

ARCH CAPITAL GROUP LTD.
Form 4
March 15, 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 *
PETRILLO LOUIS T

2. Issuer Name and Ticker or Trading Symbol
ARCH CAPITAL GROUP LTD.
[ACGL]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
Pres & Gen Counsel of sub.

(Last) (First) (Middle)
ARCH CAPITAL SERVICES
INC., 360 HAMILTON AVENUE,
SUITE 600

3. Date of Earliest Transaction
(Month/Day/Year)
03/13/2006

(Street)
WHITE PLAINS, NY 10601

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

(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 Indirect Beneficial Ownership (Instr. 4)		
			Code	V	Amount	(D)	Price		
Common Shares, \$0.01 par value per share	03/13/2006		M		5,000	A	\$ 23.125	18,276	D
Common Shares, \$0.01 par value per share	03/13/2006		M		4,400	A	\$ 17.625	22,676	D

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Common Shares, \$0.01 par value per share	03/13/2006	M	2,653	A	\$ 23	25,329	D
Common Shares, \$0.01 par value per share	03/13/2006	M	4,347	A	\$ 23	29,676	D
Common Shares, \$0.01 par value per share	03/13/2006	M	2,676	A	\$ 22.438	32,352	D
Common Shares, \$0.01 par value per share	03/13/2006	M	5,144	A	\$ 22.438	37,496	D
Common Shares, \$0.01 par value per share	03/13/2006	M	1,780	A	\$ 22.438	39,276	D
Common Shares, \$0.01 par value per share	03/13/2006	S	26,000	D	\$ 55.6754	13,276	D

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. Derivative Securities (Instr. 3 and 4)
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					Date Exercisable	Expiration Date	Title	Amount or Number of Shares
			Code	V (A)	(D)			
Stock Option (right to buy)	\$ 23.125	03/13/2006	M		5,000	<u>(1)</u>	05/05/2007 Common Shares, \$.01 par value per share	5,000
Stock Option (right to buy)	\$ 17.625	03/13/2006	M		4,400	<u>(1)</u>	05/05/2007 Common Shares, \$.01 par value per share	4,400
Stock Option (right to buy)	\$ 23	03/13/2006	M		2,653	<u>(1)</u>	05/05/2007 Common Shares, \$.01 par value per share	2,653
Stock Option (right to buy)	\$ 23	03/13/2006	M		4,347	<u>(1)</u>	11/18/2007 Common Shares, \$.01 par value per share	4,347
Stock Option (right to buy)	\$ 22.438	03/13/2006	M		2,676	<u>(1)</u>	11/17/2008 Common Shares, \$.01 par value per share	2,676
Stock Option (right to buy)	\$ 22.438	03/13/2006	M		5,144	<u>(1)</u>	05/05/2007 Common Shares, \$.01 par value per share	5,144
Stock Option (right to buy)	\$ 22.438	03/13/2006	M		1,780	<u>(1)</u>	11/17/2008 Common Shares, \$.01 par value per share	1,780

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

PETRILLO LOUIS T
ARCH CAPITAL SERVICES INC.
360 HAMILTON AVENUE, SUITE 600
WHITE PLAINS, NY 10601

Pres & Gen
Counsel of
sub.

Signatures

/s/ Louis T.
Petrillo

03/15/2006

**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) Pursuant to the applicable agreements, such options vested and became exercisable on or before May 5, 2000.

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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