

CROMPTON CORP  
Form 5  
February 10, 2005

# FORM 5

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

OMB APPROVAL

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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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person \*  
Godfrey David P

(Last) (First) (Middle)

199 BENSON ROAD

(Street)

MIDDLEBURY, CT 06749

(City) (State) (Zip)

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

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
12/31/2004

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Vice President, Human Resource

6. Individual or Joint/Group Reporting

(check applicable line)

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

**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)	(A) or (D)	Price	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)
Common Stock	Â	Â	Â	Â	Â	Â	2,461.8979	I	ESOP Trust
Common Stock	Â	Â	Â	Â	Â	Â	5,259.1952	I	Savings Plan (401K) Trust
Common Stock	Â	Â	Â	Â	Â	Â	6,500	I	Restricted Stock Account

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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)	8. Amount or Number of Shares
NQ Stock Option (Right to Buy)	\$ 5.85	Â	Â	Â	Â Â	10/20/2004 11/19/2013	Common Stock	4,000
NQ Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â Â	10/22/2004 11/21/2012	Common Stock	4,000
NQ Stock Option (Right to Buy)	\$ 11.24	Â	Â	Â	Â Â	11/23/2005 12/22/2014	Common Stock	20,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Godfrey David P 199 BENSON ROAD MIDDLEBURY, CT 06749	Â	Â	Â Vice President, Human Resource	Â

## Signatures

David P. Godfrey  
02/10/2005  
Date

Signature of  
Reporting Person

## 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. 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.