

KEMPER DAVID W
 Form 5
 February 09, 2010

FORM 5

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

OMB APPROVAL

OMB Number: 3235-0362
 Expires: January 31, 2005
 Estimated average burden hours per response... 1.0

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 | Â | G | 257 | D | \$ 0 | 1,269,028 | D | Â |
| Common Stock | 12/10/2009 | Â | G | 31 | D | \$ 0 | 4,400 | I | Bank cust for son |
| Common Stock | 12/10/2009 | Â | G | 52 | D | \$ 0 | 4,348 | I | Bank cust for son |
| Common Stock | Â | Â | Â | Â | Â | Â | 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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SEC 2270 (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) | 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.