

just as much in the dark about the delay as anybody. "In itself", however, "it's nothing momentous", he said. The issues raised by Halluin "have been looked at" and do not challenge the basic claim of Cohen and Boyer.

He also questioned the benefits to anybody of mounting a challenge. "Recall that the royalties are very low and no-one has contested that they [Cohen and Boyer] were the first ones to do this. And given the fact that everyone's getting a licence, I don't know why anybody would challenge it."

But royalties may not continue to be low. One industry observer pointed out that once commercial production begins — especially production of products with a high mark-up — royalties could be "substantial". And the incentive to mount a challenge would also grow. The licence contracts call for royalties of 1 per cent on net sales up to \$5 million, 3/4 per cent on the next \$5 million, and 1/2 per cent after that.

If a challenge is eventually filed, it could well be based on the issues that Halluin raised, and would probably take the form of a request for a reexamination of the first patent. Since December 1980, it has been possible to file such a request directly with the Patent Office, a much simpler procedure than mounting a lawsuit as was previously required. A recent Supreme Court ruling allows even a licensee to challenge a patent.

The original Stanford patent was a process claim, covering the production of transformants. The second patent, a product claim, covers the transformants themselves. In practice, however, it adds relatively little: the only additional protection it provides is in preventing a foreign company from producing transformants outside the patent and then selling them in the United States.

Stephen Budiansky

Polish students

Subjective change

There threatens to be a significant drop in the numbers of Polish students reading technical subjects in the next academic year, beginning in October. According to Warsaw radio, there has been a "qualitative transformation" of young people's attitudes to study. School-leavers, said the commentator, are thinking more frequently in "practical categories" and, in particular, of job prospects.

The swing away from technical studies does not, however, seem to be entirely spontaneous. At the end of June, the Minister of Science, Higher Education and Technology, Dr Benon Miskiewicz, said that the intake quota for the polytechnic universities had been cut this year due to a reduced demand for engineering personnel.

The minister's explanation, that the admission quotas have been deliberately

cut, seems the more likely. In Poland's current economic stagnation, many of the grandiose engineering projects of the Gierk regime have been suspended or, tacitly, cancelled. Moreover, since the alternative to higher education for male school-leavers is military service, it seems highly unlikely that many would deliberately opt for the latter.

Unlike many of its allies, Poland has never attempted to plan university admissions strictly in accordance with job prospects. The ministry has, however, the right to set limits to admissions in subjects that are over-subscribed — a right hotly contested during the public debate on the draft higher education act last year. A parallel situation exists in the medical colleges, where the Ministry of Health can intervene on admission numbers but where, in recent years, the ministry has been pressing for more admissions even though teaching facilities are inadequate.

Last September, the Warsaw Medical Academy took advantage of the then liberalization to reduce its student intake — and triggered a sit-in by the parents of students who had failed to gain admission. Significantly, however, neither the Ministry of Health nor Solidarity and its student adjunct, the Independent Students' Association NZS, backed the parents, on the grounds that the decision must rest with the academy.

Unemployment among young graduates has been a problem in Poland for several years, until the imposition of martial law on 13 December 1981, with its system of compulsory registration and direction to — if necessary — unskilled manual labour.

Part of the explanation is that student admissions have been uncontrolled. University tuition in Poland is free, textbook prices are low, and during the 1970s artificially pegged food prices made it relatively easy for all but the poorest families to support their children through five or six years of higher education. Recent moves to adjust the price structure have, however, produced increases so high that many citizens cannot afford to purchase their (at best scanty) food rations, so that keeping a son or daughter at university is fast becoming a luxury. A system of maintenance grants and/or loans is being considered, which would, presumably, allow the ministry to regulate admissions without having to decree a *numerus clausus* on admissions. It could also, in the long term, help to end the controversial system of "bonus points" by which young people from working class or peasant families receive extra marks in the university entrance examination to compensate for the lack of intellectual background at home. It could also (although this has not been mentioned publicly) provide the ministry with a further means of controlling student unrest without encroaching on university autonomy by ordering that offending students should be expelled or suspended.

Vera Rich

British nuclear power

Risks assessed

The British Central Electricity Generating Board (CEGB) published a final appendix to its case for building a pressurized water reactor (PWR) in the nick of time last week, just one working day before the public inquiry into the siting of the reactor at Sizewell in Suffolk opened this Monday (26 July). The publication of appendix M, on degraded core accidents and their consequences, added the last few kilogrammes to the more than 100 kilogrammes of reading matter that is CEGB's statement.

Participants at the inquiry, however,

The Sizewell inquiry

Organizing the Sizewell inquiry is by no means simple, to judge from the length of meetings set aside for the task. The hearings earlier this week were the second in a series of three to discuss the precise procedure of the main inquiry, beginning on 11 January 1983.

The Department of Energy has promised a wide-ranging inquiry that will consider the need for the proposed pressurized water reactor (PWR) in the light of the government's long-term energy policy, the safety of the design, waste management and local environmental issues. Sir Frank Layfield, the inspector, favours hearing evidence topic by topic rather than each organization making its complete case in one session as at the Windscale inquiry. The order of witnesses is expected to be the Central Electricity Generating Board (CEGB) followed by government departments and other statutory bodies, local authorities, objector groups and individual objectors, although the order may well depend on the topic.

The procedural hearings are designed to help the inspector to determine precisely how to order the main inquiry — for example, how to split topics and what guidelines to issue on the release of documents. The formal opening of the inquiry this week gives the inspector statutory powers to request documents he believes should be made available before the main hearing. The inspector seemed eager to take up those powers on Monday when he promised to draw up guidelines on the release of documents that have not been voluntarily disclosed.

The inquiry is planned to take place at the Maltings, Snape, the closest large meeting place to the proposed site. But the inspector has suggested that part of the inquiry, perhaps during June and July 1983, should transfer to London in view of the national importance of much of the debate. Some objectors will be arguing the case for holding more of the hearings in the capital, especially those on need and economics.