

Filed Pursuant to Rule 424(b)(3)

Registration No.: 333-80375

Prospectus Supplement Dated June 12, 2000
 (To Prospectus Dated August 30, 1999)

CIENA Corporation

13,166,284 Shares of Common Stock

The information in this prospectus supplement supplements the information set forth under the caption "Selling Stockholders" in the prospectus.

SELLING STOCKHOLDERS

The following information supplements the information set forth under the caption "Selling Stockholders" in the prospectus:

SELLING STOCKHOLDERS -----	NUMBER OF SHARES BENEFICIALLY OWNED BEFORE THE OFFERING -----	PERCENTAGE OF TOTAL CIENA OUTSTANDING SHARES BENEFICIALLY OWNED BEFORE THE OFFERING -----	NUMBER OF SHARES OFFERED -----	NUMBER AND PERCENTAGE OF SHARES BENEFICIALLY OWNED AFTER THE OFFERING -----
JANCI Foundation(1)	5,000	*	5,000	0

 (1) JANCI Foundation is the transferee of 5,000 shares listed in the prospectus as being held by Jeffrey Weiss.