#### FRODSHAM JAMES

Form 4

March 21, 2019

## FORM 4

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number: 3235-0287

**OMB APPROVAL** 

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average

Form 4 or Form 5 obligations may continue.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

burden hours per response... 0.5

*See* Instruction 1(b).

1(0).

(Print or Type Responses)

1. Name and Address of Reporting Person * FRODSHAM JAMES			2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(спеск ан аррисанс)			
			(Month/Day/Year)	Director 10% Owner			
C/O CIENA CORPORATION, 7035 RIDGE RD.			03/20/2019	X Officer (give title Other (specify below) SR. VP, Chief Strategy Officer			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person			
HANOVER, MD 21076-1426				Form filed by More than One Reporting Person			

(City)	(State) (	Zip) Table	e I - Non-D	erivative :	Secur	ities Acq	uired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	03/20/2019		F	436 (1)	D	\$ 37.92	135,961 (2)	D	
Common Stock	03/20/2019		F	453 (3)	D	\$ 37.92	135,508 (2)	D	
Common Stock	03/20/2019		F	468 (4)	D	\$ 37.92	135,040 (2)	D	
Common Stock	03/20/2019		F	598 (5)	D	\$ 37.92	134,442 (2)	D	

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

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	of		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
					(Instr. 3, 4, and 5)				Amount		
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Number of Shares		

## **Reporting Owners**

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

**FRODSHAM JAMES** C/O CIENA CORPORATION 7035 RIDGE RD. HANOVER, MD 21076-1426

SR. VP, Chief Strategy Officer

#### **Signatures**

By: Michelle Rankin For: James A 03/21/2019 Frodsham

> \*\*Signature of Reporting Person Date

### **Explanation of Responses:**

- 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).
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/15/2015. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/17/2015.
- (2) Shares reported include unvested Restricted Stock Units (RSUs) and Performance Stock Units (PSUs).
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award (3)agreement dated 12/18/2018. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/20/2018.
- Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award **(4)** agreement dated 12/14/2016. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2016.

**(5)** 

Reporting Owners 2

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Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/12/2017. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/14/2017.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.