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# 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.

## Image Processing System

SPECTRA A<sup>3</sup> Nuclear is the newest addition to the Medtronic/Medical Data Systems line of image processing systems. A<sup>3</sup> was developed to support the rapidly changing nuclear medicine environment; its design adds capabilities that enhance operation of all existing A<sup>2</sup> systems without making them obsolete.

The A<sup>3</sup>'s logic rack architecture contains 2 megabytes of memory, and a high speed slicer array processor. The A<sup>3</sup> is said to make emission computed tomography clinically practical. Its hardware is designed for single and dual-detector tomography, and makes possible parallel reconstruction tomography and variable filtration tomography methods of tomographic reconstruction.—*Medtronic/Medical Data Systems, 2311 Green Rd., Ann Arbor, MI 48105; Attn: Marketing Dept.*

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## Nuclear Cardiology System

The model 8450 from EDC is a programmable, precision cardiac stress testing system for nuclear medicine that gives a permanent, printed record of tests. Protocols can be set up right on the front panel in seconds, and the profile of the protocol as it is set up can be viewed.

Programming is accomplished via "shaping" of twelve slide switches to the protocol profile. Each of the twelve segments can be checked digitally and adjusted promptly. Change from a "workload" protocol to a "heart-rate" mode is done with the touch of a switch. If the stress amount is to be limited to a specified part of the workload, a special control will do this.—*Joseph Ress, Engineering Dynamics Corp., 120 Stedman St., Lowell, MA 01851.*

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## Rotational Gamma Camera

ADAC Laboratories announces the ARC-3000, a rotational gamma camera system. The ARC-3000 features a rotational mechanical positioning assembly, which may be used clinically for conven-

tional nuclear medicine imaging or adapted to emission computed tomography.—*ADAC Laboratories, 255 San Geronimo Way, Sunnyvale, CA 94086.*

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## Multi-Imager

A versatile, multifunction video camera is the Matrix Multi-Imager 10. The imager can accommodate all common film sizes: 14 × 7 in., 11 × 14 in., and 8 × 10 in. Independent and continuously variable Z-axis positioning of the monitor and lens allows recording of any size image and thus a wide variety of format configurations in a single sheet of transparency film.

The imager may be ordered with an automatic film handling device, which allows bulk loading of up to 100 sheets of 14 × 17 in. film, and eliminates cassette or film handling during medical imaging procedures.—*Matrix Instruments Inc., 230 Pegasus Ave., Northvale, NJ 07647.*

Circle Reader Service No. 53

## New SPECT Radiopharmaceutical

Benedict Nuclear Pharmaceuticals has acquired an exclusive license to patent rights for a new single photon emission computed tomography radiopharmaceutical used to diagnose stroke. The compound, HIPDM, will be labeled with Benedict Nuclear's high purity radioactive tracer, sodium iodide I-123. When injected into the bloodstream, the radiopharmaceutical flows to the brain, where it remains for ½ to 2 hr. Gamma cameras or SPECT systems can then study a patient's cerebral blood flow.—*Benedict Nuclear Pharmaceuticals, Inc., PO Box 548, 1313 Washington Ave., Golden, CO 80401.*

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## Imaging Table Motor Drive

The MD-136 motor drive is a battery-powered unit that eliminates the patient hazard that exists when connecting a

motor-driven table to AC lines. The unit contains a rechargeable gel-cell battery and built-in battery charger.

Special features include a safety relay system that prevents raising and lowering the table while the battery is being charged and a fail-safe dual switch that prohibits potential patient risk.

Installation is achieved by "dropping" the unit into place on the bottom rail of the table frame. The motor drive unit fits all existing ADC XYZ-202 imaging tables and General Electric XYZ tables. It may also be ordered with any new XYZ imaging table.—*ADC Medical, 400 Smith St., Farmingdale, NY 11735.*

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## Instant X-ray Slide System

The AV35-XR2 produces a projectionable 35-mm slide of x-ray film in 35 sec. Newly developed circuitry allows faithful copying of difficult wide density ranges, as well as low contrast x-rays. Through the use of controlled "edge enhancement," the overall density range of an x-ray can be compressed, yet fine detail contrast is enhanced, resulting in an image that is easily viewable under adverse conditions using standard projection equipment.

The unit is easy to use, requiring the user to select only the lighting required and the type of copy. The camera is then focused, an AV35 slide card is inserted under room light and in approximately 25 seconds the slide is returned fully processed.—*Photon Chroma, Inc., 202 Union St., PO Box 662, Westfield, MA 01086.*

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New product releases must be received by October 1, 1983, in order to be considered by the Journal for the December issue.

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