

CHICAGO MERCANTILE EXCHANGE HOLDINGS INC  
 Form 4  
 September 18, 2006

**FORM 4**

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

OMB APPROVAL

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**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 \*  
**KRAUSE JAMES R**

(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)  
 09/15/2006

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)  
 MD & CIO

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)	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 Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock Class A	09/15/2006		M	340 A \$ 63.01	3,020	D	
Common Stock Class A	09/15/2006		S	340 <sup>(1)</sup> D \$ 467.11	2,680	D	
Common Stock Class A	09/15/2006		M	2,120 A \$ 127	4,800	D	
	09/15/2006		S	D 2,680	D		

Common Stock Class A					2,120 <u>(1)</u>	\$ 467.11		
Common Stock Class A	09/15/2006		M	40	A	\$ 251.95	2,720	D
Common Stock Class A	09/15/2006		S	40 <u>(1)</u>	D	\$ 467.11	2,680	D

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

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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 Security (Instr. 3 and 4)
Non-Qualified Stock Option (right to buy)	\$ 63.01	09/15/2006		M	340	06/06/2006 <sup>(2)</sup> 06/06/2013	Common Stock Class A
Non-Qualified Stock Option (right to buy)	\$ 127	09/15/2006		M	2,120	06/14/2006 <sup>(3)</sup> 06/14/2014	Common Stock Class A
Non-Qualified Stock Option (right to buy)	\$ 251.95	09/15/2006		M	40	06/15/2006 <sup>(4)</sup> 06/15/2015	Common Stock Class A

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
				MD & CIO

