#### **BARRATT CRAIG H**

Form 4

December 29, 2004

#### **OMB APPROVAL** UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB** Washington, D.C. 20549 Number: Check this box Expires: if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... Form 5 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. 30(h) of the Investment Company Act of 1940 See Instruction 1(b).

(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]

3. Date of Earliest Transaction

(Month/Day/Year) 12/29/2004

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

10% Owner

Other (specify

3235-0287

January 31,

2005

0.5

C/O ATHEROS

(Last)

COMMUNICATIONS, INC., 529

(First)

(Middle)

ALMANOR AVENUE

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

below) President and CEO

6. Individual or Joint/Group Filing(Check Applicable Line)

\_X\_ Director

X\_ Officer (give title

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

#### SUNNYVALE,, CA 94085

(City)	(State) (	Zip) Table	e I - Non-D	erivative S	Securi	ties Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Month/Day/Year) Execution Date, if T any C		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			Securities For Beneficially (I) Owned In Following (I)	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	12/29/2004		M	31,000	A	\$ 1.72	72,750	D	
Common Stock	12/29/2004		S(1)	17,000	D	\$ 10	55,750	D	
Common Stock	12/29/2004		S <u>(1)</u>	8,000	D	\$ 9.99	47,750	D	
Common Stock	12/29/2004		S(1)	1,000	D	\$ 9.97	46,750	D	
	12/29/2004		S(1)	5,000	D		41,750	D	

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Common Stock	\$ 9.95			
Common Stock		2,250	I	See footnote (2)
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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. 5. Number of TransactionDerivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and A Underlying S (Instr. 3 and	Securition
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Option (right to buy)	\$ 1.72	12/29/2004		M	31,000	04/10/2002(3)	04/10/2012	Common Stock	31,0

# **Reporting Owners**

Reporting Owner Name / Address	Relationships					
<b></b>	Director	10% Owner	Officer	Other		
BARRATT CRAIG H C/O ATHEROS COMMUNICATIONS, INC. 529 ALMANOR AVENUE SUNNYVALE,, CA 94085	X		President and CEO			

### **Signatures**

Bruce P. Johnson,	12/29/2004		
Attorney-in-fact	12/29/2004		
**Signature of Reporting Person	Date		

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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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
  - 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.
- (2) 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.
- All of the options became exercisable on 4/10/2002. The shares underlying the options are subject to the issuer's right of repurchase that (3) lapsed as to 90,749 of the shares on 4/1/2003, and lapses as to the remaining shares in 36 equal monthly installments beginning on 5/1/2003.

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.