

CHICAGO MERCANTILE EXCHANGE HOLDINGS INC  
 Form 4  
 September 02, 2005

**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 \*  
 DONOHUE CRAIG S

(Last) (First) (Middle)

20 S. WACKER DRIVE  
 (Street)

CHICAGO, IL 60606  
 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 CHICAGO MERCANTILE EXCHANGE HOLDINGS INC [CME]

3. Date of Earliest Transaction (Month/Day/Year)  
 09/02/2005

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)  
 Chief Executive Officer

6. Individual or Joint/Group Filing(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)	5. Amount or Price	6. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	7. Nature of Ownership (Instr. 4)
Common Stock Class A	09/02/2005		M	10,000	A	\$ 22	18,733	D
Common Stock Class A	09/02/2005		S	500	D	\$ 296.02	18,233	D
Common Stock Class A	09/02/2005		S	500	D	\$ 297.15	17,733	D
	09/02/2005		S	500	D		17,233	D

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Common Stock Class A					\$ 297.74		
Common Stock Class A	09/02/2005	S	200	D	\$ 298.1	17,033	D
Common Stock Class A	09/02/2005	S	100	D	\$ 298.15	16,933	D
Common Stock Class A	09/02/2005	S	200	D	\$ 298.2	16,733	D
Common Stock Class A	09/02/2005	S	500	D	\$ 298.6	16,233	D
Common Stock Class A	09/02/2005	S	500	D	\$ 299.15	15,733	D
Common Stock Class A	09/02/2005	S	500	D	\$ 299.52	15,233	D
Common Stock Class A	09/02/2005	S	1,000	D	\$ 300	14,233	D
Common Stock Class A	09/02/2005	S	500	D	\$ 300.4	13,733	D
Common Stock Class A	09/02/2005	S	1,000	D	\$ 301	12,733	D
Common Stock Class A	09/02/2005	S	500	D	\$ 301.5	12,233	D
Common Stock Class A	09/02/2005	S	1,000	D	\$ 302	11,233	D
Common Stock Class A	09/02/2005	S	1,500	D	\$ 302.3	9,733	D
Common Stock Class A	09/02/2005	S	500	D	\$ 302.8	9,233	D
Common Stock	09/02/2005	S	500	D	\$ 304.5	8,733	D

Class A

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
Stock Options (Right to buy)	\$ 22	09/02/2005		M	10,000	05/07/2005 <sup>(1)</sup> 05/07/2011	Common Stock Class A	10,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
DONOHUE CRAIG S 20 S. WACKER DRIVE CHICAGO, IL 60606	X		Chief Executive Officer	

## Signatures

Margaret C. Austin,  
Attorney-in-Fact

09/02/2005

\*\*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).

(1) As of May 7, 2005 this option grant was 100% vested.

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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