BONE CARE INTERNATIONAL INC Form SC 13G/A February 08, 2005

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

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. ____8___)*

BONE CARE INTERNATIONAL, INC.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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Cusip No. 098072101

_ _ _ _ _ _ _ _ _ _ _

13G

1. NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

State of Wisconsin Investment Board 39-6006423

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP $\ \ \ast$

Not Applicable

(a)_____ (b)_____

3. SEC USE ONLY

4. CITZENSHIP OR PLACE OF ORGANIZATION

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Madison, Wisconsin

NUMBERS OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5. SOLE VOTING POWER 2,131,873
	6. SHARED VOTING POWER
	Not Applicable
	7. SOLE DISPOSITIVE POWER 2,131,873
	8. SHARED DISPOSITIVE POWER
	Not Applicable
9. AGGREGATE AMOU	NT BENEFICALLY OWNED BY EACH REPORTING PERSON 2,131,873
10. CHECK BOX IF SHARES *	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN Not Applicable
11. PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW 9 10.98
12. TYPE OF REPOR	TINC DEDCON *
	lic Pension Fund)
	* SEE INSTRUCTIONS BEFORE FILLING OUT!
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ITEM 1. ISSUER	
(a) BONE CARE INTERNATIONAL, INC.	
	Aspen Commons, Suite 300
Midd	lleton, WI 53562 USA
ITEM 2. PERSON FI	LING
	e of Wisconsin Investment Board
(b) P.O. Madis	NON, WI 53707
	nsin State Agency
	cover page
(e) See c	over page
STATE OF	EMENT IS FILED PURSUANT TO 13d-1(b) or 13d-2(b) AND THE WISCONSIN INVESTMENT BOARD IS A GOVERNMENT AGENCY WHICH PUBLIC PENSION FUNDS SUBJECT TO PROVISIONS COMPARABLE TO
ITEM 4. OWNERSHIP	
	low 9 on Page 2
	tow 11 on Page 2
	tate of Wisconsin Investment Board retains sole voting lispositive power for all shares.
ITEM 5. IF THIS S	TATEMENT IS BEING FILED TO REPORT THE FACT THAT AS OF THE
	OF THE REPORTING PERSON HAS CEASED TO BE THE BENEFICIAL

OWNER OF MORE THAN FIVE PERCENT OF THE CLASS OF SECURITIES, CHECK

THE FOLLOWING _____.

ITEM 6. NOT APPLICABLE

- ITEM 7. NOT APPLICABLE
- ITEM 8. NOT APPLICABLE
- ITEM 9. NOT APPLICABLE

ITEM 10. CERTIFICATION

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purpose or effect.

SIGNATURE

After reasonable inquiry to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 15, 2005 Date /s/ Jean Ledford -----Signature Jean Ledford, Chief Investment Officer - Public Equities

Name/Title