

MCCAHOH STEPHEN WILLIAM
 Form 5
 February 14, 2006

FORM 5

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).
 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

1. Name and Address of Reporting Person *
 MCCAHOH STEPHEN WILLIAM

(Last) (First) (Middle)

IONATRON, INC., 3590 EAST COLUMBIA STREET

(Street)

TUSCON, AZ 85714

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 IONATRON, INC. [IOTN]

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
 12/31/2005

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)
 Executive VP Engineering

6. Individual or Joint/Group Reporting

(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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D) Amount Price			
Common Stock	11/11/2005		G	32,800 D \$ 0	6,080,668	D	
Common Stock	11/11/2005		G	7,200 D \$ 0	6,073,468	D	
Common Stock	11/11/2005		G	7,200 A \$ 0	20,700	I	Owned by minor children

