

# German leader for JET project

DR Hans-Otto Wüster, a West German accelerator physicist presently on the directorate of CERN, was named on 20 December as project leader for the building of JET, Europe's planned giant torus for extending fusion energy research. Dr Paul Rebut, the French physicist who has led the design team for JET, has been named deputy, and Dr Romano Toschi (currently head of the Italian fusion effort based at Frascati) will be Chairman of the Management Committee. All three appointments are provisional, but are expected to be adopted formally by the Council of Ministers early in 1978.

Dr Wüster's appointment is bound to be felt as somewhat of a rebuff to Rebut; but it was not unexpected. This is not because of any failing in Rebut, but because of the vexed European politics that have dogged JET from its inception. When the decision was made last year that JET should come to the Culham fusion laboratory in the UK (where Rebut's design team had been based) rather than to Garching in West Germany, it was felt that some kind of recompense should be paid to Germany. The appointment of Wüster to the top job achieves this—if to the chagrin of France.

Wüster is not well known at Culham—his field has been high energy physics, not fusion—and he

may find his initial reception cool. But he has time yet to work out his relationship with Rebut and Toschi and those of the design team still left at Culham. The Interim JET Council that appointed him, composed of representatives of all the nations contributing to JET, is suffering from the usual problems of large international committees and is not making its decisions particularly rapidly. It seems unlikely that the team will be completed before July, and meanwhile the main competitor—the Princeton Tokamak—has a chance to forge ahead. After all the earlier delays in the JET project Culham staff look on this further constraint somewhat resignedly.

Wüster himself is no stranger to large international scientific projects. He was deputy to John Adams during the building of the 400 GeV SPS accelerator. Once it was agreed to build it, the SPS became a great European success—built under budget, ahead of schedule, and beyond specifications. Wüster managed the budget of the SPS, and no doubt his success there influenced the JET Council. It will be interesting to see if he can be successful with the budget and management of JET, in a technology he knows less well.

Staff at CERN respect Wüster as a man with great administrative ability, a man who has his goals very clearly



*Hans-Otto Wüster: goals clearly in mind*

in mind, a blustering, jovial man "who will pile in rapidly" and take to his job with enthusiasm.

Another undoubted asset Wüster will bring to JET is his long-standing friendship with his opposite number at Princeton: Dr Paul Reardon who heads the Princeton Tokamak team. Reardon was also a high energy physicist; and he played a similar role to Wüster's in the building of the Fermilab National Accelerator, the 400 GeV US competitor to Europe's SPS. Fermilab was built first, and skimmed the cream, because of the delays that hit CERN in finding a site and funding in Europe. Wüster will no doubt go all out to prove that Europe can, sometimes, be first.

**Robert Walgate**

## Construction shares

ONE of the most pressing tasks the UK research councils will have to tackle early in the new year will be to decide how to spend their individual allocations of the money promised them late last November and early December for construction and energy conservation. Firm decisions must be made very soon because the money has to be spent in 1978-79.

The Advisory Board for the Research Councils (ABRC) announced its decision on how to divide the total sum between the individual research councils just before Christmas: a total of £4.5 million had to be shared between four research councils (the Social Science Research Council did not put in a bid) and the British Museum (Natural History). Initially, £4 million had been set aside for the recipient bodies of the science budget to spend on construction during 1978-79; but in December, when the Secretary of State for Energy announced the UK's £320 million energy conservation programme, the sum was increased to £4.5 million. £1.1 million of it is to

be spent on energy conservation.

The £4.5 million has been divided as follows: the Agricultural Research Council is to receive £1.07 million, of which £0.27 million is for energy conservation; the Medical Research Council, £0.73 million, of which £0.13 million is for energy conservation; the Natural Environment Research Council, £0.65 million, of which £0.15 million is for energy conservation; the Science Research Council £1.75 million; and the British Museum (Natural History) £0.3 million.

The Natural History Museum probably has the firmest plans of what to do with its share. Most of it will be used to provide accommodation for fossil collections and staff at the museum's station at South Ruislip whilst preparations for a new exhibition hall in part of the main building get underway.

As yet, however, the research councils claim to have few firm plans for spending their shares, even though they must each have put forward definite proposals to the ABRC. But they do agree that major new capital projects are out of the question:

the fund is too small and the time available too short. Most of the money will be spent on extending or improving existing buildings or speeding up construction work already started. For example, the SRC will use some of its share to speed up work on the nuclear structure facility at the Daresbury Laboratory and to extend some of its central user facilities. The NERC may use some of its share to put into operation existing plans to extend facilities at the Institute of Hydrology.

**Judy Redfearn**

## BBC commemorates Bronowski

GEORGE Steiner, a controversial man of letters and champion of science, who learned physics from Enrico Fermi and chemistry from Harold Urey, will broadcast live in the UK on BBC2 television next Tuesday at 8.10 pm in the first Jacob Bronowski memorial lecture. Bronowski, devoted to what he called 'the democracy of the intellect', literally gave himself to an epic tele-