

CROMPTON CORP  
Form 5  
February 11, 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 \*  
RUCK WALTER K  
  
(Last) (First) (Middle)

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
SVP Euro, Africa & M.D.

BENSON ROAD  
  
(Street)

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

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

6. Individual or Joint/Group Reporting  
  
(check applicable line)

MIDDLEBURY, CT 06749

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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D) Price			
Common Stock	Â	Â	Â	Â Â Â	46,877	D	Â
Common Stock	Â	Â	Â	Â Â Â	9,696.9688	I	ESOP TRUST
Common Stock	Â	Â	Â	Â Â Â	20,551	I	LTIP Trust

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

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SEC 2270 (9-02)

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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. Amount or Number of Shares	
					(A)	(D)	Date Exercisable	Expiration Date	Title	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	19,265
NQ Stock Option (Right to Buy)	\$ 6.38	Â	Â	Â	Â	Â	01/21/2004	02/20/2013	Common Stock	10,690
NQ Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â	Â	10/22/2003	11/21/2012	Common Stock	9,863
NQ Stock Option (Right to Buy)	\$ 7.92	Â	Â	Â	Â	Â	10/23/2002	11/22/2011	Common Stock	12,500
NQ Stock Option (Right to Buy)	\$ 8.1562	Â	Â	Â	Â	Â	10/31/2001	11/30/2010	Common Stock	30,000
NQ Stock Option (Right to Buy)	\$ 8.343	Â	Â	Â	Â	Â	10/19/2000	11/19/2009	Common Stock	81,244
NQ Stock	\$ 14.3438	Â	Â	Â	Â	Â	08/05/1999	11/14/2008	Common Stock	26,062

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Option (Right to Buy)											
NQ Stock Option (Right to Buy)	\$ 26.4063	Â	Â	Â	Â	Â	08/04/1999	11/07/2007	Common Stock	10,722	
ISO Stock Option (Right to Buy)	\$ 5.85	Â	Â	Â	Â	Â	10/20/2004	10/19/2013	Common Stock	735	
ISO Stock Option (Right to Buy)	\$ 6.38	Â	Â	Â	Â	Â	01/21/2004	01/21/2013	Common Stock	34,310	
ISO Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â	Â	10/22/2003	10/22/2012	Common Stock	10,137	
ISO Stock Option (Right to Buy)	\$ 7.92	Â	Â	Â	Â	Â	10/23/2003	10/23/2011	Common Stock	12,500	
ISO Stock Option (Right to Buy)	\$ 8.343	Â	Â	Â	Â	Â	10/19/2001	10/19/2009	Common Stock	18,756	
ISO Stock Option (Right to Buy)	\$ 14.3438	Â	Â	Â	Â	Â	08/04/1999	10/14/2008	Common Stock	3,938	
ISO Stock Option (Right to Buy)	\$ 14.5	Â	Â	Â	Â	Â	08/04/1999	08/21/2006	Common Stock	15,000	
ISO Stock Option	\$ 26.4063	Â	Â	Â	Â	Â	08/04/1999	10/07/2007	Common Stock	4,278	

(Right to Buy)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RUCK WALTER K BENSON ROAD MIDDLEBURY, CT 06749	^	^	^ SVP Euro, Africa & M.D.	^

## Signatures

Walter K. Ruck                      02/11/2005

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).

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