FORM 4

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

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

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 * 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)
(Last) (First) (Middle) 1649 QUESTWOOD DRIVE	3. Date of Earliest Transaction (Month/Day/Year) 05/04/2011	X Director ___ 10% Owner ___ Officer (give title below) ___ Other (specify below)
(Street) FALCON HEIGHTS, MN 55113	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) X Form filed by One Reporting Person ___ Form filed by More than One Reporting Person
(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	05/04/2011		G		1,640	D	$ 78.56	120,989	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 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)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option	$ 61.46							10/28/2010	10/27/2020	Common Stock	5,000		5,000	D	
Stock Option	$ 63.03							10/29/2009	10/28/2019	Common Stock	5,000		5,000	I	O'Connell Trust
Stock Option	$ 65.47							10/23/2008	10/22/2018	Common Stock	5,000		5,000	I	O'Connell Trust
Stock Option	$ 66.59							10/25/2007	10/24/2017	Common Stock	5,000		5,000	I	O'Connell Trust
Stock Option	$ 56.17							10/26/2006	10/25/2016	Common Stock	5,000		5,000	I	O'Connell Trust
Stock Option	$ 54.68							10/27/2005	10/26/2015	Common Stock	5,000		5,000	I	O'Connell Trust
Stock Option	$ 37.10							10/21/2004	10/24/2014	Common Stock	5,000		5,000	I	O'Connell Trust

Reporting Owners

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

Signatures

Howard V. O'Connell	05/05/2011
** Signature of Reporting Person	Date

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.

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