

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

1. Name and Address of Reporting Person  
 Sevin Rosen Bayless Management, Co.  
 Two Galleria Tower  
 13455 Noel Road, Suite 1670  
 Dallas, TX 75240
2. Issuer Name and Ticker or Trading Symbol  
 CIENA Corporation  
 ("CIEN")
3. IRS or Social Security Number of Reporting Person (Voluntary)
4. Statement for Month/Year  
 May 1997
5. If Amendment, Date of Original (Month/Year)
6. Relationship of Reporting Person(s) to Issuer (Check all applicable)  
 ( ) Director (X) 10% Owner ( ) Officer (give title below) ( ) Other  
 (specify below)
7. Individual or Joint/Group Filing (Check Applicable Line)  
 ( ) Form filed by One Reporting Person  
 ( ) Form filed by More than One Reporting Person

Table I -- Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security	2. Transaction Date	3. Code	4. Securities Acquired (A) or Disposed of (D) Amount	5. Amount of Securities Beneficially Owned at End of Month	6. Director (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
Common Stock	5/27/97	J(1)	1,108,183	9,973,647	I	By Sevin Rosen Fund IV L.P. (2)
Common Stock				42,375	D	
Common Stock	5/27/97	J(3)	71,429	642,856	I	By Sevin Rosen Fund V L.P. (2)

Table II -- Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Derivative Security	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date	4. Derivative Acquired (A) or Disposed of (D) Amount	5. Number of Derivative Securities Acquired (A) or Disposed of (D) Amount	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities	8. Price of Derivative Security	9. Number of Derivative Securities Beneficially Owned at End of Month	10. Director (D) or Indirect (I)	11. Nature of Indirect Beneficial Ownership

Explanation of Responses:

- (1) Distribution by Sevin Rosen Fund IV L.P. to its partners.
- (2) Sevin Rosen Bayless Management Co. is an affiliate of each of Sevin Rosen Fund IV L.P. and Sevin Rosen Fund V L.P. and may be deemed to beneficially own the shares held by these entities.
- (3) Distribution by Sevin Rosen Fund V L.P. to its partners.

SIGNATURE OF REPORTING PERSON  
 /s/ John V. Jagers, Vice President  
 DATE  
 June 10, 1997