

COMMERCE BANCSHARES INC /MO/  
Form 4  
January 23, 2007

**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 \*  
**KEMPER DAVID W**

2. Issuer Name and Ticker or Trading Symbol  
**COMMERCE BANCSHARES INC /MO/ [CBSH]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
**1000 WALNUT ST., 7TH FLOOR**  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**01/19/2007**

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**Chairman of the Board, CEO**

**KANSAS CITY, MO 64106**

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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 Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	01/19/2007		M	108,481 A \$ 33.2215	1,215,550	D	
Common Stock	01/19/2007		M	3,252 A \$ 28.9	1,218,802	D	
Common Stock	01/19/2007		F	86,516 D \$ 48.78	1,132,286	D	
Common Stock					1,604	I	Bank cust for son
Common Stock					20,981	I	CB Kemper Trust

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Common Stock				10,491	I	EC Kemper Trust
Common Stock				10,492	I	EC Kemper Revoc Trst
Common Stock				6,855	I	Exec Comp Plan
Common Stock				20,985	I	JW Kemper Trust
Common Stock				2,207,821	I	James M Kemper Trust
Common Stock				43,985	I	MLK Trust-JMK issue
Common Stock				158,244	I	Tower Properties Co
Common Stock				20,971	I	WL Kemper Trust

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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount of Number of Shares
Stock Option	\$ 28.9	01/19/2007		M	3,252	02/05/1998 02/05/2008	Common Stock 3,252

(right to buy)

Stock

Option (right to buy)

\$ 33.2215

01/19/2007

M

108,481

03/07/2002

03/06/2012

Common Stock

108,48

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KEMPER DAVID W 1000 WALNUT ST., 7TH FLOOR KANSAS CITY, MO 64106	X		Chairman of the Board, CEO	

## Signatures

By: Jeffery D. Aberdeen For: David W. Kemper

01/23/2007

\_\_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).

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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