,897,056
Vanguard	Value Index Fund Admiral Shares	1,830,876
Vanguard	Total Bond Market Index Admiral	1,681,290
Vanguard	Total International Stock Index Admiral	1,429,043
Vanguard	Growth Index Admiral	1,045,610
TIAA-CREF	Lifecycle Index 2055 Fund Institutional Class	1,016,208
Fidelity	Total Market Index Inst Prem	965,787
Columbia	Mid Cap Index Institutional	937,380
Vanguard	Small Cap Value Index Fund Admiral	830,635
DFA	US Small Cap Portfolio	572,310
TIAA-CREF	Lifecycle Index 2035 Fund Institutional Class	513,203
Vanguard	Small Cap Growth Index Admiral	484,133
DFA	Inflation-Protected Securities	243,394
TIAA-CREF	Lifecycle Index 2015 Fund Institutional Class	224,066
DFA	Real Estate Securities	223,438
TIAA-CREF	Lifecycle Index 2050 Fund Institutional Class	71,914
TIAA-CREF	Lifecycle Index Retirement Income Fund Institutional Class	60,368
TIAA-CREF	Lifecycle Index 2065 Fund Institutional Class	18,876
TIAA-CREF	Lifecycle Index 2040 Fund Institutional Class	10,119
TIAA-CREF	Lifecycle Index 2060 Fund Institutional Class	4,603
Total Mutual Funds		<u>18,539,365</u>
* Participant Loans	Interest Rates ranging from 5.50% to 6.25% with maturity dates ranging from October 2025 to September 2027	<u>94,179</u>
Total Investments		<u><u>\$ 19,502,834</u></u>

* Denotes Party-in-Interest