

Edgar Filing: IONATRON, INC. - Form SC 13G/A

IONATRON, INC.  
Form SC 13G/A  
February 14, 2007

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. 1)\*

IONATRON, INC.

-----  
(Name of Issuer)

Common Stock, \$.001 par value  
-----

(Title of Class of Securities)

462070103  
-----

(CUSIP Number)

December 31, 2006  
-----

(Date of Event which Requires Filing  
of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[ ] Rule 13d-1(b)  
[X] Rule 13d-1(c)  
[ ] Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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-----	
1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  S.A.C. Capital Advisors, LLC
-----	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*  <div style="text-align: right;">(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/></div>
-----	
3	SEC USE ONLY
-----	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware
-----	
	5 SOLE VOTING POWER  0
-----	
	6 SHARED VOTING POWER  6,275,622 (see Item 4)
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	-----
	7 SOLE DISPOSITIVE POWER  0
-----	
	8 SHARED DISPOSITIVE POWER  6,275,622 (see Item 4)
-----	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  6,275,622 (see Item 4)
-----	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  <input type="checkbox"/>
-----	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  8.0% (see Item 4)
-----	
12	TYPE OF REPORTING PERSON*  00
-----	

\*SEE INSTRUCTION BEFORE FILLING OUT

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-----	
1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  S.A.C. Capital Management, LLC
-----	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*  <div style="text-align: right;">(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/></div>
-----	
3	SEC USE ONLY
-----	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware
-----	
	5 SOLE VOTING POWER  0
-----	
	6 SHARED VOTING POWER  6,275,622 (see Item 4)
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	-----
	7 SOLE DISPOSITIVE POWER  0
-----	
	8 SHARED DISPOSITIVE POWER  6,275,622 (see Item 4)
-----	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  6,275,622 (see Item 4)
-----	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  <input type="checkbox"/>
-----	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  8.0% (see Item 4)
-----	
12	TYPE OF REPORTING PERSON*  00
-----	
*SEE INSTRUCTION BEFORE FILLING OUT	

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1	NAME OF REPORTING PERSON	
	I.R.S. IDENTIFICATION NO. OF ABOVE PERSON	
	S.A.C. Capital Associates, LLC	
-----		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*	
		(a) <input type="checkbox"/>
		(b) <input checked="" type="checkbox"/>
-----		
3	SEC USE ONLY	
-----		
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Anguilla, British West Indies	
-----		
	5	SOLE VOTING POWER
		0
-----		
	6	SHARED VOTING POWER
NUMBER OF SHARES		6,274,122 (see Item 4)
BENEFICIALLY OWNED		
BY EACH REPORTING		
PERSON WITH	7	SOLE DISPOSITIVE POWER
		0
-----		
	8	SHARED DISPOSITIVE POWER
		6,274,122 (see Item 4)
-----		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	6,274,122 (see Item 4)	
-----		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
	<input type="checkbox"/>	
-----		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	8.0% (see Item 4)	
-----		
12	TYPE OF REPORTING PERSON*	
	00	
-----		
	*SEE INSTRUCTION BEFORE FILLING OUT	

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-----  
1 NAME OF REPORTING PERSON  
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
  
Steven A. Cohen

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-----	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* <div style="text-align: right;">(a) [ ] (b) [X]</div>
-----	
3	SEC USE ONLY
-----	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  United States
-----	
	5 SOLE VOTING POWER  0
-----	
	6 SHARED VOTING POWER  6,275,622 (see Item 4)
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	-----
	7 SOLE DISPOSITIVE POWER  0
-----	
	8 SHARED DISPOSITIVE POWER  6,275,622 (see Item 4)
-----	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  6,275,622 (see Item 4)
-----	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  [ ]
-----	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  8.0% (see Item 4)
-----	
12	TYPE OF REPORTING PERSON*  IN
-----	

\*SEE INSTRUCTION BEFORE FILLING OUT

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Item 1(a) Name of Issuer:  
-----

Ionatron, Inc.

Item 1(b) Address of Issuer's Principal Executive Offices:  
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3716 East Columbia Street, Suite 120  
Tucson, Arizona 85714

Items 2(a) Name of Person Filing:

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This statement is filed by: (i) S.A.C. Capital Advisors, LLC, ("SAC Capital Advisors") with respect to shares of common stock, par value \$0.001 per share ("Shares"), of the Issuer beneficially owned by S.A.C. Capital Associates, LLC ("SAC Capital Associates") and S.A.C. MultiQuant Fund, LLC ("SAC MultiQuant"); (ii) S.A.C. Capital Management, LLC, ("SAC Capital Management") with respect to Shares beneficially owned by SAC Capital Associates and SAC MultiQuant; (iii) SAC Capital Associates with respect to Shares beneficially owned by it; and (iv) Steven A. Cohen with respect to Shares beneficially owned by SAC Capital Advisors, SAC Capital Management, SAC Capital Associates and SAC MultiQuant.

SAC Capital Advisors, SAC Capital Management, SAC Capital Associates and Steven A. Cohen have entered into a Joint Filing Agreement, a copy of which is filed with this Schedule 13G as Exhibit 99.1, pursuant to which they have agreed to file this Schedule 13G jointly in accordance with the provisions of Rule 13d-1(k) of the Securities Exchange Act of 1934, as amended.

Item 2(b) Address of Principal Business Office:

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The address of the principal business office of (i) SAC Capital Advisors and Mr. Cohen is 72 Cummings Point Road, Stamford, Connecticut 06902, (ii) SAC Capital Management is 540 Madison Avenue, New York, New York 10022 and (iii) SAC Capital Associates is P.O. Box 58, Victoria House, The Valley, Anguilla, British West Indies.

Item 2(c) Citizenship:

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SAC Capital Advisors and SAC Capital Management are Delaware limited liability companies. SAC Capital Associates is an Anguillan limited liability company. Mr. Cohen is a United States citizen.

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Item 2(d) Title of Class of Securities:

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Common Stock, \$0.001 par value per share

Item 2(e) CUSIP Number:

-----

462070103

Item 3 Not Applicable

Item 4 Ownership:

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The percentages used herein are calculated based upon the

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Shares issued and outstanding as of February 5, 2007 as reported on the Issuer's prospectus on Form 424B3 filed with the Securities and Exchange Commission on February 6, 2007.

As of the close of business on December 31, 2006:

1. S.A.C. Capital Advisors, LLC

- (a) Amount beneficially owned: 6,275,622
- (b) Percent of class: 8.0%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 6,275,622
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 6,275,622

2. S.A.C. Capital Management, LLC

- (a) Amount beneficially owned: 6,275,622
- (b) Percent of class: 8.0%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 6,275,622
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 6,275,622

3. S.A.C. Capital Associates, LLC

- (a) Amount beneficially owned: 6,274,122
- (b) Percent of class: 8.0%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 6,274,122
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 6,274,122

4. Steven A. Cohen

- (a) Amount beneficially owned: 6,275,622
- (b) Percent of class: 8.0%
- (c) (i) Sole power to vote or direct the vote: -0-

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- (ii) Shared power to vote or direct the vote: 6,275,622
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 6,275,622

SAC Capital Advisors, SAC Capital Management and Mr. Cohen own directly no Shares. Pursuant to investment agreements, each of SAC Capital Advisors and SAC Capital Management share all investment and voting power with respect to the securities held by SAC Capital Associates and SAC MultiQuant. Mr. Cohen controls each of SAC Capital Advisors and SAC Capital Management. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934, as amended, each of SAC Capital Advisors, SAC Capital Management and Mr. Cohen may be deemed to own beneficially 6,275,622 Shares (constituting approximately 8.0% of the Shares outstanding). Each of SAC Capital Advisors, SAC Capital Management and Mr. Cohen disclaim beneficial ownership of any of the securities covered by this statement.

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Item 5                      Ownership of Five Percent or Less of a Class:  
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If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following. [ ]

Item 6                      Ownership of More than Five Percent on Behalf of Another  
-----  
Person:  
-----

Not Applicable

Item 7                      Identification and Classification of the  
-----  
Subsidiary Which Acquired the Security Being  
-----  
Reported on By the Parent Holding Company:  
-----

Not Applicable

Item 8                      Identification and Classification of Members  
-----  
of the Group:  
-----

Not Applicable

Item 9                      Notice of Dissolution of Group:  
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Not Applicable

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Item 10                     Certification:  
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By signing below the signatory certifies that, to the best of his knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE  
-----

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2007

S.A.C. CAPITAL ADVISORS, LLC



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By: /s/ Peter Nussbaum

-----  
Name: Peter Nussbaum  
Title: Authorized Person

S.A.C. CAPITAL MANAGEMENT, LLC

By: /s/ Peter Nussbaum

-----  
Name: Peter Nussbaum  
Title: Authorized Person

S.A.C. CAPITAL ASSOCIATES, LLC

By: /s/ Peter Nussbaum

-----  
Name: Peter Nussbaum  
Title: Authorized Person

STEVEN A. COHEN

By: /s/ Peter Nussbaum

-----  
Name: Peter Nussbaum  
Title: Authorized Person