FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPRO              | OVAL      |  |  |  |  |
|------------------------|-----------|--|--|--|--|
| OMB Number:            | 3235-0287 |  |  |  |  |
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| hours per response:    | 0.5       |  |  |  |  |

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

|   |   | Reporting Person* TOPHER T                 |  | 2. Issuer Name and Ticker or Trading Symbol  DENTSPLY INTERNATIONAL INC /DE/  [ (XRAY) ] |   |   |      |   |   |   | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner  Officer (give title Other (specify |  |  |   |  |  |
|---|---|--|--|--|---|---|------|---|---|---|---|--|--|---|--|--|
| (Last) (First) (Middle) 1745 WYNDHAM DRIVE SOUTH              |   |  |  |  | 3. Date of Earliest Transaction (Month/Day/Year) 12/13/2005 |   |      |   |   |   |   | X Officer (give title below) below)  SENIOR VICE PRESIDENT   |  |   |  | Jecny  |
| (Street) YORK PA 17403 (City) (State) (Zip)                   |   |  |  | 4.   | 4. If Amendment, Date of Original Filed (Month/Day/Year)    |   |      |   |   |   |   | . Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person Form filed by More than One Reporting Person |  |   |  |  |
|   |   | Tab  | le I - Non-D   | erivativ   | re Se   | curitie   | s Ac | quired, D                                       | isposed o   | of, or Be   | neficia   | lly Owned  | t c  |   |  |  |
| 1. Title of Security (Instr. 3)  2. Transac Date (Month/Date) |   |  |  |  |   | ction 2A. Deemed Execution Date,  |      |   | 3. 4. Securities Acquire Disposed Of (D) (Institution Code (Instr. 5) |   |   | Benefici<br>Owned I<br>Reporte   | es<br>ally<br>Following<br>d   | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) |  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)  |
|   |   |  |  |  |   |   |      | Code V  | / Amount (A) or (D)   |   | Price   | Transac<br>(Instr. 3   |  |   |  |  |
|   |   | Т  | able II - De<br>(e.ç                                   |  |   |   |      | uired, Dis<br>s, options,                       |   |   |   | y Owned  |  |   |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)           | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Dar<br>if any<br>(Month/Day/Yo | Code   | saction<br>(Instr.  | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3, 4<br>and 5) |      | 6. Date Exerc<br>Expiration Da<br>(Month/Day/\) | ate   | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative Securit<br>(Instr. 3 and 4) |   | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)  | 9. Number<br>derivative<br>Securities<br>Beneficiall<br>Owned<br>Following<br>Reported<br>Transactio<br>(Instr. 4) | ly C  | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|   |   |  |  | Code   | · v   | (A)   | (D)  | Date<br>Exercisable                             | Expiration<br>Date  | Title   | Amount<br>or<br>Number<br>of<br>Shares  |  |  |   |  |  |
| Stock<br>Option   | \$55.48   | 12/13/2005                                 |  | A  |   | 9,174   |      | 12/13/2006                                      | 12/13/2015  | Common<br>Stock   | 9,174   | \$0  | 9,174  |   | D  |  |
| Stock<br>Option   | \$55.48   | 12/13/2005                                 |  | A  |   | 9,173   |      | 12/13/2007                                      | 12/13/2015  | Common<br>Stock   | 9,173   | \$0  | 9,173  | $\top$  | D  |  |
| Stock<br>Option   | \$55.48   | 12/13/2005                                 |  | A  |   | 9,174   |      | 12/13/2008                                      | 12/13/2015  | Common<br>Stock   | 9,174   | \$0  | 9,174  |   | D  |  |

**Explanation of Responses:** 

Remarks:

By: Brian M. Addison, Esquire, POA for

12/19/2005

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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 is insufficient, see Instruction 6 for procedure.

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 Number.