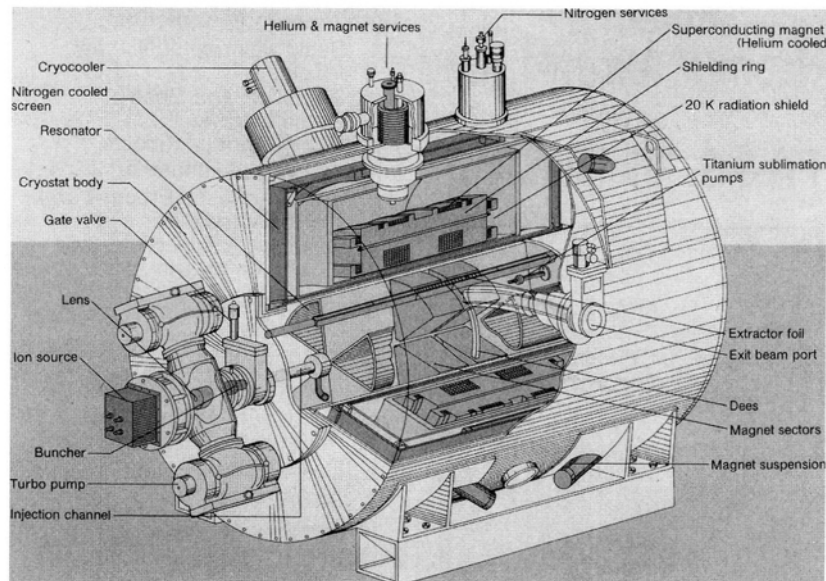


NEW PRODUCTS

■ Japan-U.K. Venture Develops Compact Cyclotron with Medical Diagnostic System

A compact superconducting cyclotron, one-fifth the weight and using one-third the power of conventional alternatives has been developed by Oxford Instruments Ltd. of the U.K. The cyclotron's first application will be to make short-lived radioisotopes for use in medical diagnosis. This will be

Each description of the products below was condensed from information supplied by the manufacturer. The reviews are published as a service to the professionals working in the field of nuclear medicine and their inclusion herein does not in any way imply an endorsement by the Editorial Board of the Journal of Nuclear Medicine Technology or by The Society of Nuclear Medicine.



accomplished by using a PET compound supply system recently commercialized by NKK Corporation of Japan. Since a cyclotron requires an electromagnet to provide a very strong magnetic field, it usually weighs about 20 tons and power consumption is about 100 kw. However, this new unit uses a superconducting electromagnet which not only is lighter but also reduces electricity consumption, since once it is energized, it operates in a persistent mode. The weight of the cyclotron is only 3.6 metric tons and power consumption for the entire radioisotopic compound supply system, including a target box and a chemical black box, is only 36 kw. Following final beam testing in the U.K., the No. 1 unit will be taken to NKK's Applied Technology Laboratory in Kawasaki to test the performance of its PET supply system. NKK, Japan's second largest steelmaker and a leading engineering firm, began working with Oxford, the leading firm in the superconducting magnetic field, in the summer of 1987. Oxford designed and manufactured the cyclotron; NKK developed other components and associated systems. The entire system is being jointly marketed worldwide by the two companies. *Charles E. Butler & Associates, 40 East 42nd St., New York, NY 10165. (212) 687-2480.*

Circle Reader Service No. 69

■ X-Ray Warning Signs in Spanish to Alert Pregnant Women

The Medical Imaging Systems Division of 3M has created X-ray warning signs in Spanish to alert Spanish-speaking pregnant women to the hazards of excessive X-ray exposure. The 10½" by 7" posters alert women who are pregnant, or think they might be, to notify the attending radiologist or technician of their condition, so that precautions may be taken. Since signs in X-ray laboratories are often only in English, the new signs give large segments of the Spanish-speaking population access to this information for the first time. The posters are distributed in several countries and in regions of the United States with significant Spanish-speaking populations, including California, New York, and Florida. *3M, Medical Imaging Systems Division, P.O. Box 33600, St. Paul, MN 55133, Attn: Stephanie Haack. (612) 733-3497.*

Circle Reader Service No. 70

■ Refrigerated Centrifuge

Wheaton introduces a bench top refrigerated centrifuge which is designed for maximum versatility while requiring minimum space. It is suitable for procedures requiring conditions both above and below ambient temperature. The automatic "cut-out" protection circuits are a safety feature to prevent damage to the centrifuge and valuable samples if an unsafe speed, temperature, or unbalanced rotor condition should develop. Temperature is set by the linear temperature selector and is displayed on the L.E.D. indicator. Low temperature control in the refrigeration unit is provided by wrap-around coils and thick insulation surrounding the stainless steel guard bowl. The cooling system will produce temperatures as low as 1°C and is accurate within 1°C, even in continuous operation at maximum speed. The unit is capable of constant temperature operation, maintaining any temperature up to 40°C and is also accurate within 1°C. A large selection of rotors and



tube racks is available for use with the centrifuge. *Wheaton, 1301 N. 10th Street, Millville, NJ 08332. Attn: Frank Norman. (800) 225-1437 or (609) 825-1100.*

Circle Reader Service No. 71