#### **CROMPTON CORP**

Form 5

February 11, 2005

## FORM 5

#### **OMB APPROVAL**

3235-0362

January 31,

**OMB** 

Number:

Expires:

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

Check this box if no longer subject to Section 16. Form 4 or Form

Reminder: Report on a separate line for each class of

securities beneficially owned directly or indirectly.

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

2005 Estimated average burden hours per response... 1.0

See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940

Form 4

5 obligations

may continue.

Transactions Reported

1. Name and Address of Reporting Person * FOX ROBERT A		Syml	2. Issuer Name and Ticker or Trading Symbol CROMPTON CORP [CK]				5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First) (	(Mor	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2004			(Check all applicable)  _X_ Director 10% Owner Officer (give title below) Other (specification)				
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Reporting  (check applicable line)			
RENO, N	NVÂ 89511					_X_ Form Filed by One Reporting Person Form Filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table I - Non-Do	erivative S	ecurit	ties Acc	quired, Disposed	of, or Benefi	cially Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, any (Month/Day/Yea	Code	4. Securi Acquired Disposed (Instr. 3,	d (A) of (E) 4 and (A) or	<b>)</b> )	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	52,514	D	Â	
Common Stock	Â	Â	Â	Â	Â	Â	30,600	I	DIR/RABBI TRUST	
Common Stock	Â	Â	Â	Â	Â	Â	1,899.2772	I	DRIP	

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(9-02)

**SEC 2270** 

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# $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (\emph{e.g.}, puts, calls, warrants, options, convertible securities) \\ \end{tabular}$

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. Num of Deriv Secur Acqu (A) o Dispo of (D (Instr 4, and	vative rities aired or osed o) :. 3,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
NQ Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â	Â	10/22/2003	11/21/2012	Common Stock	9,655
NQ Stock Option (Right to Buy)	\$ 7.92	Â	Â	Â	Â	Â	10/23/2002	11/22/2011	Common Stock	8,838
NQ Stock Option (Right to Buy)	\$ 8.1562	Â	Â	Â	Â	Â	10/31/2001	11/30/2010	Common Stock	7,500
NQ Stock Option (Right to Buy)	\$ 8.343	Â	Â	Â	Â	Â	10/19/2000	10/19/2009	Common Stock	7,500
NQ Stock Option (Right to Buy)	\$ 8.343	Â	Â	Â	Â	Â	10/19/2000	11/19/2009	Common Stock	25,000
NQ Stock Option (Right to Buy)	\$ 13	Â	Â	Â	Â	Â	08/04/1999	11/18/2005	Common Stock	1,538
NQ Stock	\$ 14.3438	Â	Â	Â	Â	Â	08/05/1999	11/14/2008	Common Stock	5,752

Option (Right to Buy)										
NQ Stock Option (Right to Buy)	\$ 14.5	Â	Â	Â	Â	Â	08/04/1999	09/21/2006	Common Stock	10,000
NQ Stock Option (Right to Buy)	\$ 16.0625	Â	Â	Â	Â	Â	08/04/1999	02/21/2004	Common Stock	1,245
NQ Stock Option (Right to Buy)	\$ 16.875	Â	Â	Â	Â	Â	08/04/1999	11/16/2006	Common Stock	2,963
NQ Stock Option (Right to Buy)	\$ 21.4375	Â	Â	Â	Â	Â	08/04/1999	02/24/2004	Common Stock	933
NQ Stock Option (Right to Buy)	\$ 26.4063	Â	Â	Â	Â	Â	08/04/1999	11/07/2007	Common Stock	1,893

# **Reporting Owners**

Reporting Owner Name / Address	Relationships							
1	Director	10% Owner	Officer	Other				
FOX ROBERT A	ÂΧ	Â	â	â				
RENO Â NVÂ 89511	ΑΛ	А	A	A				

# Signatures Signatures

Robert A. Fox 02/11/2005

\*\*Signature of Person

\*\*Signature of Person

## **Explanation of Responses:**

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Reporting Owners 3

<sup>\*\*</sup> 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.

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