

ARCH CAPITAL GROUP LTD.
Form 4
May 10, 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 *
INGREY PAUL B

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

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

Director 10% Owner
 Officer (give title below) Other (specify below)

WESSEX HOUSE, 4TH FLOOR, 45
REID STREET

05/08/2006

Chairman of the Board

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)

HAMILTON, D0 HM 12

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 Ownership (Instr. 4) |
|--|--------------------------------------|--|--------------------------------|---|---|--|--|
| | | | Code | V | Amount or Price | | |
| Common Shares, \$.01 par value per share | 05/08/2006 | | S | | 1,787 (1) | D | \$ 59.642 343,503 D |
| Common Shares, \$.01 par value per share | 05/08/2006 | | S | | 5,000 (1) | D | \$ 59.6795 338,503 D |
| | 05/08/2006 | | S | | | D | 336,003 D |

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| | | | | | | | | |
|--|------------|--|---|---------------------|---|------------|---------|---|
| Common Shares, \$.01 par value per share | | | | 2,500 <u>(1)</u> | | \$ 59.6894 | | |
| Common Shares, \$.01 par value per share | 05/08/2006 | | S | 2,500 <u>(1)</u> | D | \$ 59.7001 | 333,503 | D |
| Common Shares, \$.01 par value per share | 05/09/2006 | | S | 2,500 <u>(1)</u> | D | \$ 59.0523 | 331,003 | D |
| Common Shares, \$.01 par value per share | 05/09/2006 | | S | 2,500 <u>(1)</u> | D | \$ 59.0653 | 328,503 | D |
| Common Shares, \$.01 par value per share | 05/09/2006 | | S | 5,000 <u>(1)</u> | D | \$ 59.0996 | 323,503 | D |
| Common Shares, \$.01 par value per share | 05/09/2006 | | S | 1,787 <u>(1)</u> | D | \$ 59.13 | 321,716 | 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.

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) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 6) |
|--|--|--------------------------------------|--|--------------------------------|--|--|---|--|---|
|--|--|--------------------------------------|--|--------------------------------|--|--|---|--|---|

(Instr. 3,
4, and 5)

| Code | V | (A) | (D) | Date | Expiration | Title | Amount or Number of Shares |
|------|---|-----|-----|-------------|------------|-------|--|
| | | | | Exercisable | Date | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | Title |
|--|---------------|-----------|---------|-------|-----------------------|
| | Director | 10% Owner | Officer | Other | |
| INGREY PAUL B WESSEX HOUSE, 4TH FLOOR 45 REID STREET HAMILTON, D0 HM 12 | X | | | | Chairman of the Board |

Signatures

/s/ Louis T. Petrillo Attorney
in fact 05/10/2006

__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) The sale of shares was effected pursuant to a Rule 10b5-1 Plan adopted by the Reporting Person on December 12, 2005.

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.