UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
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05

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

FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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	ss of Reporting Person	1*	2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
<u>NETTLES P</u>	AIRICKH			X	Director	10% Owner				
(Last) C/O CIENA CC 1201 WINTERS		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 06/07/2006	x	Officer (give title below) Executive Ch	Other (specify below) nairman				
(Street) LINTHICUM (City)	MD (State)	21090 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv X	Form filed by One Rep	g (Check Applicable Line) orting Person n One Reporting Person				
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			Securities Beneficially Owned	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		Transaction(s) (Instr. 3 and 4)		(1150.4)	
Common Stock	06/07/2006		М		1,750,000	Α	\$1.15	4,204,261	D	
Common Stock	06/07/2006		S		1,750,000	D	\$4.5466	2,454,261	D	

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. Transa Code (8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Reported Transaction(s) (Instr. 4)		
Employee Stock Option	\$1.15	06/07/2006		М			1,750,000 ⁽¹⁾	(2)	06/21/2006	Common Stock	1,750,000	\$0	0	D	

Explanation of Responses:

1. Reflects the exercise of options that were due to expire on June 21,2006.

2. Option vested at a rate of 25% on the last day of the month of the one-year anniversary of the grant date and 2.084% for each of the 36 months thereafter.

<u>/s/ Patrick H. Nettles by Anita</u>	
Weiskerger per POA	

06/09/2006

** Signature of Reporting Person

rting Person Date

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

 \ast 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.