

McDaniel Gregory E
 Form 4
 November 23, 2004

FORM 4 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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 McDaniel Gregory E

2. Issuer Name and Ticker or Trading Symbol
 CROMPTON CORP [CK]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 199 BENSON ROAD
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 11/23/2004

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 SVP Strategy & New Bus. Dev.

MIDDLEBURY, CT 06749

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 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 | 11/23/2004 | | J ⁽¹⁾ | | 1,258.591 | A | \$ 0 |
| | | | | | | | 1,258.591 |
| | | | | | | | |
| Common Stock | 11/23/2004 | | J ⁽²⁾ | | 231.201 | A | \$ 0 |
| | | | | | | | 231.201 |
| | | | | | | | |
| Common Stock | 11/23/2004 | | J ⁽³⁾ | | 10,000 | A | \$ 11.24 |
| | | | | | | | 10,000 |
| | | | | | | | |

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

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(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) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| NQ Stock Option (Right to Buy) | \$ 11.24 | 11/23/2004 | | J ⁽⁴⁾ | 35,000 | 11/23/2005 11/22/2014 | Common Stock | 35,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| McDaniel Gregory E 199 BENSON ROAD MIDDLEBURY, CT 06749 | | | SVP Strategy & New Bus. Dev. | |

Signatures

Gregory E. McDaniel 11/23/2004

**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).
- (1) These shares were acquired during the fiscal year pursuant to the Registrant's Employee Stock Ownership Plan and through reinvestment of dividends paid on the shares in this fund (ESOP Trust).
- (2) These shares were acquired during the fiscal year pursuant to the Registrant's Employee Savings Plan and through reinvestment of dividends paid on share in this fund (Savings Plan (401k) Trust).
- (3) Restricted shares will vest as follows: 5,000 on 11/23/2008; and 5,000 on 11/23/2009.
- (4) Options will vest as follows: 11,666 on 11/23/2005; 11,666 on 11/23/2006; and 11,668 on 11/23/2007.

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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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