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U.S. SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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(f) of the Investment Company Act of 1940

Check box if no longer subject of Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person*

Quinn	Jeffry	N.
(Last)	(First)	(Middle)
CityPlace One, Suite 300		
St. Louis	(Street) Missouri	63141
(City)	(State)	(Zip)

2. Issuer Name and Ticker or Trading Symbol

Arch Coal, Inc. (ACI)

3. IRS Identification Number of Reporting Person, if an Entity (Voluntary)

4. Statement for Month/Year

February, 1999

5. If Amendment, Date of Original (Month/Year)

6. Relationship of Reporting Person to Issuer
(Check all applicable)

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

Senior Vice President - Law and Human Resources, Secretary and General Counsel

7. Individual or Joint/Group Filing (Check applicable line)

Form filed by one Reporting Person
 Form filed by more than one Reporting Person

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Table I -- Non-Derivative Securities Acquired, Disposed of,
or Beneficially Owned

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1. Title of Security (Instr. 3)	2. Transaction Date (mm/dd/yy)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned at End of Month (Instr. 3 and 4)	6. Owner- ship 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	2/4/99	I V	4,463 A 12.00		I	By 401(k)
Common Stock	2/18/99(1)	I V	.4365 A 9.875		I	By 401(k)
Common Stock	2/19/99	I V	2,211.6358 A 11.25	6,677.6569	I	By 401(k)
				3,070	D	

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(1) The purchase of shares were made by the Arch Coal Thrift Plan Administrator pursuant to the Reporting Person's intraplan transfer and the purchase of the shares occurred over two days.

* If the Form is filed by more than one Reporting Person, see Instruction 4(b)(v).

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

(Print or Type Responses)

(Over)

(Form 4-07/98)

