ARCH CAPITAL GROUP LTD. Form SC 13G/A February 14, 2006

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 3)\*

Arch Capital Group Ltd.

(Name of Issuer)

Common

(Title of Class of Securities)

G0450A105

(CUSIP Number)

Check the following box if a fee is being paid with this statement []. (A fee is not required only if the filing person: (1) has a previous statement on file reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7.)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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Schedule 13G Amendment No. 3 (continued)

CUSIP No. G0450A105

1 NAME OF DEPONITIO DEPON

NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Baron Capital Group, Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

					(a) (b)	[ ]
3 5	SEC USE ONLY					
	CITIZENSHIP OF New York	R PLACE OF ORGANIZ	ATION			
SHA	ARES	SOLE VOTING POW	ER			
OWN!	ACH	SHARED VOTING F	OWER			
PEI	RTING RSON 7 ITH	SOLE DISPOSITIV	E POWER			
	8	SHARED DISPOSIT	IVE POWER			
		JNT BENEFICIALLY C	WNED BY EACH REE	PORTING I	PERSO	 N
	4,193,242  CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*					
	1 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.8%					
	TYPE OF REPORTING PERSON*  HC, CO					
		*SEE INSTRUCTIONS	BEFORE FILLING	OUT		
			Page 3 of	11 Pages	5	
Sc	chedule 13G Am	mendment No. 3(con	tinued)			
CUSIP No	o. G0450A105					
	NAME OF REPORT	TING PERSON DENTIFICATION N	O. OF ABOVE PERS	SON		
	BAMCO, Inc.					
2 (	CHECK THE APPE	ROPRIATE BOX IF A			(a) (b)	
	SEC USE ONLY					

4 CITIZENSHIP OR PLACE OF ORGANIZATION

New York					
NUMBER OF SHARES	5 SOLE VOTING POWER 0				
BENEFICIALLY OWNED BY EACH	6 SHARED VOTING POWER 3,686,000				
REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER 0				
	8 SHARED DISPOSITIVE POWER 3,868,500				
9 AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
3,868,50	0				
10 CHECK BO	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*				
11 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
5.3%					
12 TYPE OF	12 TYPE OF REPORTING PERSON*				
IA, CO					
	*SEE INSTRUCTIONS BEFORE FILLING OUT				
	Page 4 of 11 Pages				
Schedule 13G Amendment No. 3(continued)					
CUSIP No. G0450	A105				
	REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
Baron Ca	pital Management, Inc.				
2 CHECK TH	E APPROPRIATE BOX IF A MEMBER OF A GROUP*  (a) [ ]  (b) [ ]				
3 SEC USE	ONLY				
	CITIZENSHIP OR PLACE OF ORGANIZATION  New York				
NUMBER OF SHARES BENEFICIALLY	5 SOLE VOTING POWER 35,000				

OWNED BY EACH		6 SHARED VOTING POWER 265,842				
REPORTING PERSON WITH		7 SOLE DISPOSITIVE POWER 35,000	_			
		8 SHARED DISPOSITIVE POWER 289,742				
9	AGGREGATE	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	_			
	324,742					
10	CHECK BOX	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	_			
11	PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	_			
	0.4%					
12	TYPE OF RE	ORTING PERSON*	_			
	IA, CO					
		*SEE INSTRUCTIONS BEFORE FILLING OUT	_			
		Page 5 of 11 Pages				
	Schedule 13	Amendment No. 3(continued)				
	No. G0450A1					
1	NAME OF RE	ORTING PERSON	_			
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	Ronald Bar	n				
2	CHECK THE	PPROPRIATE BOX IF A MEMBER OF A GROUP*	_			
		(a) [ ] (b) [ ]				
3	SEC USE ON	Y	-			
4	 CITIZENSHI	OR PLACE OF ORGANIZATION	-			
	USA					
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING		5 SOLE VOTING POWER 35,000	_			
		6 SHARED VOTING POWER 3,951,842	_			
P	ERSON WITH	7 SOLE DISPOSITIVE POWER 35,000				
		8 SHARED DISPOSITIVE POWER				

4,158,242

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,193,242 \_\_\_\_\_\_ 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\* 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.8% .\_\_\_\_\_ 12 TYPE OF REPORTING PERSON\* HC, IN \*SEE INSTRUCTIONS BEFORE FILLING OUT Page 6 of 11 Pages Item 1. (a) Name of Issuer: Arch Capital Group Ltd. Address of Issuer's Principal Executive Offices: Wessex House 45 Reid Street Hamilton, HM 12 Bermuda Item 2. (a) Name of Persons Filing: Baron Capital Group, Inc. ("BCG") BAMCO, Inc. ("BAMCO") Baron Capital Management, Inc. ("BCM") Ronald Baron Address of Principal Business Office: (b) 767 Fifth Avenue New York, NY 10153 (c) Citizenship: BCG, BAMCO and BCM are New York corporations. Ronald Baron is a citizen of the United States. Title of Class Securities: Common (e) CUSIP Number: G0450A105 Item 3. PERSONS FILING: BCG and Ronald Baron are: (g) Parent holding companies, in accordance with Section 240.13d-1(b)(ii)(G) BAMCO and BCM are: (e) Investment Advisers registered under Section 203 of the Investment Advisers Act of 1940

All persons filing are:

(h) Group, in accordance with Rule 13d-1(b)(1)(ii)(F)

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#### Item 4. OWNERSHIP^

(a) Amount Beneficially Owned as of December 31, 2005:

BCG: 4,193,242 shares BAMCO: 3,868,500 shares BCM: 324,742 shares Ronald Baron: 4,193,242 shares

(b) Percent of Class#:

BCG: 5.8%
BAMCO: 5.3%
BCM: 0.4%
Ronald Baron 5.8%

^BCG and Ronald Baron disclaim beneficial ownership of shares held by their controlled entities (or the investment advisory clients thereof) to the extent such shares are held by persons other than BCG and Ronald Baron. BAMCO and BCM disclaim beneficial ownership of shares held by their investment advisory clients to the extent such shares are held by persons other than BAMCO, BCM and their affiliates.

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(c) Number of shares as to which such person has:

(i) sole power to vote or direct the vote:

BCG: 35,000 BAMCO: 0 BCM: 35,000 Ronald Baron: 35,000

(ii) shared power to vote or direct the vote:

BCG: 3,951,842 BAMCO: 3,686,000 BCM: 265,842 Ronald Baron: 3,951,842

(iii) sole power to dispose or to direct

the disposition of:\*

BCG: 35,000 BAMCO: 0 BCM: 35,000 Ronald Baron: 35,000

(iv) shared power to dispose or direct

the disposition of:\*

BCG: 4,158,242 BAMCO: 3,868,500 BCM: 289,742

Ronald Baron: 4,158,242

Item 5. OWNERSHIP OF 5% OR LESS OF A CLASS Not applicable.

Item 6. OWNERSHIP OF MORE THAN 5% ON BEHALF OF ANOTHER PERSON
The advisory clients of BAMCO and BCM have the right to receive
or the power to direct the receipt of dividends from, or the proceeds
from the sale of, the Issuer's common stock in their accounts. To the
best of the Filing Persons' knowledge, no such person has such interest
relating to more than 5% of the outstanding class of securities.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

 ${\tt BAMCO}$  and  ${\tt BCM}$  are subsidiaries of BCG. Ronald Baron owns a controlling interest in BCG.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

See Item 3.

\* By virtue of investment advisory agreements with their respective clients, BAMCO and BCM have been given the discretion to dispose or the disposition of the securities in the advisory accounts. All such discretionary agreements, are however, revocable.

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Item 9. NOTICE OF DISSOLUTION OF GROUP

Not applicable.

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 14, 2006

Baron Capital Group, Inc., BAMCO, Inc., and Baron Capital Management, Inc. By:

/s/ Ronald Baron

Ronald Baron, Chairman and CEO

	Ronald Baron, Individually
	By:
	/s/ Ronald Baron
	Ronald Baron
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Joir	nt Filing Agreement
February 14, 2006, which to be filed jointly on k	reby agree that the Schedule 13G Amendment No. 3 dated relates to the common stock of Arch Capital Group Ltd. behalf of each of them for the reasons stated ents thereto shall be filed jointly by the undersigned.
Dated: February 14, 200	06
	Baron Capital Group, Inc., BAMCO, Inc., and Baron Capital Management, Inc. By:
	/s/ Ronald Baron
	Ronald Baron, Chairman and CEO
	Ronald Baron, Individually By:

/s/ Ronald Baron

Ronald Baron