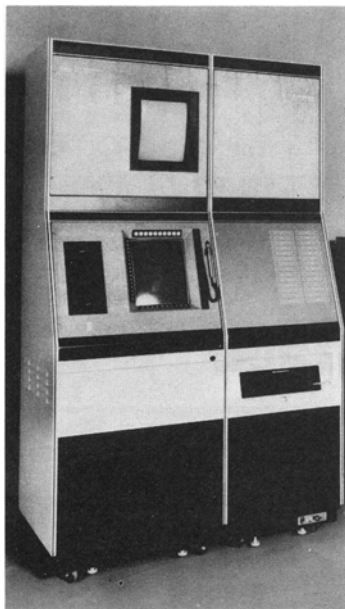


What's New

Every description of the items on the following three pages was condensed from information supplied by its manufacturer. They 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 JNMT or by the Society of Nuclear Medicine.



Scintiview Added

Searle Radiographics' Scintiview image/data processing system is now available for use with Searle's Pho/Gamma IV and Pho/Gamma 37GP model scintillation cameras. Previously the Scintiview had been available as an add-on image/data processing system for the company's newer technology Pho/Gamma V and Pho/Gamma LFOV cameras; more recently, introduction of modularity in Searle's nuclear medicine product line has also enabled Scintiview to be integrated directly with a Pho/Gamma V or LFOV detector to offer total computerized camera system control and processing.

Scintiview features human-engineered design—which can be operated by technologists with minimal additional training and no computer experience. Specific operations and information manipulations are selected by a single button for each operation.

Scintiview, when added to a Pho/Gamma IV or Pho/Gamma 37GP, is available with microprocessor and associated random-access and read-only-memory, black and white display, push-

button operator controls, light pen for irregular regions of interest, and floppy disc. Options of particular interest are the cardiac analysis package for calculation of left ventricle ejection fraction, micro-dot imager for hard-copy formatted on x-ray film, cartridge disc for enhanced storage capacity and system capability, color display, and a number of other options designed to suit an individual user's needs.

The camera systems employing Scintiview can also interface with large and small computers and can be upgraded to include additional capabilities as needs change within a nuclear medicine department. New information-processing protocols can be added by a floppy disc as these application programs become available and as user needs change.—*G. D. Searle & Co., Box 1045, Skokie, IL 60076.*

Silver Recovery Unit

A new low-cost, 3½-gallon size silver recovery device designed for small volume users of film processors is available from Kodak. The chemical recovery cartridge, junior 1-P, is the latest and smallest in the company's line of four silver recovery units and makes it possible and profitable to retrieve silver—in situations in which small volume or infrequent use makes installation of larger units impractical.

With proper installation and monitoring, the small-size cartridge can capture 90% or more of the potentially recoverable silver from processing solutions. Gravity-fed and requiring no electrical hookup, the junior 1-P is easy to install and maintain. A simple test paper procedure used on the effluent shows when the cartridge is exhausted and ready for the refinery.

Tc-99m Generator

Easier handling, added convenience, and improved radiation protection are said to result from a series of changes in the Ultra-TechneKow® FM Tc-99m generator system. The generator produces sterile metastable Tc-99m. Sterile, isotonic solutions of [^{99m}Tc] sodium pertechnetate are obtained through aseptic elution of the generator.

Redesign of the Ultra-TechneKow canister has resulted in a large top handle for easier lifting and maneuverability, and simplified the engagement and removal of the Luer-lock needle to augment sterile elution technique. A new valve system provides protection against accidental elution or leakage.

An additional lead plate has been inserted between the tubing and the canister wall to reduce radiation levels during elution and a redesigned auxiliary shield is available to provide reduced surface radiation levels on all sides and the top.

In smaller units, weight has been reduced through a change in configuration of the internal column



shield. The system includes eight generators containing 0.25 to 3.0 Ci of molybdenum-99 at calibration times stated on the labels.—*Mallinckrodt/Nuclear, PO Box 5840, St. Louis, MO 63134.*

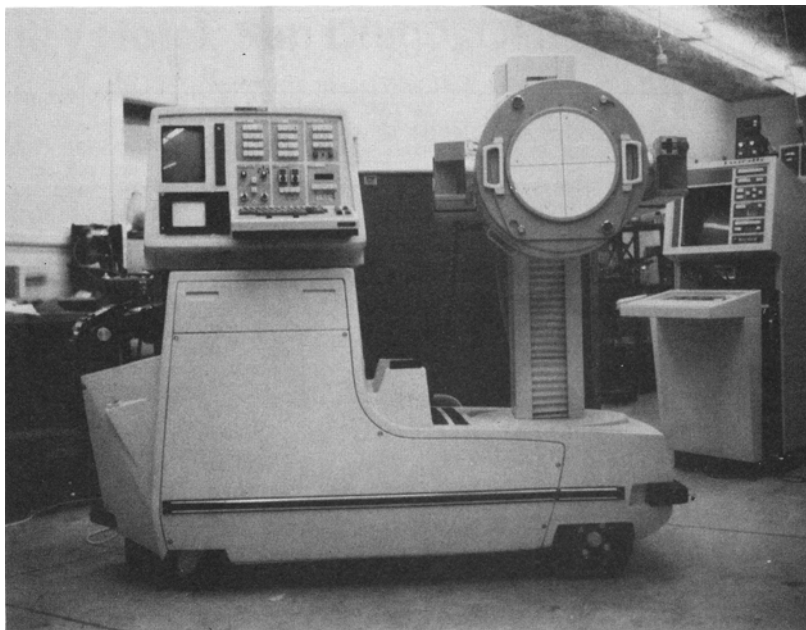
As with all Kodak models, the new cartridge can recover silver from virtually all processors and processing methods; because of its low height, it is especially suited for processors that are linked to chest film changer units.—*Eastman Kodak Co., Corporate Information, 343 State St., Rochester, NY 14650.*

 A new self-monitoring, 90-sec film processor incorporating the latest in electronic control devices is also available from Kodak.

Among the versatile, energy-efficient features of the Kodak RP X-Omat processor, model 8M, are: chemical replenishment based on the area of film processed; ten lights on the front panel indicating when any of the ten most important processor functions critical to radiographic quality control are within operating limits and when they are not; built-in automatic standby control; ambient water washing of film, 4.4 to 32°C; operator convenience lights, sound alarms, and controls; digital thermometer for developer and fixer temperatures; and a newly designed film receiving bin to facilitate easy retrieval of all sizes of film.

The new processor can also accept optional devices such as automatic film changers, silver recovery units, chemical mixers, roll film feed and take-up devices, and chemical recovery equipment.—*Address same as above.*

Portable Gamma Camera



Elscint, Inc. announces a self-contained portable gamma camera system with minicomputer onboard. The unit is capable of performing a variety of in-depth cardiac studies including ejection fractions, first pass, and wall motion studies, and other parameters of major importance.

The DYMAX-MB mobile camera can be used in a patient's room when the patient cannot be moved to a nuclear medicine department, as well as in ICU, cardiac catheterization units, and emergency rooms—in all cases when it is easier to move the camera rather than the patient.—*Elscint, Inc., PO Box 832, Hackensack, NJ 07602.*

Imaging Table/Alarm Monitor

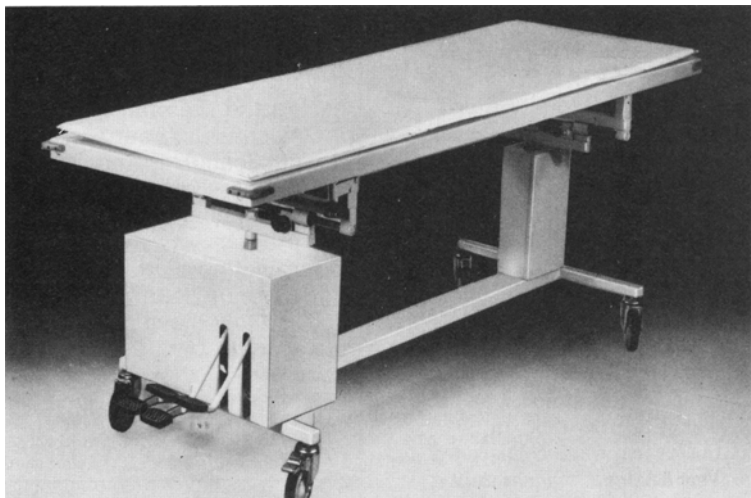
The "VersaScan" imaging table permits rapid, precise positioning of patients during nuclear medicine imaging procedures. It is compatible with all cameras and dual-probe scanners.

The table top offers six movements: lateral (X) travel in either direction from

center; longitudinal (Y) travel in either direction from center; vertical (Z) motion from 33 to 43 in. above floor level; circular movement within the X-Y limits; either end of the table top can be moved in an arc within the X limits; and either end can be tilted up to 12 in. for Townes view.

The patient can be easily raised,

lowered, or tilted by a foot-activated hydraulic system with locking knobs. Two versions of the table are available—one for standard cameras and a larger size for jumbo types. The table comes with either a fabric or acrylic table-top.—*Nuclear Associates, 100 Voice Rd., Carle Place, NY 11514.*

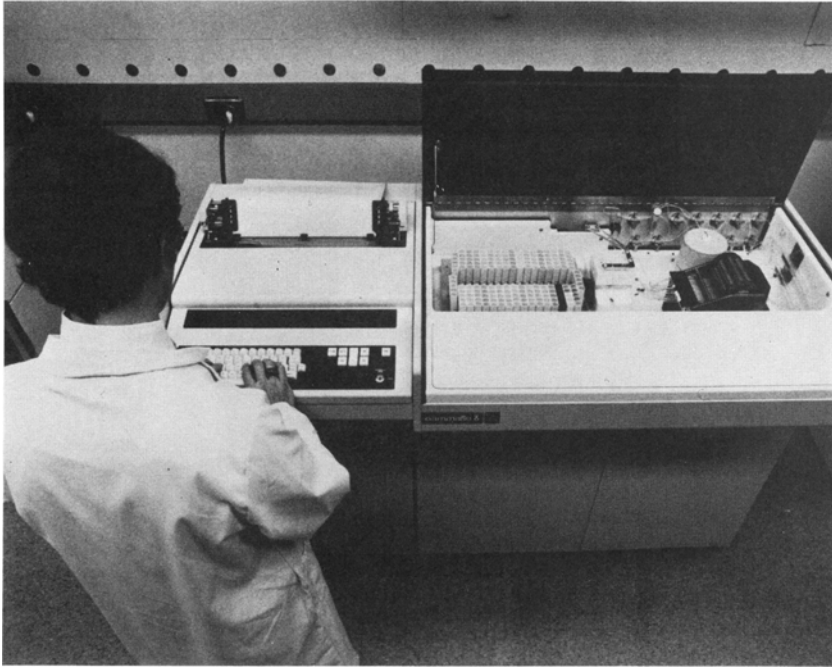


 Also from Nuclear Associates is a compact, lightweight "Primalert 35" area alarm monitor, a hand-held or wall-mounted system for warning personnel of excessive gamma radiation levels. It displays the radiation level on bright color-coded lights and emits audible and visible signals whenever a user-preset level is exceeded. Six range indicators (1, 2, 4, 8, 16, and 32 mR/hr) clearly display an increase or decrease in radiation. The light for each level goes on when the radiation intensity reaches that level and goes out when the rate drops below the level.

A fail-safe light continuously indicates background radiation; the monitor will not jam or show false reading in high radiation fields.—*Address is above.*

What's New in RIA Products

Fully Automated RIA System



A fully automated radioimmunoassay system had been developed by E.R. Squibb & Sons—the Gammaflo™.

Gammaflo is a continuous flow instrument that totally automates the performance of RIA procedures, processing 40 to 60 samples per hr, with a high degree of accuracy and

reproducibility. The instrument also offers unique versatility for rapid changeover from one assay to another. The company anticipates distribution of the system to begin in mid-1979 with four or five of the most frequently used assay kits.—*E.R. Squibb & Sons, Public Affairs, PO Box 4000, Princeton, NJ 08540.*

Binding Assay Controls

Tri-Level ligand assay control set A, B, C is a comprehensive control for the majority of binding assay procedures performed in the clinical chemistry laboratory. The Ortho control set is prepared from one human sera pool and provides three control sera with constituents at three convenient levels including clinically significant levels encountered in thyroid testing. Because the set is prepared from fresh human serum obtained from Ortho's own donor centers, control is extended over every facet of manufacturing to ensure that uniform protein matrix is used in each level A, B, and C.—*Ortho Diagnostics Inc., Raritan, NJ 08869.*

Single Tube Free T₄

Damon has developed the first direct, single-tube RIA to measure free serum thyroxine, named Liquisol™ Free T₄. The new assay uses a microfiltration and microencapsulation process to produce a direct free thyroxine measurement. It offers accuracy comparable to the more costly reference method of equilibrium overnight dialysis, which also requires separate total T₄ assay.

Faster, simpler, and more economical than two-tube bench method, Liquisol's advantages include enhanced sensitivity and reliability with more advanced diagnostic results.—*Damon Diagnostics, 115 Fourth Ave., Needham Heights, MA 02194.*

Insulin Assay

Micromedic Systems has added insulin testing to the AUTOPAK test delivery system for CONCEPT 4 automatic radioassay. AUTOPAK insulin reagents are premeasured, prestandardized, and color-coded orange to conform with international insulin color coding.

Kit includes: 200 insulin miniassay tubes treated with rabbit anti-insulin serum; one vial I-125 tracer solution; one bottle insulin buffer solution; seven vials of insulin standards containing defibrinated human plasma; two vials of insulin controls (normal and abnormal) supplied in defibrinated human plasma; and a technical information booklet.—*Micromedic Systems, 102 Witmer Rd., Horsham, PA 19044.*

Digoxin RIA Kit

New England Nuclear had introduced another in its line of RIANEN™ assay systems. The digoxin RIA kit (using I-125) is for direct measurement of serum digoxin levels.

The assay is based on a unique and convenient prereacted double-antibody methodology, proven sensitive and highly reproducible. It provides fast and accurate data necessary to evaluate, monitor, and improve management of digitalized patients.

The kit provides all reagents ready to use, an alternative stat protocol, and a high total count rate per tube. In addition, the kit features a color-coded tracer.—*New England Nuclear, 549 Albany St., Boston, MA 02118.*