KEMPER DAVID W

Form 4

August 26, 2009

FORM 4

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

OMB Number: 3235-0287

burden hours per

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005 Estimated average

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

response...

See Instruction 1(b).

(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	3. Date of Earliest Transaction (Month/Day/Year) 08/24/2009	_X_ Director 10% Owner 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) 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. Transactic Code (Instr. 8)	(A) or			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 Beneficial Ownership (Instr. 4)	
Common Stock	08/24/2009		S	56	D	\$ 38.9155	1,211,697	D		
Common Stock	08/25/2009		S	305	D	\$ 38.1514 (1)	1,211,392	D		
Common Stock	08/26/2009		S	168	D	\$ 38.347 (2)	1,211,224	D		
Common Stock	08/24/2009		S	22,247	D	\$ 38.9155	1,975,281	I	James M Kemper Trust	
	08/25/2009		S	121,148	D		1.854.133	I		

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Common Stock					\$ 38.1514 (1)			James M Kemper Trust
Common Stock	08/26/2009	S	66,651	D	\$ 38.347 (2)	1,787,482	I	James M Kemper Trust
Common Stock						4,220	I	Bank cust for son
Common Stock						11,565	I	CB Kemper Trust
Common Stock						11,566	I	CB Kemper Rev Trust
Common Stock						11,565	I	EC Kemper Trust
Common Stock						11,566	I	EC Kemper Revoc Trst
Common Stock						8,017	I	Exec Comp Plan
Common Stock						23,060	I	JW Kemper Trust
Common Stock						48,493	I	MLK Trust- JMK issue
Common Stock						174,463	I	Tower Properties Co
Common Stock						23,119	I	WL Kemper Trust

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title a Amount of Underlying Securities (Instr. 3 a	of ng s	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	or Title Nu of	umber		

Reporting Owners

Reporting Owner Name / Address	Relationships						
coporting of the remaining and acceptance of	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 Aberdeen For: David W. Kemper 08/26/2009

**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) Range of sales prices for 8/25/2009 is \$38.10 to \$38.74 per share.
- (2) Range of sales prices for 8/26/2009 is \$38.00 to \$38.75 per share.

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.

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