APPEL PETER A Form 4

December 30, 2005

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

OMB APPROVAL

January 31, Expires: 2005

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obligations

Check this box

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * APPEL PETER A

2. Issuer Name and Ticker or Trading

Issuer

5. Relationship of Reporting Person(s) to

below)

Symbol

ARCH CAPITAL GROUP LTD. [ACGL]

(Check all applicable)

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

X_ Director Officer (give title

10% Owner Other (specify

C/O ARCH CAPITAL GROUP LTD., 45 REID STREET, 4TH **FLOOR**

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

(Month/Day/Year)

12/30/2005

X Form filed by One Reporting Person Form filed by More than One Reporting

HAMILTON, D0 HM12

(City) (State) (Zip)

(Street)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

4. Securities Acquired 5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect (I) (Instr. 4)

Beneficial Ownership (Instr. 4)

(A)

Amount

51.621 A

Reported Transaction(s)

Following

(Instr. 3 and 4)

Common Shares,

value per share

12/30/2005 \$.01 par

Code V

 \mathbf{C}

<u>(1)</u>

Price

(D)

201,843

D

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

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number.

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. Transacti Code (Instr. 8)	5. Number of orDerivative 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
Series A Convertible Preference Shares	Ш	12/30/2005		С	51,621	<u>(1)</u>	<u>(1)</u>	Common Shares, \$.01 par value per share	51,621

Reporting Owners

Reporting Owner Name / Address	Relationships					
•	Director	10% Owner	Officer	Other		
APPEL PETER A C/O ARCH CAPITAL GROUP LTD. 45 REID STREET, 4TH FLOOR HAMILTON, D0 HM12	X					

Signatures

/s/ Louis T. Petrillo, Attorney in Fact 12/30/2005

**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).
- Subject to certain restrictions on conversion, the Series A Convertible Preference are convertible on a one-for-one basis into Common (1) Shares at the option of the holder and are mandatorily convertible into Common Shares upon the occurrence of certain events. The conversion ratio is subject to antidilution and other adjustments.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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