

ATHEROS COMMUNICATIONS INC  
 Form 4  
 June 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**

(Last) (First) (Middle)

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

(Street)

SANTA CLARA,, CA 95054

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)  
 06/15/2006

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)

6. Individual or Joint/Group Filing(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 Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  |                                | (A) or (D) Code V Amount Price                                    |   |  |                                   |
| Common Stock                    | 06/15/2006                           |  | S <sup>(1)</sup>               | D 47 \$ 20.84   | 4,526   | I  | By Trust <sup>(2)</sup>           |
| Common Stock                    | 06/15/2006                           |  | S <sup>(1)</sup>               | D 63 \$ 20.82   | 4,463   | I  | By Trust <sup>(2)</sup>           |
| Common Stock                    | 06/15/2006                           |  | S <sup>(1)</sup>               | D 100 \$ 20.8   | 4,363   | I  | By Trust <sup>(2)</sup>           |
| Common Stock                    | 06/15/2006                           |  | S <sup>(1)</sup>               | D 100 \$ 20.79  | 4,263   | I  | By Trust <sup>(2)</sup>           |
|                                 | 06/15/2006                           |  | S <sup>(1)</sup>               | D 175   | 4,088   | I  |                                   |

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|              |            |                  |     |   |          |       |   |  |                 |
|--------------|------------|------------------|-----|---|----------|-------|---|--|-----------------|
| Common Stock |            |                  |     |   | \$ 20.78 |       |   |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 200 | D | \$ 20.76 | 3,888 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 100 | D | \$ 20.75 | 3,788 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 2   | D | \$ 20.63 | 3,786 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 200 | D | \$ 20.59 | 3,586 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 100 | D | \$ 20.53 | 3,486 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 1   | D | \$ 20.51 | 3,485 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 20  | D | \$ 20.49 | 3,465 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 100 | D | \$ 20.44 | 3,365 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 3   | D | \$ 20.35 | 3,362 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 87  | D | \$ 20.15 | 3,275 | I |  | By Trust<br>(2) |
| Common Stock | 06/15/2006 | S <sup>(1)</sup> | 150 | D | \$ 19.94 | 3,125 | I |  | By Trust<br>(2) |

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

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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. Number of Derivative Securities Beneficially Owned (Instr. 6) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|  |  |                                      |  | Code                           | V (A) (D)   | Title  |   |  |  |

|             |            |        |
|-------------|------------|--------|
| Date        | Expiration | Amount |
| Exercisable | Date       | or     |
|             |            | Number |
|             |            | of     |
|             |            | Shares |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| HENNESSY JOHN L<br>C/O ATHEROS COMMUNICATIONS, INC.<br>5480 GREAT AMERICA PARKWAY<br>SANTA CLARA,, CA 95054 | X             |           |         |       |

## Signatures

Bruce P. Johnson, 06/19/2006  
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.  
These shares are held in trust for the benefit of the reporting person's son. The reporting person's sister-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.

### Remarks:

Remarks: Form 4 Filing 5 of 5 (continuation report): Related transactions effected by the Reporting Person on June 15, 2006

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.  
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