FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPRO	VAL							
	OMB Number:	3235-0287							
l	Estimated average burden								
l	hours per response:	0.5							

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

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1. Name and Address of Reporting Person* SMITH ARTHUR D							2. Issuer Name and Ticker or Trading Symbol CIENA CORP CIEN									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
SIMITH ARTHUR D																	Direc			Owner		
,						·									\dashv	X	Officer (give title below)		Othe belov	r (specify w)		
(Last)		(Firs	t) (3. Date of Earliest Transaction (Month/Day/Year) 02/02/2008											,	TING OFFI	,				
C/O CIENA CORPORATION						02/	02/02/2000										C1111	or Dru	11110 0111	CLIC		
1201 WINTERSON ROAD																						
							4. If Amendment, Date of Original Filed (Month/Day/Year)										6. Individual or Joint/Group Filing (Check Applicable					
(Street)																Line)						
LINTHIC	CUM,	MD) 2	21090													X Form filed by One Reporting Person					
				.											Form filed by More than One Reporting Person							
(City) (State) (Zip)																	1 613011					
(- 3)		(
			Tabl	e I - Nor	າ-Deriv	ative	Se	curitie	es Acc	quired,	Dis	posed o	of, o	r Ben	efici	ally C)wne	ed				
1. Title of S	Security (nstr.	3)		2. Transa	action					3. 4. Securities Acquired (A)							ount of	6. Ownership	7. Nature		
					Date (Month/D	Day/Yea		Execution Date, if any					Disposed Of (D) (Instr. 3, 4		. 3, 4 a	Bene		cially	Form: Direct (D) or Indirect	of Indirect Beneficial		
,							1	(Month/Day/Year)		8)		<u> </u>						d Following ted	(I) (Instr. 4)	Ownership (Instr. 4)		
										Code	v	Amount		(A) or P		Trans		action(s) 3 and 4)		(,		
											-		_			<u> </u>						
Common Stock 02/02/							3					480(1)) D \$2		\$26	5.41 104,327		04,327	D			
			Ta	ble II - I	Derivati	ive S	ecu	rities	Acani	ired. D	isno	sed of,	or F	Benef	iciall	v Ow	ned		<u>:</u>			
												onvertib				,						
1. Title of	2.	1	3. Transaction	3A. Deem	ed	d 4.		5. Nu	5. Number 6		xerci	sable and	7. Title and			8. Price		9. Number o	f 10.	11. Nature		
Derivative Security	Conversi or Exerci		Date (Month/Day/Year)	Execution if any		Transactio					Expiration Date (Month/Day/Year)			nount of		Derivative Security		derivative Securities	Ownership Form:	of Indirect Beneficial		
(Instr. 3)	Price of			(Month/Day/		8)	msu.	r. Derivative (Securities		(WOTH)L	al)	Securities Underlying			(Instr. 5)		Beneficially	Direct (D)	Ownership			
	Derivativ Security	e						Acquired (A) or				Derivative Security (Instr.		str. 3	,		Owned Following	or Indirect (I) (Instr. 4				
							Disposed of (D) (Instr. 3, 4						and 4)				Reported Transaction(s) (Instr. 4)					
												(5)										
					and 5)																	
														Am	ount							
														Nu	mber							
						Code	v	(A)	(D)	Date Exercisa		Expiration Date	Titl	of le Sha	ares							
	I								<u> </u>							1						

Explanation of Responses:

1. Shares reported represent the amount forfeited to cover the tax liabilities of the reporting person pursuant to a restricted stock unit (RSU) award agreement dated November 1, 2005. The RSU vests at the end of Ciena's fiscal quarters over a four year year term and shares are issued net of taxes upon vesting. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 filed on November 3, 2005.

By: Erik Lichter For: Arthur D. <u>02/05/2008</u> Smith

** 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.

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