WALIK BERNARD

Form 4

December 22, 2005

FORM 4

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

OMB APPROVAL OMB 3235-0287

Number:

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and A WALIK BE	Address of Reporti	ng Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			IONATRON, INC. [IOTN]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(,			
G10 T03T F		7 00 7 4 7 7	(Month/Day/Year)	Director 10% Owner			
	TRON, INC., 3	590 EAST	12/20/2005	_X_ Officer (give title Other (specify below)			
COLUMBIA	A STREET			Executive VP - Operations			
	(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			
TUCSON, A	AZ 85714			Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owne			
1.Title of	2. Transaction I			*			
C	/N / /1 /D /S7) E (D 4 'C T 4' (A) D' 1 C	C '.' E D' , I I' ,			

(City)	(State) (Z	Zip) Table	I - Non-Do	erivative S	Securi	ties Acq	quired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)		d of	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	12/20/2005		M	5,000	A	\$ 3.35	5,000	D	
Common Stock	12/20/2005		M	3,000	A	\$ 3.35	8,000	D	
Common Stock	12/20/2005		S	8,000	D	\$ 10.3	0	D	
Common Stock	12/21/2005		M	5,333	A	\$ 3.35	5,333	D	
Common Stock	12/21/2005		S	5,333	D	\$ 10.5	0	D	

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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)

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 of Derivativ 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 8 Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Options (right to buy)	\$ 3.35	12/20/2005		M	5,000	03/26/2004	03/26/2009	Common Stock	5,000
Options (right to buy)	\$ 3.35	12/20/2005		M	3,000	03/26/2004	03/26/2009	Common Stock	3,000
Options (right to buy)	\$ 3.35	12/21/2005		M	5,333	03/26/2005	03/26/2009	Common Stock	5,333

Reporting Owners

Reporting Owner Name / Address		Relationships				
	Director	10% Owner	Officer	Other		

WALIK BERNARD C/O IONATRON, INC. 3590 EAST COLUMBIA STREET TUCSON, AZ 85714

Executive VP - Operations

Deletionships

Signatures

/s/ Bernard Walik 12/22/2005

**Signature of Date
Reporting Person

Reporting Owners 2

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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).

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.