

FORM 5

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

OMB APPROVAL	
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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 3 Holdings Reported
- Form 4 Transactions Reported

ANNUAL 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

1. Name and Address of Reporting Person OCONNELL HOWARD V		2. Issuer Name and Ticker or Trading Symbol TECHNE CORP /MN/ [TECH]		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. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 06/30/2009		6. Individual or Joint/Group Reporting (check applicable line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person
1649 QUESTWOOD DRIVE			4. If Amendment, Date Original Filed(Month/Day/Year)		
(Street) FALCON HEIGHTS, MN 55113			(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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common Stock	05/09/2008		S4	5,000	D	\$ 73.24	127,629	I	O'Connell Trusts

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

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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 at End of Issuer's Fiscal Year (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date					
Director Stock Option	\$ 65.47						10/23/2008	10/22/2018	Common Stock	5,000	5,000	D	
Director Stock Option	\$ 66.59						10/25/2007	10/24/2017	Common Stock	5,000	5,000	D	
Director Stock Option	\$ 56.17						10/26/2006	10/25/2016	Common Stock	5,000	5,000	D	
Director Stock Option	\$ 54.68						10/27/2005	10/26/2015	Common Stock	5,000	5,000	D	
Director Stock Option	\$ 37.10						10/21/2004	10/21/2014	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	
Director Stock Option	\$ 30.65						10/24/2002	10/24/2012	Common Stock	5,000	5,000	D	
Director Stock Option	\$ 29.10						10/18/2001	10/18/2011	Common Stock	3,000	3,000	D	
Common Stock	\$ 52.6565						10/09/2000	10/09/2010	Common Stock	10,000	10,000	D	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
O'CONNELL HOWARD V 1649 QUESTWOOD DRIVE FALCON HEIGHTS, MN 55113	X			

Signatures

Howard V. O'Connell	08/10/2009
<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 provided is insufficient, see Instruction 6 for procedure.

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