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

FORM 3

INITIAL STATEMENT OF 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(f) of the Investment Company Act of 1940

1 Name and Address of	Panarting Parant		
1. Name and Address of I			
Lorson	John 	W.	
(Last)	(First)	(Middle)	
CityPlace One, Suite 300			
	(Street)		
St. Louis	Missouri	63141	
(City)	(State)	(Zip)	
2. Date of Event Requir	ing Statement (Month/Day/Ye	ear)	
January 26, 2000			
3. IRS Identification No	umber of Reporting Person,	if an Entity (Voluntary)	
4. Issuer Name and Ticke	er or Trading Symbol		
Arch Coal, Inc. (ACI)			
5. Relationship of Repo (Check all applicable			
[] Director [X] Officer (give to		10% Owner Other (specify below)	
Controller - Chief Ad	ccounting Officer		
6. If Amendment, Date of	f Original (Month/Day/Year))	
[X] Form Filed by On	ne Reporting Person ore than One Reporting Pers	son	
Table I No	on-Derivative Securities Be	eneficially Owned	
1. Title of Security (Instr. 4)	2. Amount of Seneficial (Instr. 4)	Securities Direct (Direct (Dir	ect
No Securities Owned			

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* If the Form is filed by more than one Reporting Person, see Instruction $5\left(b\right)\left(v\right)$.

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

(Over)

(Form 3-07/98)

Table II -- Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	Date Exercisable and Expiration Date		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conver-	5. Owner- ship Form of Derivative Security:	
	Date	:/Day/Year) Expira- tion Date	Title	Amount or Number of Shares	sion or Exercise Price of Derivat Securit	e (D) or f Indirect ive (I)	Nature of Indirect Beneficial Ownership (Instr. 5)
Employee Stock Option (Right to Buy)	(1)	07/23/07	Common Stock	2,000	\$27.875	D	
Employee Stock Option (Right to Buy)	(2)	07/22/08	Common Stock	3,000	\$22.875	D	
Employee Stock Option (Right to Buy)	(3)	02/25/09	Common Stock	6,000	\$10.687		

Explanation of Responses:

- (1) The option vests in three equal annual installments beginning on July 23, 1998.
- (2) The option vests in three equal annual installments beginning on July 22, 1999.
- (3) The option vests in four annual installments beginning February 25, 2000 in the following amounts: 1/6, 1/3, 1/3, 1/6.

/s/Rosemary L. Klein February 3, 2000 **Signature of Reporting Person Date Rosemary L. Klein, Assistant Secretary, for John W. Lorson

** Intentional misstatements or omissions of facts constitute Federal Criminal

See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

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

POWER OF ATTORNEY

The undersigned appoints the following individuals, with full power to each of them to act alone, as its true and lawful attorneys-in-fact and agents to execute and file on behalf of the undersigned all Forms 3, 4 and 5, and any amendments thereto, that the undersigned may be required to file with the Securities and Exchange Commission, and any stock exchange or similar authority, as a result of the undersigned's ownership of or transactions in securities of Arch Coal, Inc. The authority of the following individuals under this Power of Attorney shall continue until the undersigned is no longer required to file Forms 3, 4 and 5 with regard to the undersigned's ownership of or transactions in securities of Arch Coal, Inc., unless earlier revoked in writing. The undersigned acknowledges that the following individuals are not assuming any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

The following officers of Arch Coal, Inc.:

Secretary of the Corporation

Assistant Secretary of the Corporation

General Counsel of the Corporation

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 3rd day of February, 2000.

/s/ John W. Lorson
-----(Signature)