

ARCH CAPITAL GROUP LTD.

Form 4

October 31, 2016

**FORM 4****UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

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

## OMB APPROVAL

OMB  
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(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Lyons Mark Donald

(Last) (First) (Middle)

C/O ARCH CAPITAL GROUP  
LTD., 100 PITTS BAY ROAD,  
GROUND FLOOR

(Street)

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

3. Date of Earliest Transaction  
(Month/Day/Year)  
10/28/2016

4. If Amendment, Date Original  
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_ 10% Owner  
\_X\_ Officer (give title below) \_\_\_\_ Other (specify below)  
EVP,CFO & Treasurer

PEMBROKE, D0 HM 08

(City) (State) (Zip)

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
\_X\_ 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 Indirect Beneficial Ownership (Instr. 4)
Common Shares, \$.0033 par value per share	10/28/2016		M	5,050 A \$ 23.1	195,380 <sup>(1)</sup>	D	
Common Shares, \$.0033 par value per share	10/28/2016		M	5,000 A \$ 25.01	200,380 <sup>(1)</sup>	D	

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Common Shares, \$.0033 par value per share	10/28/2016	M	9,500	A	\$ 33.913	209,880 <sup>(1)</sup>	D
Common Shares, \$.0033 par value per share	10/28/2016	M	9,000	A	\$ 38.58	218,880	D
Common Shares, \$.0033 par value per share	10/28/2016	M	5,000	A	\$ 40.1	223,880	D
Common Shares, \$.0033 par value per share	10/28/2016	F <sup>(6)</sup>	21,148	D	<u>(6)</u>	202,732 <sup>(1)</sup>	D
Common Shares, \$.0033 par value per share	10/28/2016	S <sup>(7)</sup>	8,000	D	\$ 77.2203 <u>(5)</u>	194,732 <sup>(1)</sup>	D

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

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SEC 1474  
(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)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
	\$ 23.1	10/28/2016		M		5,050		(4)	05/09/2018		5,050

Share Appreciation Right								Common Shares, \$.0033 par value per share	
Share Appreciation Right	\$ 25.01	10/28/2016	M	5,000	<u>(3)</u>	05/05/2020	Common Shares, \$.0033 par value per share	5,000	
Share Appreciation Right	\$ 33.913	10/28/2016	M	9,500	<u>(2)</u>	05/06/2021	Common Shares, \$.0033 par value per share	9,500	
Share Appreciation Right	\$ 38.58	10/28/2016	M	9,000	<u>(8)</u>	05/09/2022	Common Shares, \$.0033 par value per share	9,000	
Share Appreciation Right	\$ 40.1	10/28/2016	M	5,000	<u>(9)</u>	09/06/2022	Common Shares, \$.0033 par value per share	5,000	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Lyons Mark Donald C/O ARCH CAPITAL GROUP LTD. 100 PITTS BAY ROAD, GROUND FLOOR PEMBROKE, D0 HM 08			EVP,CFO & Treasurer	

## Signatures

/s/ Mark D.  
Lyons

10/31/2016

\*\*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) 86,722 of such amount will settle in Issuer's common shares upon the termination of the Reporting Person's employment, as specifically provided in the award agreements.

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- (2) The share appreciation right became exercisable in three equal annual installments commencing May 6, 2012, subject to the applicable award agreement.
- (3) The share appreciation right became exercisable in three equal annual installments commencing May 5, 2011, subject to the applicable award agreement.
- (4) The share appreciation right became exercisable in three equal annual installments commencing May 9, 2009, subject to the applicable award agreement.
- (5) Represents a weighted average sales price; the sales prices range from \$77.201 to \$77.23. Upon request, the full sale information regarding the number of shares sold at each price increment will be provided to the Commission or to the security holder of the issuer.  
In connection with the partial exercise of the five share appreciation rights awards as described in Table II, 6,797 common shares were
- (6) withheld for taxes at a tax price of \$77.47 per share. In addition, 14,351 common shares were disposed in satisfaction of the exercise prices (see Table II). The reporting person received a net issuance of 12,402 common shares.
- (7) A portion of the proceeds will be used to satisfy state and federal tax obligations.
- (8) The share appreciation right became exercisable in three equal annual installments commencing May 9, 2013, subject to the applicable award agreement.
- (9) The share appreciation right became exercisable in three equal annual installments commencing September 6, 2013, subject to the applicable award agreement.

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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