

KEMPER DAVID W
 Form 5
 February 09, 2010

FORM 5

**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).
 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

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)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
 12/31/2009

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

1000 WALNUT ST., 7TH FLOOR

(Street)

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

6. Individual or Joint/Group Reporting

(check applicable line)

KANSAS CITY, MO 64106

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)	(A) or (D)	Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	12/09/2009	^	G	257	D	\$ 0	1,269,028	D	^
Common Stock	12/10/2009	^	G	31	D	\$ 0	4,400	I	Bank cust for son
Common Stock	12/10/2009	^	G	52	D	\$ 0	4,348	I	Bank cust for son
Common Stock	^	^	^	^	^	^	12,143	I	CB Kemper Trust

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Common Stock	Â	Â	Â	Â	Â	Â	12,144	I	CB Kemper Rev Trust
Common Stock	Â	Â	Â	Â	Â	Â	12,143	I	EC Kemper Trust
Common Stock	Â	Â	Â	Â	Â	Â	12,144	I	EC Kemper Revoc Trst
Common Stock	Â	Â	Â	Â	Â	Â	8,522	I	Exec Comp Plan
Common Stock	Â	Â	Â	Â	Â	Â	24,213	I	JW Kemper Trust
Common Stock	Â	Â	Â	Â	Â	Â	1,161,843	I	James M Kemper Trust
Common Stock	Â	Â	Â	Â	Â	Â	50,917	I	MLK Trust- JMK issue
Common Stock	Â	Â	Â	Â	Â	Â	183,186	I	Tower Properties Co
Common Stock	Â	Â	Â	Â	Â	Â	24,274	I	WL Kemper Trust

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 Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. of D Se B O E Is Fi (I
					(A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KEMPER DAVID W 1000 WALNUT ST., 7TH FLOOR KANSAS CITY, MO 64106	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signatures

By: Jeffery D. Aberdeen For: David W.
Kemper 02/09/2010

__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 provided 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.