Lenehan James T Form 4 May 04, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Check this box

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(b).

may continue.

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Lenehan James T Issuer Symbol MEDTRONIC INC [MDT] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner Other (specify Officer (give title 1586 HAMPTON RD 05/02/2011 below) (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting **RYDAL, PA 19046** Person

(City)	(State) (Z	Zip) Table	I - Non-D	erivative Securitie	es Acq	uired, Disposed o	of, or Beneficial	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securities on Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
C			Code V		Price	(Instr. 3 and 4)		
Common Stock (1)	05/02/2011		A	$\frac{3,305}{(2)}$ A S	\$ 0	23,164.377	D	

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)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable	e and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Date		Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year))	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative			Securities	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3 and 4)		Own
	Security				Acquired					Follo
					(A) or					Repo
					Disposed					Trans
					of (D)					(Instr
					(Instr. 3,					
					4, and 5)					
				Code V	(A) (D)	Date Expi	iration '	Title Amount		
					(11)	Exercisable Date		or		
						Zaterensuere Butt		Number		
								of		
								Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Lenehan James T 1586 HAMPTON RD **RYDAL, PA 19046**

Signatures

Rhonda L. Ingalsbe, Attorney-in-fact

05/03/2011

**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) This balance increased by 155.942 due to exempt transactions such as dividend reinvestment.
- Deferred units credited under the Medtronic, Inc. 2008 Stock Award and Incentive Plan to be paid in Medtronic common stock upon the director's resignation or retirement.

Note: File three copies of this Form, one of which must be manually signed. If space 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.

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