

## Archaeological split

SIR—Much has been made of the 'great success' that attended the breakaway 'World Archaeological Congress' held at Southampton in September 1986. According to information one of us has received from the chairman of that meeting, "over 1,000 people registered from about 100 countries".

It is important to place these figures in perspective. The attendance of 1,000 contrasts sharply with the 2,000–3,000 that the organizers originally expected. Moreover, we would remind our colleagues that at the IXth Congress of the International Union of Prehistoric and Protohistoric Sciences (IUPPS), held at Nice from 13 to 18 September 1976, which, in accordance with the constitution of IUPPS, was open to scientists from all countries, 3,127 participants from 94 countries were present.

So, at the price of holding a meeting by sacrificing a major principle, the organizers gained five or six countries, lost 2,000 participants and did grievous harm to British and world archaeology. Add to that the unprecedented split in British and world archaeology, the wedge driven between colleague and colleague, the stimulus given to a major cleavage and politicization of world sciences ... and we cannot see that all this adds up to 'a great success'.

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## Throwing stones?

SIR—Your correspondent Vera Rich never misses a chance to revel in *schadenfreude* at any misfortune that befalls the Soviet Union, which she immediately attributes to inadequate planning or ability to cope with the authorities. The latest outburst was her report (*Nature* 325, 188; 1987) of the spell of very cold weather that hit most of Europe between 11 and 16 January.

I have visited the Soviet Union three times during very cold winters and was impressed by the way buildings (including private homes) were heated, streets and railways kept free of snow. All forms of public transport ran efficiently, and diesel vehicles had preheated fuel and oil.

I was in England during this year's cold spell and was appalled by the inability of the authorities there to cope. Many roads, including some motorways, were closed, there was chaos on the railways and old people were dying of hypothermia in their homes, all this at temperatures 30° C above what the Russians were experiencing. The military managed to overturn a vehi-

cle carrying a nuclear weapon, an event that might well have developed into a catastrophe of Chernobyl proportions.

Maybe there is some Vera Rich in the Soviet Union churning out pejorative copy about the inability of the capitalist authorities to cope with a spell of only slightly cold weather, and their callous disregard of the plight of their citizens. But what such a correspondent would write could genuinely be classified as *pravda*.

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## Space colonization

SIR—Von R. Eshleman's reservations about the near-term feasibility of space colonization deserve attention (*Nature* 324, 115; 1986). Colonization historically has been successful when existing technology permitted the migration of substantial numbers of people into large uncultivated areas that were suitable for agriculture. Conversely, experience has shown that the exploitation of a hostile environment for commercial or scientific purposes does not result in colonization. For example, the mapping of the ocean floor and offshore oil drilling have not resulted in any noticeable increase in the population of the oceans.

The rest of our Solar System is not suitable for agriculture. If the colonization of 'space' is judged to be a worthwhile goal, one way to proceed would be to use remote sensing devices to identify Earth-like planets in other Solar Systems. Once an Earth-like environment has been identified, it would be appropriate to initiate plans for colonization. An attempt to colonize the rest of our Solar System would probably be as cost effective and as successful as the European colonization of Greenland from AD 986 to 1599.

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## More vaccine needed

SIR—The article by Tim Beardsley describing the formation and goals of the Task Force on Hepatitis B Immunization (*Nature* 324, 399; 1986) may inadvertently give the impression that we intend to achieve widespread hepatitis-B virus (HBV) immunization in high prevalence regions of the world solely through use of the vaccine produced by the Cheil Sugar Co. in Seoul, Korea.

That company deserves credit for having produced a pure and potent vaccine that can be manufactured at relatively low cost. Moreover, because of the generosity and humanitarian spirit of Mr B.C. Lee, chairman of Cheil's parent company, SAMSUNG, it is the first to commit itself

to providing vaccine for public sector mass immunization programmes at \$1.00 per dose, the maximum cost for a vaccine to be considered for inclusion in mass immunization programmes.

But the actual need for HBV vaccine throughout the world will be several hundred million doses a year, so it is clearly necessary for many producers to share responsibility for meeting these needs.

The Task Force is therefore in communication with all potential manufacturers of HBV vaccine, from whom we hope to be able to elicit similar commitments.

The Task Force favours widespread use of all safe, effective and affordable vaccines so that hepatocellular carcinoma and cirrhosis in high prevalence regions of the world can be controlled.

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## Valuable libraries

SIR—As users of the human chromosome-specific libraries prepared by the Los Alamos and Livermore National Laboratories of the Department of Energy and distributed by the American Type Culture Collection, we wish to refute the suggestion that these libraries are not of value to molecular geneticists (*Nature* 323, 660; 1986). In our experience these libraries represent a valuable and freely available resource. Their "deficiencies" reflect a state of the art problem. There is no doubt in our minds about the "biological talent" of the scientists involved, nor of the usefulness of the libraries.

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