IONICS INC Form 4 February 23, 2005

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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2005

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5. Relationship of Reporting Person(s) to

X Form filed by One Reporting Person Form filed by More than One Reporting

Issuer

if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

1. Name and Address of Reporting Person *

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).

SHIELDS JOHN J Symbol IONICS INC [ION] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Officer (give title Other (specify C/O BOSTON CAPITAL 02/22/2005 below) **VENTURES. 45 SCHOOL STREET**

2. Issuer Name and Ticker or Trading

(Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line)

BOSTON, MA 02108

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of TransactionAcquired (A) or Security (Month/Day/Year) Execution Date, if Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

Common 02/22/2005 U 5.250 D (1) Stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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 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. Transactic Code (Instr. 8)	5. Number on f 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 Deriva Securit (Instr.
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to Buy)	\$ 27.5	02/22/2005		U	500	<u>(2)</u>	(2)	Common Stock	500	\$ 4
Stock Option (Right to Buy)	\$ 33.8125	02/22/2005		U	2,000	(2)	(2)	Common Stock	2,000	\$ 4
Stock Option (Right to Buy)	\$ 26.5	02/22/2005		U	2,000	(2)	(2)	Common Stock	2,000	\$ 4
Stock Option (Right to Buy)	\$ 24.24	02/22/2005		U	2,000	(2)	(2)	Common Stock	2,000	\$ 4
Stock Option (Right to Buy)	\$ 28.13	02/22/2005		U	2,000	(2)	(2)	Common Stock	2,000	\$ 4
Stock Option (Right to Buy)	\$ 18.9	02/22/2005		U	4,000	(2)	(2)	Common Stock	4,000	\$ 4
Stock Option (Right to Buy)	\$ 25.1	02/22/2005		U	2,000	(2)	(2)	Common Stock	2,000	\$ 4

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Reporting Owners 2

SHIELDS JOHN J
C/O BOSTON CAPITAL VENTURES
45 SCHOOL STREET
BOSTON, MA 02108

Signatures

/s/ Stephen Korn, Atorney-in-fact

02/22/2005

**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) The disposition of the securities is exempt pursuant to Section 16b-3(e).

Pursuant to the Merger Agreement between the issuer, General Electric Company and Triton Acquisition Corp., the stock options will be converted at the effective time of the merger into the right to receive a cash payment equal to the excess of \$44.00 over the exercise price of such stock option multiplied by the number of shares subject to such stock option. The disposition of the securities is exempt pursuant to Section 16b-3(e).

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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