

PROSPECTUS SUPPLEMENT NO. 1
TO PROSPECTUS DATED JANUARY 6, 1999

1,329,698 SHARES
ASPEN TECHNOLOGY, INC.
COMMON STOCK

This Prospectus Supplement supplements the information we provided in our January 6, 1999 Prospectus relating to our common stock. This Prospectus Supplement is not complete without the Prospectus, and we have not authorized anyone to deliver or use this Prospectus Supplement without the Prospectus.

In this Prospectus Supplement, we use capitalized terms that we defined in the Prospectus. You should read the Prospectus to understand those terms. Unless we indicate otherwise, the information in this Prospectus Supplement is as of January 27, 1999.

We are providing this Prospectus Supplement to delete the information regarding Donald E. Shobryns in the table under the caption "Selling Stockholders" in the Prospectus and to replace that information with the following:

NAME	SHARES BENEFICIALLY OWNED PRIOR TO OFFERING (1)		NUMBER OF SHARES BEING OFFERED	SHARES TO BE BENEFICIALLY OWNED AFTER OFFERING IF ALL SHARES SOLD (1)	
	NUMBER	PERCENT		NUMBER	PERCENT
Donald E. Shobryns.....	208,068	*	208,068	--	--
Massachusetts Institute of Technology.....	10,000	*	10,000	--	--

* Percentage of shares beneficially owned is less than 1.0%.

(1) Beneficial ownership is determined in accordance with the rules of the Securities and Exchange Commission and generally includes voting or investment power with respect to securities. Except as indicated, each of the selling stockholders possesses sole voting and investment power with respect to all of the shares of common stock owned by them, subject to community property laws where applicable. For purposes of this Prospectus Supplement only, we have calculated this percentage on the basis of 24,926,493 shares of common stock outstanding on January 21, 1999.

THE DATE OF THIS PROSPECTUS SUPPLEMENT IS FEBRUARY 4, 1999.