

IONICS INC  
Form 4  
February 23, 2005

**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 \*  
ROUTH MICHAEL W

(Last) (First) (Middle)  
6060 SPINE ROAD  
(Street)

BOULDER, CO 80301

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
IONICS INC [ION]

3. Date of Earliest Transaction (Month/Day/Year)  
02/22/2005

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
VP, IBG

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

**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 Ownership (Instr. 4)
Common Stock	02/22/2005		U	(A) or (D) D (1)	883 \$ 44 0	I	By 401(k)

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

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SEC 1474 (9-02)

**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. 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 Securities (Instr. 3 and 4)	8. Pr Deriv Secur (Instr		
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
						(2)	(2)			
Stock Option (Right to Buy)	\$ 25.8125	02/22/2005		U	15,000	(2)	(2)	Common Stock	15,000	\$
Stock Option (Right to Buy)	\$ 21.06	02/22/2005		U	5,000	(2)	(2)	Common Stock	5,000	\$
Stock Option (Right to Buy)	\$ 21.09	02/22/2005		U	20,000	(2)	(2)	Common Stock	20,000	\$
Stock Option (Right to Buy)	\$ 23.07	02/22/2005		U	25,000	(2)	(2)	Common Stock	25,000	\$

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ROUTH MICHAEL W 6060 SPINE ROAD BOULDER, CO 80301			VP, IBG	

## Signatures

/s/ Stephen Korn,  
Attorney-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).

(2) 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

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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.