

# WESTERN MAIL

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## £10,000 aid for cancer project

### Western Mail Reporter

A cancer research project at Cardiff has received a £10,000 grant from Tenovus, the city charitable institution concerned in the fight against the disease. The project aims to develop equipment which can accurately measure doses for the radiotherapy treatment of cancer.

It has been undertaken jointly by the Applied Physics Department at the University of Wales Institute of Science and Technology and the South Wales and Monmouthshire Radiotherapy Service at Velindre Hospital, Whitechurch, Cardiff.

The grant will enable the project to expand, in order to seek ways of improving a new system of measuring treatment doses.

### Advantages

It is also seeking ways of applying the system to routine applications.

The advantages of the new system have already become evident since it has allowed the measurement of radiation doses that would otherwise be impossible.

For example it can measure the dose for patients treated inside a high-pressure oxygen chamber, and the radiation dose in internal body cavities.

### Hospital tests

The grant will be used to support a research studentship and to buy essential materials for a prototype instrument.

The student, who will train for three years, will be concerned with preparing material at UWIST and will also carry out radiotherapy tests at the hospital using a dummy.

A technician at the UWIST physics workshop is now building the machine, the first of its kind in the country.