

Mead Hyrum A  
 Form 4  
 September 17, 2008

**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 \*  
 Mead Hyrum A

2. Issuer Name and Ticker or Trading Symbol  
 BSD MEDICAL CORP [bsdm]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

202 COVENTRY LANE

09/15/2008

President

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)

NORTH SALT LAKE, UT 84054

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 Beneficial Ownership (Instr. 4) |         |   |  |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|---------|---|--|
|                                 |                                      |  | Code                           | V   | Amount  |  |   |         |   |  |
| Common Stock                    | 09/15/2008                           |  | M                              |   | 65,790  | A  | \$ 0.37   | 177,490 | D |  |
| Common Stock                    | 09/15/2008                           |  | M                              |   | 200,000   | A  | \$ 0.81   | 377,490 | D |  |
| Common Stock                    | 09/15/2008                           |  | M                              |   | 100,927   | A  | \$ 1.2  | 478,417 | D |  |
| Common Stock                    | 09/15/2008                           |  | F                              |   | 41,717  | D  | \$ 7.37   | 436,700 | D |  |

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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(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 Security (Instr. 3 and 4) |              |         |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|---------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title        | Amount  |
| Option to purchase common stock            | \$ 0.37  | 09/15/2008                           |  | M                              | 65,790  | 08/10/2000 <sup>(2)</sup>                                | 08/10/2009  | Common Stock | 65,790  |
| Option to purchase common stock            | \$ 0.81  | 09/15/2008                           |  | M                              | 200,000   | 01/18/2001 <sup>(1)</sup>                                | 01/18/2010  | Common Stock | 200,000 |
| Option to purchase common stock            | \$ 1.2   | 09/15/2008                           |  | M                              | 100,927   | 04/09/2005 <sup>(3)</sup>                                | 04/09/2014  | Common Stock | 100,927 |

## Reporting Owners

| Reporting Owner Name / Address                                 | Relationships |           |           |       |
|--|---------------|-----------|-----------|-------|
|  | Director      | 10% Owner | Officer   | Other |
| Mead Hyrum A<br>202 COVENTRY LANE<br>NORTH SALT LAKE, UT 84054 | X             |           | President |       |

## Signatures

Hyrum A. Mead                      09/17/2008

\*\*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) These options vest at a rate of 20% per year for a five year period beginning January 18, 2001.

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- (2) These options vest at a rate of 20% per year for a five year period beginning August 10, 2000
- (3) These options vest at a rate of one third per year for a three year period beginning April 9, 2005.

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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