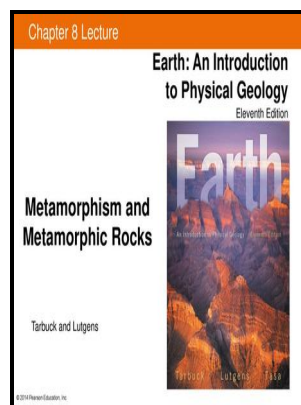


# On the alleged hydrothermal origin of certain granites and metamorphic rocks

Stephen Austin, printer - David Forbes



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## On the origin of mafic magmatic enclaves (MMEs) in syn

Identification of weathering and hydrothermal alteration in acidic rocks : petrography and mineralogy of clay minerals. The coparticipation of these three potentially highly productive uranium sources in the ore mineralization process explains the origin of the unique uranium ore reserves of the Streltsovka ore field deposits. K, Ba, Pb and Sr , depleted in HREEs and HFSEs i.

## Mineral System of the Streltsovka Caldera Uranium Deposits (East Transbaikalia)

The photographs that he took with his travelling camera, representing the ruins of the once flourishing town, are most interesting. The weathering crust ion-adsorption type REE iREE deposits, widely distributed in South China, are almost the exclusive source of global HREEs and supply nearly the total global HREEs demand Hoshino et al. Mineral resources in sustainable world, Proceedings of 13 th Biennial SGA Meeting.

## Glad You Asked: Igneous, Sedimentary, & Metamorphic Rocks

Ann Rev Earth Planet Sci 14:493—571 This work was supported by the National Natural Science Foundation of China NSFC: 91014003, 41130314 and two geological survey projects of China Geological Survey Departments and Offices 1212011121092, 1212011220928. The remainder of the rock may contain fine rock fragments, clay, quartz, and seashells. These characteristics indicate that Ganhegou is a low-sulfidation epithermal gold deposit.

## David Forbes

Ganzhou City, in southern Jiangxi province, is located in the Nanling W—Sn—REE—Nb—Ta—U ore belt, which is also the most important iREE ore province in China.

## Identification of weathering and hydrothermal alteration in acidic rocks : petrography and mineralogy of clay minerals

As Foreign Secretary of the Iron and Steel Institute, he has prepared for six years 1871-76 careful and elaborate details of the progress of the iron

and steel industries in foreign countries, in which his knowledge of languages materially assisted him. He also mentioned that Mendoza was not yet rebuilt, and so much the better, as there was another still more severe earthquake that year, which would certainly have again wrecked it. Wilson, in 1843 :- 'Yesterday, I had a note from Goodsir, in which he delivers a message from you regarding a little brother David of mine whom I formerly spoke of making into a chemist.

#### **Characteristics and genesis of ion adsorption type REE deposits in the weathering crusts of metamorphic rocks in Ningdu, Ganzhou, China**

In this paper, we present that the muscovite alkali-feldspar granites, as the parental rocks to the tungsten mineralization in the Nanling Range South China, may result from extremely fractionated granitic magma from the deep-seated magma chamber. Igneous and metamorphic phenomena, and the resulting changes in rock-formations were among David Forbes's especial and favourite studies, and he lost no opportunity during his extensive travels in Europe and Africa, but especially in Mexico and South America, of observing the effects of modern volcanic action, and their relation to similar phenomena in past time. Forbes devoted himself almost entirely to his professional and literary pursuits, and took but little physical exercise, and it is to be feared that his too sedentary habits, together with the sad domestic loss he had recently suffered, depressed his spirits, and broke up a constitution already to some extent enfeebled by recurrent fever caught in South America, and so accelerated his end.

#### **Characteristics and genesis of ion adsorption type REE deposits in the weathering crusts of metamorphic rocks in Ningdu, Ganzhou, China**

The low permeability of the weathered products causes a short migration distance for water medium carrying REE ions, and the ore bodies in the weathering crusts of metamorphic rocks are primarily located in the middle and upper parts of the completely weathered horizon. After leaving Norway he resided for a short time in Birmingham, when, in 1857, the business affairs of the firm called him away to South America, and he was there enabled to pursue one of the greatest pleasures of his life, i. Shale: Shale is lithified clay and consists of layers that typically break into thin sheets.

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