

## Scientists should promote co-operation, not boycott

SIR — Since 1931, the International Council for Science (ICSU) has upheld the principle of the universality of science, based on the right of scientists to work without discrimination on the grounds of citizenship, religion, creed, political stance, ethnic origin, race, colour, age or gender.

The entire ICSU membership, representing the scientific community in 112 countries and all disciplines, has consistently expressed its unequivocal support for this principle. This stance has stood the test of time throughout the Cold War, apartheid in South Africa and the new challenges posed by international terrorism. It is a strong expression of solidarity across the international science community: a critical reference point for individual scholars confronted with threats to their freedom.

The decision by the congress of the UK University and College Union to recommend that its members bar academic exchanges with Israeli researchers is a flagrant breach of this principle. It has rightly drawn substantial adverse comment from scientists, newspaper columnists and human-rights activists in the United Kingdom and internationally.

It is easy to understand the strong feelings generated by conflicts and people's desire to demonstrate their opposition to the actions of governments. But to do so through the medium of individual scholars is to sacrifice a profoundly important principle of freedom and solidarity. In situations of strife and conflict, it is surely the duty of scientists to promote international understanding and co-operation — not to penalize each other for the shortcomings of their governments.

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## US government enforces boycott of whole countries

SIR — The US Educational Commission for Foreign Medical Graduates (ECFMG) processes the applications of foreign students for the US Medical Licensing Examination, which evaluates candidates' basic and clinical knowledge in medicine. The examination has two steps, both of which must be passed for the ECFMG to recognize the individual as a medical doctor in the United States.

As a medical student, I applied for step 1 in January 2007, entering my country (Iran) in the contact address section. A message in red letters appeared on the registration page: "It

has come to our attention that ECFMG may be subject to specific United States federal regulations that prohibit entities from doing business with or providing a service to any individuals who have an address of residence in specific restricted countries. The country of Iran is included on this list of restricted countries. In light of this, ECFMG is not able to allow you to request this service."

The political status of Iran or any other nation is not relevant to education. The result of the restriction is that all medical students and graduates who live in Iran are prevented from taking the US licensing examination. This surely is academic discrimination against a whole country.

**Sina Zarrintan**

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## Cincinnati's rhino breeders bring home the bacon

SIR — Recent welcome successes in Sumatran Rhino breeding at the zoo in Cincinnati, Ohio (*Nature* 447, 125; 2007), prompt the idea that Cincinnati's existing colloquial name, 'Porkopolis' (reflecting the city's historic importance in the pig trade), could be replaced by 'Rhinopolis'.

**Martin F. Heyworth**

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## Cooling may be possible, but we need safety data

SIR — The global cooling geo-engineering ideas discussed in your interesting News Feature 'Is this what it takes to save the world?' (*Nature* 447, 132–136; 2007) merit, in my view, further study to determine their operational viability and associated meteorological and other ramifications.

I proposed such a global cooling scheme some years ago (*Nature* 347, 339–340; 1990), involving advertent albedo enhancement of shallow maritime stratiform water clouds, which cover about one-sixth of the global surface, by spraying seawater particles of diameter about 1 micrometre from close to the ocean surface, underneath such clouds. A significant fraction of these would be transported by turbulence into the clouds, where they would act as efficient cloud condensation nuclei, creating additional droplets and thereby increasing cloud reflectivity.

Since then, this suggestion has been investigated further (see K. T. Bower *et al.*

*Atmos. Res.* 82, 328–336; 2006, and references therein). One advantage of the scheme is that it constitutes a controlled version of a process that occurs naturally, in that seawater particles are continually being produced at the ocean surface by wave-breaking and bubble-bursting, and some fraction of these rise into the stratiform clouds above and produce additional cloud droplets. Other advantages are that it can be switched off immediately, with conditions returning to normal within a few days; all required energy is derived from the wind; and the only raw material is seawater.

There is no justification for deploying this or any other global cooling scheme, however, until rigorous examination of all possibly deleterious meteorological and other ramifications have been conducted and found acceptable.

**John Latham**

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## Darwin Centre will be fit for its range of purposes

SIR — Your News story 'Anger at "unfit" museum design' (*Nature* 447, 239; 2007) reports some people's belief that the design of the Natural History Museum's Darwin Centre Phase Two is unfit for purpose, as the building will not have room to house the entire insect and plant collection.

The crux of the issue is that the public is being given access to our science, and this takes space. Building new facilities for the entirety of our collections, research and public access in one go is not feasible, with current funding. Instead we are taking it by stages. With the completion of Darwin Centre Phase Two, we will have more than half of our 70 million specimens in high-quality storage.

Balancing the needs of collections, research and public access will help us to advance knowledge of the natural world and to communicate this to the public. It will mean some changes in how we work and it will take time to adjust. However, we think that the new building will lead to a long-term improvement in the way we carry out and communicate the museum's work in taxonomy and systematics.

We have received a high level of support for this project, and are confident that it will be a real benefit to the museum, the scientific community and the wider public.

**Richard Lane**

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