

BARRATT CRAIG H  
 Form 4  
 February 12, 2010

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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 \*  
 BARRATT CRAIG H

2. Issuer Name and Ticker or Trading Symbol  
 ATHEROS COMMUNICATIONS INC [ATHR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/11/2010

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 President and CEO

C/O ATHEROS COMMUNICATIONS, INC., 5480 GREAT AMERICA PARKWAY

(Street)

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

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

SANTA CLARA,, CA 95054

(City) (State) (Zip)

**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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	02/11/2010		M		7,489	A	\$ 9.34
Common Stock	02/11/2010		S <sup>(1)</sup>		37,489	D	\$ 34.05
Common Stock	02/12/2010		M		22,511	A	\$ 9.34
Common Stock	02/12/2010		S <sup>(1)</sup>		22,511	D	\$ 34.1137
							<sup>(2)</sup>

Common Stock	2,250	I	See Footnote (3)
Common Stock	2,250	I	See Footnote (3)

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.** 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. 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 Underlying Security (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Employee Stock Options (right to buy)	\$ 34.02	02/11/2010		A	143,000	(4)	02/10/2017	Common Stock
Employee Stock Options (right to buy)	\$ 9.34	02/11/2010		M	7,489	01/14/2004(5)	01/14/2014	Common Stock
Employee Stock Options (right to buy)	\$ 9.34	02/12/2010		M	22,511	01/14/2004(5)	01/14/2014	Common Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BARRATT CRAIG H C/O ATHEROS COMMUNICATIONS, INC. 5480 GREAT AMERICA PARKWAY	X		President and CEO	

SANTA CLARA,, CA 95054

## Signatures

Bruce P. Johnson,  
Attorney-in-fact

02/12/2010

\_\_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 sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.  
Represents the weighted average sales price for a number of sale transactions effected at prices ranging from \$34.05 to \$34.24. The
  - (2) Reporting Person has provided to the issuer, and undertakes to provide upon request by the SEC staff, or any security holder of the issuer, information regarding the number of shares sold at each separate price within the range.  
These shares are held in trust for the benefit of the reporting person's son. The reporting person's brother-in-law is the trustee of the trust.
  - (3) The reporting person disclaims beneficial ownership of these securities, and the filing of this report is not an admission that the reporting person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.
  - (4) The options become exercisable in 48 equal monthly installments commencing on March 11, 2010.  
All of the options became exercisable on 1/14/2004. The shares underlying the options are subject to the issuer's right of repurchase that
  - (5) lapsed as to 30,000 of the shares on 1/14/2005, and lapsed as to the remaining shares in 48 equal monthly installments beginning on 2/14/2005.

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.