## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D C	205/19
vvasilliquui,	D.C.	20049

<b>STATEMENT</b>	<b>OF CHANGES</b>	IN BENEFICIAL	<b>OWNERSHIP</b>

l	UMB APPRO	IB APPROVAL							
l	OMB Number:	3235-0287							
l	Estimated average burde	en							
l	hours per response:	0.5							

I

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* FLETCHER R JOHN					2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]								Relationship eck all appli X Directo	cable)	g Pers	son(s) to Issi 10% Ow		
(Last) 108 CHE	(F ERRY HILL	•	(Middle)				of Earli 2019	iest Trans	saction (Month/Day/Year)					Officer below)	(give title		Other (s below)	pecify
(Street) BEVERI (City)		tate)	01915 (Zip)		_				·		d (Month/Da	,	Line	E) X Form f Form f Persor	iled by One iled by Mor	e Repo	(Check App orting Persor One Repor	ı
1. Title of S	Security (Inst		ole I - No	n-Deri		_	A. Dee		quired	, Dis		of, or Bei		5. Amou		6. Ov	vnership	7. Nature
		Date (Month/Day/Y		Exe //Year) if a		Execution Date, if any (Month/Day/Year)		Transaction Di		Of (D) (Instr		Benefic Owned	ally Following	(D) o	r Indirect I	of Indirect Beneficial Ownership		
									Code V A		Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)				Instr. 4)
Common Stock			12/12	2/2019	2019					10,000	A	\$6.4	62	,104		D		
Common	Stock			12/12	2/2019				М		10,000	A	\$7.2	72,104			D	
Common Stock 12/			12/12	2/2019	2019		S		20,000	D	\$23.52	(1) 52	,104		D			
		-	Table II -								osed of,			Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	ed Date,	4. Transa	5. Number 6 cansaction of E ode (Instr. Derivative (I		6. Date Exercisable and Expiration Date (Month/Day/Year)  7. Title and of Securities Underlying Derivative S (Instr. 3 and			d Amount ies g Security	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	s S Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Shares					
Stock Option (right to buy)	\$6.4	12/12/2019			M			10,000	01/12/20	)12	07/15/2021	Common Stock	10,000	\$0.00	0		D	
Stock Option	\$7.2	12/12/2019			M			10,000	01/11/20	)15	07/15/2021	Common	10,000	\$0.00	0		D	

## **Explanation of Responses:**

1. The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$23.50 to \$23.61, inclusive. The reporting person undertakes to provide to Axcelis Technologies, Inc., any security holder of Axcelis Technologies, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price.

## Remarks:

buy)

Lynnette C. Fallon, as attorney in fact for R. John Fletcher

12/12/2019

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.