

# FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response...	0.5

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

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * <b>CONNELL HOWARD V</b>		2. Issuer Name and Ticker or Trading Symbol <b>TECHNE CORP /MN/ [TECH]</b>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> 10% Owner <input type="checkbox"/> Other (specify below)	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 09/16/2004		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
7705 E. DOUBLETREE RANCH RD #20			4. If Amendment, Date Original Filed (Month/Day/Year)		
(Street) SCOTTSDALE, AZ 85258					
(City)	(State)	(Zip)			

**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)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	09/16/2004		G		1,375	D	\$ 40	120,605	I	O'Connell Trusts
Common Stock								18,900	D	

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

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 control number. SEC 1474 (9-02)

**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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Date Exercisable	Expiration Date						Title
Director Stock Option	\$ 37.10	10/21/2004		A	5,000	10/21/2004	10/20/2014	Common Stock	5,000	\$ 0	5,000	D	
Director Stock Option	\$ 9.7813					10/23/1997	10/22/2007	Common Stock	20,000		20,000	D	
Director Stock Option	\$ 8.50					10/22/1998	10/22/2008	Common Stock	20,000		20,000	D	
Director Stock Option	\$ 20					10/21/1999	10/21/2009	Common Stock	20,000		20,000	D	
Director Stock Option	\$ 52.6565					11/09/2000	11/09/2010	Common Stock	10,000		10,000	D	
Director Stock Option	\$ 29.10					10/18/2001	10/18/2011	Common Stock	5,000		5,000	D	
Director Stock Option	\$ 30.65					10/24/2002	10/24/2012	Common Stock	5,000		5,000	D	
Director Stock Option	\$ 32.90					10/23/2003	10/23/2013	Common Stock	5,000		5,000	D	

### Reporting Owners

Relationships
---------------

Reporting Owner Name / Address	Director	10% Owner	Officer	Other
O'CONNELL HOWARD V 7705 E. DOUBLETREE RANCH RD #20 SCOTTSDALE, AZ 85258	X			

## Signatures

Howard V. O'Connell		10/22/2004
<small>**Signature of Reporting Person</small>		<small>Date</small>

## Explanation of Responses:

\* 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.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.