

What's New

Every description of the products described below was condensed from information supplied by its manufacturer. The reviews are published as a service to the professionals working in the field of nuclear medicine and their inclusion 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.

Radionuclide Measurement/Management

Radcal Corp. announces the model 4045 radionuclide manager for the management of nuclear medicine radionuclide inventories. In addition to measurement capability, the "Manager" can maintain an inventory of up to 50 different isotopes without restrictions on the half-life or calibration factor. Capabilities include inventory management, display, and printing, as well as decay-corrected patient tickets and quality control. Printed records are automatically provided for all major transactions.

For departments using unit dose, Radcal offers the basic activity calibrator, model 4050, a fully automatic unit with calibration programmed for eight isotopes. All eight isotope keys and an "other" key are user-programmable. The compact design of this calibrator minimizes bench space. Additional features include large, easy-to-read display, user-selectable automatic background suppression, and switch-selectable measurement units (Becquerels or Curies). Because the model 4050 utilizes the same chamber as the model 4045, upgrading to 4045 capabilities can be achieved without obsolescence of the sensor unit.—*Sales Manager, Radcal Corp., 426 West Duarte Rd., Monrovia, CA 91016*

Circle Reader Service No. 50

Cardiac Phantom

The ADC heart phantom, model HP-100, is a totally electronic controlled system, which allows the clinician to set up specific programs for testing cardiologic dynamic studies. The sliding shield simulating heart motion allows complete testing and analysis of the camera, computer program, and system reliability for different values of ejection fraction. The heart rate is displayed digitally and is adjustable from 40 to 120 beats per min. The ratio of the diastolic-to-systolic periods is also adjustable from a value of 1 to 3, allowing a simulation of actual patient conditions. A trigger signal corresponding to the QRS complex is also

provided for gated cardiac studies.—*Amici, Inc., 373 Main St., Collegeville, PA 19426*

Circle Reader Service No. 51

Lead Shielding Bricks

R/X Nuclear announces the availability of Light-Lead™ shielding bricks. These bricks were designed to replace the heavy lead bricks used in nuclear medicine. Each Light-Lead weighs 7 lb in a 2 × 4 × 8 in. brick. This brick is a homogeneous mixture of lead in an inert polymer. Its density is one-fourth that of solid lead. The cost of Light-Lead bricks is said to be only a fraction of that of solid lead bricks.—*R/X Nuclear, Div. of Reactor Experiments, Inc., 963 Terminal Way, San Carlos, CA 94070*

Circle Reader Service No. 52

New Dose Calibrator

A new, low-cost dose calibrator provides rapid, reliable determination of radioisotope activity and concentration for permanent record-keeping. After one measurement to calibrate the instrument for a specific sample, no further radiation measurements are needed. A built-in microcomputer stores the measured activity together with the date, time, isotope identification, and sample volume. When the activity/ml must be known at a later date, the system automatically calculates it in mega-Becquerels or mCi. It can even determine the exact syringe volume needed to achieve a specified dose.

The unit is preprogrammed with the half-lives of 37 different radioisotopes and automatically compensates for decay. In its calculations, a background figure previously measured and stored is automatically subtracted. A built-in printer provides a permanent record of date, time, radioisotope, activity, concentration (activity/ml), and syringe volume.—*Nuclear Associates, 100 Voice Rd., Carle Place, NY 11514*

Circle Reader Service No. 53

Radioisotope Injection Unit

A new radioisotope bolus injection unit, designed specifically for dynamic flow studies of heart, liver, kidney, and brain, is available from International Medical Industries. The unit permits placement of a short, compact bolus directly into the flush stream to achieve crisp, clear scintigraphic images.

A one-way leaf valve prevents reflux into the flush syringe. The wedge-shaped injection chamber forms the radioisotope into a bolus with minimal dilution. Luer lock ears provide a positive connection to the flush syringe.

The IMI/paramedical 56-10 units are sterile, pyrogen-free, and disposable, packaged 40 per case in individual blister packs.—*International Medical Industries, 570 Pleasant St., Watertown, MA 02172*

Circle Reader Service No. 54

Imaging Automation

The multimodality acquisition and review system (MARS) is to be used in video display and digital archiving of all types of medical images. The system is primarily composed of Gould Electronic's IP8500 image processing system, with combinations of Winchester and real-time digital disks. As a "digital lightbox," MARS combines touch-sensitive terminals, uniquely flexible software, and top-speed data transfers to create the "pick and point" method of analyzing image data clipped to a lightbox. It reduces the rapidly expanding cost of film x-rays and scans while centralizing and standardizing image analysis and storage.—*Gould Inc., DeAnza Imaging and Graphics Div., 1870 Lundy Ave., San Jose, CA 95131*

Circle Reader Service No. 55

New product releases must be received by January 2, 1984, in order to be considered by the Journal for review in the March issue.

Send new product information to the Coordinating Editor, *Journal of Nuclear Medicine Technology*, 475 Park Avenue South, New York, NY 10016.

The JNMT's Reader Service Card— *Just for You!*

The *Journal of Nuclear Medicine Technology* features a reader service card for your convenience.

How can you use this new service to your greatest benefit?

Here's how!

If, for example, you would like to receive product information directly from a supplier who is advertising in this issue, simply circle the number on your reader service card that corresponds to the ad. Then fill in your name and address, tear out the card, and drop it in the mail. United States postage is already paid, so it costs you nothing to take advantage of this service.

Don't forget that both What's New and What's New in Radioimmunoassay—editorial reviews of new products in nuclear medicine—carry reader service numbers for your convenience.

You can also use your reader service card to receive the following information from the Society of Nuclear Medicine and the Technologist Section:

	Circle Reader Service Number
Technologist Section Information	
<input type="checkbox"/> Technologist Section Referral Service	81
<input type="checkbox"/> Model Job Description	82
<input type="checkbox"/> List of Accredited NMT Training Programs	83
<input type="checkbox"/> Position on Licensure	84
<input type="checkbox"/> JRCNMT "Essentials"	85
<input type="checkbox"/> "What Is Nuclear Medicine Technology?"	86
<input type="checkbox"/> Model State Legislation	87
<input type="checkbox"/> Technologist Section Bylaws	88
<input type="checkbox"/> The "VOICE" Packet	89
<input type="checkbox"/> The <i>JNMT</i> Style Manual	90
<input type="checkbox"/> Educational Aids Brochures (Books, Audiovisuals, and Recruitment Materials	91
Membership Information and Applications	
<input type="checkbox"/> Society of Nuclear Medicine/Technologist Section	92
SNM Publications: Ordering Information	
<input type="checkbox"/> SNM Audiovisuals	93
<input type="checkbox"/> MIRD (Medical Internal Radiation Dose) Pamphlets	94
<input type="checkbox"/> Books	95
<input type="checkbox"/> Nuclear Medicine Patient Pamphlets	96
<input type="checkbox"/> Back Issues of the <i>JNM</i> and the <i>JNMT</i>	97