

HENNESSY JOHN L  
Form 4  
December 19, 2006

**FORM 4** 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).

**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 \*  
HENNESSY JOHN L

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)  
12/19/2006

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

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 Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	12/19/2006		S <sup>(1)</sup>	100 D \$ 22.17	177,799	I	See Footnote (2)
Common Stock	12/19/2006		S <sup>(1)</sup>	200 D \$ 22.16	177,599	I	See Footnote (2)
Common Stock	12/19/2006		S <sup>(1)</sup>	600 D \$ 22.15	176,999	I	See Footnote (2)

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Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	600	D	\$ 22.14	176,399	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	100	D	\$ 22.13	176,299	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	300	D	\$ 22.12	175,999	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	400	D	\$ 22.11	175,599	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	300	D	\$ 22.1	175,299	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	300	D	\$ 22.09	174,999	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	300	D	\$ 22.08	174,699	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	300	D	\$ 22.07	174,399	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	1,000	D	\$ 22.05	173,399	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	300	D	\$ 22.04	173,099	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	200	D	\$ 22.03	172,899	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	1,500	D	\$ 22.02	171,399	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	1,400	D	\$ 22.01	169,999	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	3,200	D	\$ 22	166,799	I	See Footnote <u>(2)</u>
Common Stock	12/19/2006	<u>S<sup>(1)</sup></u>	100	D	\$ 21.99	166,699	I	See Footnote

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									(2)
Common Stock	12/19/2006	<u>S</u> (1)	800	D	\$ 21.98	165,899	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	300	D	\$ 21.97	165,599	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	900	D	\$ 21.96	164,699	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	600	D	\$ 21.95	164,099	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	300	D	\$ 21.94	163,799	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	900	D	\$ 21.93	162,899	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	700	D	\$ 21.92	162,199	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	700	D	\$ 21.91	161,499	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	1,200	D	\$ 21.9	160,299	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	100	D	\$ 21.89	160,199	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	300	D	\$ 21.87	159,899	I		See Footnote (2)
Common Stock	12/19/2006	<u>S</u> (1)	400	D	\$ 21.85	159,499	I		See Footnote (2)

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.**

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(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 Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follow Trans (Instr
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
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### Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director    10% Owner    Officer    Other

HENNESSY JOHN L  
 C/O ATHEROS COMMUNICATIONS, INC.      X  
 5480 GREAT AMERICA PARKWAY  
 SANTA CLARA,, CA 95054

### Signatures

Bruce P. Johnson,      12/19/2006  
 Attorney-in-fact

        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.
- (2) By the 1993 Hennessy Revocable Trust

#### Remarks:

Remarks: Form 4 Filing 1 of 2 (continuation report): Related transactions effected by the Reporting Person on December 19, 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.