

ARCH CAPITAL GROUP LTD.

Form 4

February 27, 2006

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
Number: 3235-0287
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(Print or Type Responses)

1. Name and Address of Reporting Person *
GRANDISSON MARC

(Last) (First) (Middle)

WESSEX HOUSE, 45 REID
STREET

(Street)

HAMILTON, D0 HM 12

(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
02/23/2006

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)
Reinsur. Group Chairman & CEO

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 Ownership (Instr. 4)
Common Shares, \$.01 par value per share	02/23/2006		A	3,000 (1)	A 93,358	D	
Common Shares, \$.01 par value per share					220	I	By spouse

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.

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)	8. Amount or Number of Shares
Stock Option (right to buy)	\$ 56.27	02/23/2006		A	20,000	(2) 02/23/2016	Common Shares, \$.01 par value per share	20,000

Reporting Owners

Reporting Owner Name / Address	Relationships
GRANDISSON MARC WESSEX HOUSE, 45 REID STREET HAMILTON, D0 HM 12	Director 10% Owner Officer Other Reinsur. Group Chairman & CEO

Signatures

/s/ Marc
Grandisson 02/27/2006

**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) Represents restricted shares that vest in three equal annual installments on February 23rd in each of 2007, 2008 and 2009, subject to the applicable award agreement.

(2) The stock option will become exercisable in three equal installments, with the first installment becoming exercisable on February 23, 2007 and the next two installments on February 23, 2008 and February 23, 2009, 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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