| FORM | 4 |
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(Print or Type P

| Check this box if no |
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| 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

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

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 OCONNELL HOW | 2. Issuer Name and TECHNE CORP | | | ••• | ol | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner | | | | | |
|--|-----------------------------------|--|--|---|------------|--|---|--------------------------|--|--|-------------------------|
| 1649 QUESTWOOD | (First) DRIVE | | 3. Date of Earliest T 10/25/2012 | ransaction (| Mon | th/Day/Y | ear) | | Other (specify be | low) | |
| FALCON HEIGHTS | | 4. If Amendment, D | ate Original | File | d(Month/Da | y/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) | Execution Date, if | xecution Date, if Code (A) or Disposed of | | of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: | 7. Nature of Indirect Beneficial | | |
| | | | (Month/Day/Year) | Code | V | Amount | (A) or (D) | Price | (Instr. 3 and 4) | Direct (D) or Indirect (I) (Instr. 4) | Ownership (Instr. 4) |
| Common Stock | | | | | | | | | 90,639 | Ι | O'Connell Trusts |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.
Persons who respond to the security of the securit

Persons who respond to the collection of information SEC 1474 (9-02) contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

| Derivative Security Secur | (e.g., puts, calls, warrants, options, convertible securities) | | | | | | | | | | | | | | | |
|---|--|--------------------|------------------|------------------|------------|------|--------|-------|-------------|------------|---------------|--------|------------|------------|------------|------------|
| Security Instr. 3 Pervarity Securi | | | | 3A. Deemed | 4. | | | ıber | | | | | | | 10. | 11. Nature |
| Instr. 3) Price of Security Securit | | | | | | tion | | | | | | | | | | |
| Derivative Security Derivative Security <thderivative Security Derivative Security</thderivative | Security | | (Month/Day/Year) | | | | | | (Month/Day/ | Year) | | | | | | |
| Security | (Instr. 3) | | | (Month/Day/Year) | (Instr. 8) |) | | | | | | | (Instr. 5) | | | |
| Image: branch with the section of the sect | | | | | | | | ed | | | (Instr. 3 and | d 4) | | | | (Instr. 4) |
| Image: branch with the section of the secti | | Security | | | | | | | | | | | | | | |
| Image: branch with the state in t | | | | | | | | ed | | | | | | | | |
| Image: branch branch Image: branch branch Image: branch | | | | | | | | | | | | | | | | |
| Image: biase biase Image: biase Image: biase | | | | | | | | 3, 4, | | | | | | (Instr. 4) | (Instr. 4) | |
| Image: binom b | | | | | | | and 5) | | | | | | | | | |
| Stock Option\$ 66.9010/25/2012AAA5,000A10/25/2012AA5,00010/25/2012AA5,00010/25/201210/25/2012A5,0005,0005,0005,000DImage: A formant and the constraints | | | | | | | | | | | | Amount | | | | |
| Image: Sected prime Image: Sected prime <thimage: prime<="" sected="" th=""> Image: Sected prime</thimage:> | | | | | | | | | Date | Expiration | | | | | | |
| Image: binominant state in the state in therest and the state in the state in there the state in t | | | | | | | | | | | Title | | | | | |
| Stock Option \$ 66.90 10/25/2012 A 5,000 I 0/25/2012 10/25/2012 10/25/2012 10/24/2022 Common Stock 5,000 \$ 0 5,000 D I Stock Option \$ 70.35 Image: Common Stock \$ 5,000 Image: Common Stock \$ 5,000 S 0 5,000 D Image: Common Stock \$ 5,000 < | | | | | | | | | | Date | | | | | | |
| Option \$ 66.90 10/25/2012 A \$ 5,000 10/25/2012 10/25/2012 10/25/2012 Stock \$,000 \$ 0 | | | | | Code | V | (A) | (D) | | | | Shares | | | | |
| Option Stock Stock <t< td=""><td>Stock</td><td>\$ 66.00</td><td>10/25/2012</td><td></td><td>٨</td><td></td><td>5 000</td><td></td><td>10/25/2012</td><td>10/24/2022</td><td>Common</td><td>5 000</td><td>¢ 0</td><td>5 000</td><td>D</td><td></td></t<> | Stock | \$ 66.00 | 10/25/2012 | | ٨ | | 5 000 | | 10/25/2012 | 10/24/2022 | Common | 5 000 | ¢ 0 | 5 000 | D | |
| Stock Option \$ 70.35 Image: Constraint of the stock | Option | \$ 00.90 | 10/23/2012 | | A | | 3,000 | | 10/23/2012 | 10/24/2022 | Stock | 3,000 | \$0 | 3,000 | D | |
| Option \$ 70.35 Image: Constraint of the const | - | | | | | | | | | | Comment | | | | | |
| Option Side < | | \$ 70.35 | | | | | | | 10/27/2011 | 10/26/2021 | | 5,000 | | 5,000 | D | |
| Option \$ 61.46 Image: Constraint of the c | Option | | | | | | | | | | Stock | · · | | , í | | |
| Option \$ 61.46 Image: Constraint of the c | Stock | 0 (1 4(| | | | | | | 10/20/2010 | 10/27/2020 | Common | 5 000 | | 5 000 | D | |
| Stock Option\$ 65.47Image: Stock Option\$ 66.59Image: Stock Option\$ 66.59Image: Stock Option\$ 66.59Image: Stock Option\$ 66.50Image: Stock Option\$ 66.57Image: Stock Option\$ 66.59Image: Stock Option\$ 56.17Image: Stock Option\$ 56.17Image: Stock Option\$ 56.17Image: Stock Option\$ 56.17Image: Stock Option\$ 54.68Image: Stock Option\$ 54.68Image: Stock Option\$ 37.10Image: Stock Option\$ 30.00Image: Stock Opti | Ontion | \$ 61.46 | | | | | | | 10/28/2010 | 10/2//2020 | | 5,000 | | 5,000 | D | |
| Options\$ 63.03Image: series of the ser | - | | | | | | | | | | | | | | | 010 11 |
| Stock Option\$ 65.47Image: Stock Option\$ 65.47Image: Stock Option\$ 65.47Image: Stock Option\$ 66.59Image: Stock Option\$ 66.59Image: Stock Option\$ 66.59Image: Stock Option\$ 66.59Image: Stock Option\$ 66.79Image: Stock Option\$ 56.17Image: Stock Option\$ 50.00Image: Stock Opti | | () | | | | | | | 10/00/0000 | 10/00/0010 | | | | | Ŧ | |
| Option \$ 65.47 Image: Constraint of the state of | Options | \$ 63.03 | | | | | | | 10/29/2009 | 10/28/2019 | Stock | 5,000 | | 5,000 | I | Trust |
| Option \$ 65.47 Image: Constraint of the state of | | | | | | | | | | | | | | | | |
| Option \$ 65.47 Image: Constraint of the c | Stock | • • • • • • | | | | | | | 10/00/0000 | 10/00/0010 | Common | | | | Ŧ | O'Connell |
| Stock Option\$ 66.59Image: Constant of the stock Option\$ 66.59Image: Constant of the stock Option\$ 66.59Image: Constant of the stock Option\$ 56.17Image: Constant of the stock Option\$ 50.00Image: Constant of the stock OptionImage: Constant of the stock Option\$ 50.00Image: Constant of the stock OptionImage: Constant of the stock Opti | Ontion | \$ 65.47 | | | | | | | 10/23/2008 | 10/22/2018 | | 5,000 | | 5,000 | 1 | Trust |
| Option \$ 66.59 Image: Constraint of the state of the | | | | | | | | | | | | | | | | |
| Option Stock S 56.17 Image: Constraint of the state of the st | | \$ 66 59 | | | | | | | 10/25/2007 | 10/24/2017 | | 5 000 | | 5 000 | T | |
| Option \$ 56.17 Image: Constraint of the state of the | Option | \$ 00.57 | | | | | | | 10/23/2007 | 10/24/2017 | Stock | 5,000 | | 5,000 | 1 | Trust |
| Option \$ 56.17 Image: Constraint of the state of the | Stock | | | | | | | | | | Common | | | | | O'Connell |
| STock Option \$ 54.68 Stock \$ 54.68 Image: Constant of the state of the | | \$ 56.17 | | | | | | | 10/26/2006 | 10/25/2016 | | 5,000 | | 5,000 | Ι | |
| Option \$ 34.08 Image: Constraint of the state of the | Option | | | | | | | | | | | | | | | |
| Option \$ 34.08 Image: Constraint of the state of the | STock | 0 54 (0 | | | | | | | 10/27/2005 | 10/20/2015 | Common | 5 000 | | 5 000 | т | O'Connell |
| Stock \$ 37.10 In/21/2004 In/20/2014 Common 5 000 In/21/2004 O'Connell | Option | \$ 54.08 | | | | | | | 10/2//2005 | 10/20/2015 | | 5,000 | | 5,000 | 1 | |
| | - | | | | | | | | | | | | | | | |
| Option Stock Stock Stock Trust | | \$ 37.10 | | | | | | | 10/21/2004 | 10/20/2014 | | 5,000 | | 5.000 | I | |
| | Option | | | | | | | | | | Stock | ., | | -, | | Trust |

Reporting Owners

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

Signatures

Howard V. O'Connell 10/26/2012 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.

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.