COMMERCE BANCSHARES INC /MO/

Form 4

January 23, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

OMB APPROVAL

3235-0287

Expires:

January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations may continue.

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person ** KEMPER DAVID W	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
	COMMERCE BANCSHARES INC /MO/ [CBSH]	(Check all applicable)			
(Last) (First) (Middle) 1000 WALNUT ST., 7TH FLOOR	3. Date of Earliest Transaction (Month/Day/Year) 01/19/2007	_X_ Director 10% Owner Selection Other (specify below)			
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
KANSAS CITY, MO 64106		Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tal	-Derivative	red, 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. 4. Securities Acquired (A) or TransactionDisposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
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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SEC 1474

(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. Transacti Code (Instr. 8)	5. Number of ctionDerivative Securities 8) 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

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(right to buy)

buy)

Stock Option \$ 33.2215 01/19/2007 (right to

M

108,481 03/07/2002 03/06/2012

Common

108,48

Stock

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

KEMPER DAVID W

1000 WALNUT ST., 7TH FLOOR X Chairman of the Board, CEO

KANSAS CITY, MO 64106

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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 3

Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).