

GLAXOSMITHKLINE PLC  
Form 6-K  
July 25, 2008

**FORM 6-K**

**SECURITIES AND EXCHANGE COMMISSION**  
**Washington D.C. 20549**

**Report of Foreign Issuer**

**Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934**

For period ending July 25, 2008

**GlaxoSmithKline plc**  
(Name of registrant)

**980 Great West Road, Brentford, Middlesex, TW8 9GS**  
(Address of principal executive offices)

Indicate by check mark whether the registrant files or  
will file annual reports under cover Form 20-F or Form 40-F

Form 20-F  Form 40-F

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Indicate by check mark whether the registrant by furnishing the  
information contained in this Form is also thereby furnishing the  
information to the Commission pursuant to Rule 12g3-2(b) under the  
Securities Exchange Act of 1934.

Yes  No

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**Notification of Transactions of Directors, Persons Discharging Managerial Responsibility or Connected Persons**

The Administrators of the GlaxoSmithKline Annual Investment Plan notified the Company and Ms Thomas on 25 July 2008 of an increase in her interests in Ordinary shares, purchased at a price of £11.64 per share on 17 July 2008, following the re-investment of the dividend paid to shareholders on 10 July 2008:-

Ms C Thomas            47

This notification relates to transactions notified in accordance with Disclosure and Transparency Rule 3.1.4R(1)(a).

S M Bicknell

Company Secretary

25 July 2008

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorised.

**GlaxoSmithKline plc**  
(Registrant)

Date: July 25, 2008

By: VICTORIA WHYTE  
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Victoria Whyte

Authorised Signatory for and on  
behalf of GlaxoSmithKline plc