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Reference:

Photograph courtesy of University of Alabama School of Medicine.

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The proud parents of the Model 600 would like to announce that 85 of their offspring have been perfectly matched with scintillation cameras around the country. They are now inseparable.

We would be most happy to send vital statistics of the Model 600 to any unattached scintillation camera.

R.S.V.P.

P.G.L.
1280 Columbus Ave.
San Francisco,
California 94133
(415) 474-6338
The Recognized Radio-Decontaminant

Fully proven daily in hundreds of isotope laboratories.

Safely Solubilizes Nuclidic Radioactivity

Safely and efficiently removes nuclidic radioactivity from all types of isotope labware and laboratory surfaces. Potent combination of eight synergistic surfactants, diluted for use, is effective for all isotopes—whether inorganic or organic; in ionic or non-ionic form.

FOR GLASSWARE: Permits reuse of scintillation sample tubes and counting vials, beakers, pipettes, syringes, etc.

FOR METAL OBJECTS: Isoclean decontaminates syringe needles, forceps, shielded containers, and stainless steel trays.

FOR PLASTIC COMPOSITIONS: Isocleaned benchtops, floors, utensils, and rubber gloves are wipe-test activity-free.

Available from offices of Amersham-Searl, Nuclear Associates, Picker Corporation, or directly from Isolab.

Request Isoclean product data folder.

ISOCLEAN INCORPORATED

Drawer 4350, Akron, Ohio, USA 44321 Phone: (216) 825-4528
Introducing live animal scanning

Before you sacrifice another laboratory animal, send for information on the new Varian Aerograph/Berthold Live Animal Scanner. This unique instrument locates γ-emitting isotopes in live laboratory animals rapidly and with high sensitivity. The animal is anesthetized during the scan.

Typical isotopes that can be used include $^{125}\text{I}$, $^{131}\text{I}$, $^{197}\text{Hg}$, $^{203}\text{Hg}$, $^{75}\text{Se}$, and $^{241}\text{Am}$.

The stretching table is of proven design for small animals. The table can be moved rectilinearly in the plane of the transport carriage, which enables you to easily make an outline drawing of the animal on the recording chart. In this way the recording of the activity distribution is directly correlated to the parts of the body of the test animal.

For complete information on this sensitive instrument, write to: Paul Batchelder, Product Manager, Varian Aerograph, 2700 Mitchell Drive, Walnut Creek, California 94598.

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For complete information on this sensitive instrument, write to: Paul Batchelder, Product Manager, Varian Aerograph, 2700 Mitchell Drive, Walnut Creek, California 94598.
The Computerized Gamma Camera Data System.

More and more leaders in nuclear medicine are using Hewlett Packard's approach.

There's no end to what you can do with HP's system.

This new computerized system offers the most advanced data acquisition and manipulation techniques in nuclear medicine. Whether you're a researcher or clinical user, the studies you can carry out are virtually unlimited.

It lets you see and do things you could never do before in this field. The results are better patient care and more precise research—done faster and for less money.

Despite its sophistication, the system is remarkably easy to understand and operate. It has a simple keyboard that you or your technicians can use to tell the system what you want it to do. After that, everything's automatic. You don't have to be a computer programmer to run it.

It does things no other system can.

High Data Rate. It records up to 100 frames per second in our unique List Mode, or 300,000 counts per second in Histogram Mode. It handles the highest speed studies currently being investigated.

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1. Data resolution of 128 x 128.
2. A Physiological Trigger to synchronize data framing.
3. Multiple Isotope capability that lets you record data from three isotopes simultaneously (two with the Physiological Trigger).
4. Image Expansion with which you can enlarge data from a small organ either before or after your study.

Whole Libraries of Programs. The simple, versatile HP BASIC language makes curve analysis easier than ever. BASIC is extensively documented and widely used in computer time share systems. And, if you ever wish to go even farther with the built-in general purpose HP computer whole libraries of other languages, (Fortran, Assembly and Algol) are available from HP.

Remembers Your Protocols. With just several keystrokes it'll automatically execute your previously entered protocols.

It does everything you expect a system to do, too.

It displays contours, isometric views and slices. You can define areas of interest with joystick markers or an optional light pen, and store 16 areas for later recall and curve generation.

Just several keystrokes give you complete Time Function and Frame (Image) Arithmetic. You can smooth, add, subtract, divide, multiply, using either images or constants. Complex images such as lung ventilation-perfusion ratios are yours with just several keystrokes. And it normalizes images for non-uniform camera responses.

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Hewlett-Packard, an international leader in measurement, analysis and computation, makes all major components of the Model 5407A system, including the computer, and tape and disc memories. The company has 172 offices throughout the world ready to give you service and technical assistance.

HP is well known in the medical field. It's other products include ECG's, VCG's, patient monitoring systems, electromyographs, diagnostic ultrasound, fetal monitoring, and computer-assisted cardiac catheter labs.

There's a book that tells you all about it.

The title is "HP's Total System Approach to Nuclear Medicine." In 22 pages, it covers all the advantages of the new HP 5407A Scintigraphic Data System. For your copy simply send in one of the attached postcards or call your nearest HP office. Or write the Hewlett-Packard Company, 1801 California Street, Palo Alto, California 94304; Europe: 1217 Meyrin-Geneva, Switzerland.

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Independent of temperature

(see over)
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Nuclear Medicine is why the DI 650 exists. It's the only film processor conceived and dedicated to serving the specific needs of nuclear medicine. That makes the DI 650 unique. Because its design was an “inside” job. Only those intimately acquainted with your needs could understand the importance of daylight loading. (No more dark-room problems.) Or the flexibility and convenience of being used either as a desk model or a portable “on-the-floor.” Or the fact that the DI 650 needs no plumbing hook-up. It may, but need not, be batched. This processor has its own built-in heater. It’s also self-cleaning. With the DI 650 you will not have to depend on the developing facilities of other departments. All these DI 650 attributes point up to a new capability: you can choose the proper developer, regulate its temperature, and optimize film travel speed for maximum image quality. Clearly, the DI 650 Automatic Film Processor is an inside design job.

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Thyopac* 4!

packed with advantages—speed, accuracy, reproducibility.

- Sample for counting is withdrawn at equilibrium
- Temperature control is not required
- No time-critical stages
- Improved reproducibility
- Mixing time is only 30 minutes—and only one count is needed

Existing thyroxine assays involve sampling a reaction before equilibrium is reached. The Thyopac-4 test reaction rapidly reaches equilibrium, allowing the withdrawal of the counting sample independent of time and temperature considerations. This results in a more accurate and reproducible determination of thyroxine concentration.

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Our products lead, our service follows through

*Trademark
Introducing...  
the **NMS MODULAR 1000**  
...the most revolutionary new camera for nuclear medicine!

Now . . . for the first time a photographic system that can accept any size film you require — 35 mm, 70 mm, or Polaroid! Can even be adapted for 90 mm and 105 mm.

This is in addition to the superiority that made NMS’s reputation in the field — the best picture quality and definition available!

On the opposite page you will find a detailed, feature-by-feature comparison of the new NMS Modular 1000 with its closest competitor.

In the important field of nuclear medicine, superior equipment can make an enormous difference in diagnosis and scientific investigation.

**SEE US AT THE NUCLEAR MEDICINE CONVENTION**
We’ll have booths 7 & 8 and we’ll be there for demonstration and information.
Compare the revolutionary **NMS MODULAR 1000** with currently available systems.

<table>
<thead>
<tr>
<th>Features</th>
<th>NMS Modular 1000</th>
<th>Current competitive systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Film acceptance</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70mm</td>
<td>yes</td>
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</tr>
<tr>
<td>35mm</td>
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<td>no</td>
</tr>
<tr>
<td>Polaroid</td>
<td>yes</td>
<td>no</td>
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<tr>
<td><strong>Adaptability to large film</strong></td>
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<td></td>
</tr>
<tr>
<td>90mm</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>105mm</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td><strong>Image size</strong></td>
<td>variable</td>
<td>fixed</td>
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<tr>
<td><strong>Threading of film</strong></td>
<td>automatic self-threading</td>
<td>automatic self-threading</td>
</tr>
<tr>
<td><strong>Take-up cassette</strong></td>
<td>light-tight ... accepts 1-600 frames</td>
<td>light-tight ... accepts 1-100 frames</td>
</tr>
<tr>
<td><strong>Oscilloscope control</strong></td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td><strong>Pre-set count</strong></td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td><strong>Automatic film cut-off</strong></td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td><strong>Oscilloscope viewing</strong></td>
<td>direct</td>
<td>direct</td>
</tr>
<tr>
<td><strong>Remote control</strong></td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td><strong>Installation</strong></td>
<td>manufacturer installed, calibrated and tested in each laboratory</td>
<td>user installed</td>
</tr>
<tr>
<td><strong>Display of operating modes</strong></td>
<td>full display</td>
<td>ready light only</td>
</tr>
<tr>
<td><strong>Dead time</strong></td>
<td>4/100 sec.</td>
<td>3-4/100 sec.</td>
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<tr>
<td><strong>Frames per second</strong></td>
<td>10 plus</td>
<td>10</td>
</tr>
<tr>
<td><strong>Film Identification</strong></td>
<td>Electronic &amp; automatic</td>
<td>manual</td>
</tr>
</tbody>
</table>

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With over 2,000 hospitals having radioisotope facilities, we realized we were not reaching nearly enough potential users. Although our products are described in our new 56 page catalog, perhaps people just don’t have time to look through for items they want and need.

So we decided to prepare a four page brochure describing products specifically designed to provide personal protection.

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C. Griptangs
D. Vial Shield
E. Syringe Shield
F. Lead Carrying Case
G. Isoclamp
H. Wall Mount Shield Holder

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N. Dosimeter
O. Sink Module-Lead lined
P. Storage Module-Lead lined
Q. Refrigerator Module-Lead lined
R. Waste Module-Lead lined

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7 FAIRCHILD COURT ■ PLAINVIEW, NEW YORK 11803 ■ (516) 433-8010
3 new radioimmunoassay kits from Schwarz/Mann.

Plasma Cortisol Kit
Forget the conventional tedious methods. Forget the annoyance, expense, and delay of "sending it out." This simple and rapid cortisol procedure (more properly described as a Competitive Protein Binding method) can be done by every laboratory without the need for exotic equipment and special skills. In addition, it provides exquisite sensitivity, high specificity, and accuracy.

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This new kit provides a specific, sensitive, rapid and accurate procedure for human placental lactogen (chorionic somato-mammotropin) levels in serum or plasma. As such, it represents a superb new tool for the continuous monitoring of fetal health since the level of placental lactogen in maternal serum is an accurate indicator of the functional integrity of the placenta throughout pregnancy. Accordingly, this simple-to-use procedure now provides a convenient method for routinely appraising obstetric complications of placental origin.

Cyclic AMP Kit
Cyclic AMP is, of course, of great interest as an intermediary in many hormone systems. And Schwarz/Mann's new cyclic AMP radioimmunoassay kit now brings the unique advantages of these techniques—exceptional sensitivity, specificity, precision and speed—to the in vitro analysis of this compound. This procedure permits measurement of as little as a billionth of a mole or less in tissues or body fluids—even in the presence of normally interfering materials.

Radioimmunoassay: General Comment
Schwarz/Mann—the major factor in radioimm-
And then there were 10!

munoassay—now offers 10 such kits as practical, convenient tools suitable for routine research and clinical use. These simple-to-use kits include all necessary, reagents and typically offer exceptional sensitivity, specificity, rapidity, precision, and low cost.

For additional information
Complete coupon or write to Schwarz/Mann, Orangeburg, N.Y. 10962 (telephone 914-359-2700).

Schwarz/Mann, Orangeburg, New York 10962
I would appreciate further information on:

☐ Plasma Cortisol Kits
☐ Human Placental Lactogen Kits
☐ Cyclic AMP Kits
☐ Digoxin Kits [H] or [3H]
☐ Digitoxin Kits [H] or [3H]
☐ Renin Activity Kits
☐ Human Growth Hormone Kits
☐ Insulin Kits
☐ Angiotensin II Kits
☐ Gastrin Kits
☐ Thyroxin Kits
☐ Colon Cancer Antigen Kits
☐ Aldosterone Kits
☐ Testosterone Kits
☐ Glucagon Kits
☐ Prostaglandins Kits
☐ Vitamin B12 Kits
☐ I would be interested in radioimmunoassay workshops if available in my area.

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Institution__________________________________________________________
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on this size page

Sure, small scan size is a great advantage. And, there's more. One piece of film (two for anterior and posterior). One simple patient setup. One 90-minute procedure (for whole-body bone scan). One complete film for diagnostic viewing. Put it all together... and you can increase your department's scanning capabilities... with no loss of display or diagnostic detail. Scan mini-fication is a proven diagnostic scanning technique. Pioneered by Ohio-Nuclear, which can help put your department "in the black". (Scan mini-fication is available as an option in 2:1 and 5:1 ratios). Write for our new brochure, "Scan Mini-fication... a milestone in nuclear medicine technology".

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Phone: (216) 951-0900

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BOOTHs 146-147
MDS has a time-saver with an exclusive dual-camera interface...

Now you can capture, analyze and re-examine well-defined images from any camera . . . or any that's being developed. MDS has created a precise hardware-software tool from its surveys of every computer manufacturer's equipment. We've carefully chosen the most advanced hardware and combined it with a comprehensive library of display and analysis programming. The unparalleled result: no other system can outperform the MDS Nuclear Medicine System.

Its remarkable achievements are already setting industry standards. Programs for field-uniformity, data-smoothing, enhancement, and background subtraction instantly refine your studies. You can choose any time-sampling interval and store all data on disk. Retrieve the image later in milliseconds, in order to film the most clearly resolved image.

The disk retrieves stored information in milliseconds. To get any result from the disk quickly, simply tap two letters on the teletype keyboard.

You have comprehensive programmed control of the image on the scope. Divide any dynamic study into two-centimeter squares and order printouts of radioisotope uptake for any curve or curve point. Rotate image slices, specify iso-counts or isometric lines, and add or subtract frames to obtain a composite view.

Perhaps most important, the computer will simultaneously show four separate views of an organ. From this display, you can frequently make a diagnosis from the scope alone. You can also isolate areas of interest with the optional light pen, intensify them, and strip them out to be viewed by themselves.

Each component of the MDS system provides maximum versatility. You can expand it at any time to perform treatment-planning, research studies, patient scheduling, and accounting operations. And the Nuclear Medicine Module is fitted to your clinic by a medical-science team that specializes in nuclear medicine.

For more information write, phone (313-872-7373), or send the coupon below for our informative brochure that fully explains the MDS system.

Medical Data Systems Corporation
A Warner-Lambert Subsidiary
2300 Fisher Building, Detroit, Michigan 48202

Gentlemen: Mail us the MDS Nuclear Medicine System brochure. It includes live films of actual studies and demonstrates the system's total capabilities.

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Title ____________________________
Hospital _________________________
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medi+physics
5855 Christie Avenue
Emeryville, California 94608
(415) 658-2184
Bone Scintigraphy Using Fluorine-18

Pinhole Collimator-Scintillation Camera Images

Whole Body Survey
Anterior View

Close Up Images

Lumbar Spine (Posterior)
Normal

Lumbar Spine (Posterior)
Ca. Breast

Pelvis (Posterior)
Normal

Pelvis (Posterior)
Ca. Breast

Pelvis (Anterior)
Normal

Pelvis (Anterior)
Ca. Prostate

Lesions are commonly found in the axial skeleton and a complete skeletal survey should include imaging of limbs as well as trunk.5

Scintillation camera images 2 to 4 hours after I.V. administration of 2 to 4 mCi of \(^{18}\)F required 3 to 10 min. exposures each.
Radioisotopic Imaging of Bone in Clinical Medicine

Review
Various radioisotopes are known to preferentially accumulate in both malignant and benign lesions of bone. When such radioisotope accumulation is detected and imaged, using suitable instrumentation, clinically useful information is frequently obtained which cannot be readily acquired using other methods. Examples of this are the detection of primary and metastatic tumors in bone. Tumors metastatic to bone most commonly spread to spongy (trabecular) bone. Such lesions can be visualized by X-ray examination only when they are greater than 1.5 cm in diameter and 50% to 75% of the local calcium is lost.\(^1,2\) Localization of radioisotopes in the region of metastases has been shown to be an earlier and more sensitive indicator of the presence of bone metastases than that provided by conventional radiographic techniques.\(^3\) While Strontium-85 was the radioisotope used most commonly in initial studies, subsequent evaluations have shown fluorine-18 to be a superior radioisotope since its use results in both improved image quality and markedly lower radiation dose to the patient.\(^4,5,6,7\)

Indications
The suspicion of malignant neoplastic involvement of bone, either primary or metastatic, is the principal indication for performance of a radioisotopic study of bone. Such a possibility should be considered in the primary evaluation of patients with a diagnosis of malignant tumors of the breast, lung, stomach, prostate gland, thyroid gland, and other carcinomas which commonly spread to bone, and in evaluating the extent of involvement of primary bone tumors, multiple myeloma, etc. Such studies should be particularly useful in patients in whom extensive surgery is proposed for the possibility of total extirpation of neoplastic tissue, since demonstration of a previously unrecognized metastasis may influence the proposed therapy. Lymphomas, such as Hodgkin's disease, frequently involve bone, and it has been recommended that patients with these disorders have radioisotopic skeletal surveys as a part of their initial staging.\(^8\) Subsequent to initial evaluation of patients with various carcinomas and sarcomas, periodic radioisotopic skeletal surveys may be useful in demonstrating presence and extent of bone lesions. A large number of nonmalignant conditions can result in abnormal deposition of radioisotopes in bone (arthritis, fractures, osteomyelitis, Paget's disease, etc.). Whether sufficient beneficial information can be obtained from the performance of a radioisotopic bone study in patients with these non-neoplastic diseases to warrant the performance of such a study remains to be established.

Hazards
There are no reported cases of adverse reaction to the administration of carrier-free fluorine-18 in isotonic saline solution. The radiation dose received by the patient in association with a typical fluorine-18 bone study is considered comparable to that which would receive from similar X-ray studies.

For further information call collect (415) 658-2184
5855 Christie Avenue, Emeryville, California 94608
Your eyes are great but your brain is better.

Staring at a supposed lesion on a scintigram is one thing; knowing its count rate is quite another. Some scintillation cameras ask you to base your diagnosis exclusively on a picture. Dynacamera™ 2 goes far beyond this and gives you the numbers.

You can precisely determine lesion count vs. normal surrounding tissue count. Or count one region vs. another. With Dynacamera 2.

You can provide a referring physician with comparative quantitative data. (Ideal for eyes not as expert as yours in judging scintigrams.)

Such quantitation is the inevitable next advance in confident diagnosis with a scintillation camera. And it's available now with the Dynacamera 2. No one else offers it.

Obviously we quarrel not with Dr. Sam Johnson who said: "...to count is a modern practice, the ancient method was to guess."

Finally, this is just one of many ways in which the Dynacamera 2 provides you with what you want most: maximum diagnostic certainty. What else, after all, is there?

Very valuable for looking at scintigrams. Except for the situations when one's eyes may be deceived.

Speak to your local Picker man or drop us a line. We'll forward detailed information on the Dynacamera 2 and a series of Dynacamera 2 "application data sheets." Picker Corporation, Dept. A12, 333 State Street, North Haven, Connecticut 06473.

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Radiopharmaceutical Division

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long after
the patient leaves
your department...

more diagnostic
information is at
your fingertips

Consider a situation like this:
The scanning procedure is completed. Film processed;
and, probably exposed satisfactorily. Maybe a little
under, maybe a little over what you'd like.
Still, you have some patient count information in hand.
Fine. Except, what you see is all you get for interpretation
and diagnosis. Unless you reset the instrument. Then
re-scan the patient. Time. Bother. And unnecessary.

Now the General Electric Videodisplay and Processing
unit, with patient count data displayed in full-count,
fully-functional color, has changed all that.

General Electric Videodisplay provides unlimited
image/information manipulation without rescanning. Like this...
These images are of a liver/pancreas dual isotope scan. Each is a manipulation, displayed on the face of a color TV screen.

GE’s Videodisplay color change is instant, reproducible and can be manipulated even after the patient has left the room.

The gold isotope, only, is displayed here, with intensity manipulated to 1/4 scale (4 counts per cell instead of 32). Makes more colors discernible; aids interpretation and diagnosis.

The selenium isotope, selected here, is displayed at 1/4 scale and with more background subtracted because it displays at least twice as many counts as gold. Note the pancreas appearing beneath the liver.

This isotope subtraction manipulation reveals the pancreas; displays only two colors with various intensities. Gold is subtracted to the point where the isotope counts have been normalized (equal).

A single isotope scan display, with several colors eliminated, has an area of interest enclosed within X, Y cursor lines. Area size and shape are adjustable and moveable. Scaler displays only the count of the colors within the box.

Lower counts may not be of clinical interest. The color scale can start at any count level, by turning the thumb-wheel. Thus it is possible to show a dynamic range of 64 shades. Here the image starts at 12 counts (shown at indicator).

View any scan in shades of gray, instead of color, by pressing the B & W button. Each shade represents a specific number of counts in each cell; can be manipulated just like color display.
Now, a better way to view patient counts

Blue isn't green. Green isn't yellow. Yellow isn't red. No matter how pale or vivid a color, the eye notes a definite difference. Variances in shades of gray, though detectable, can never be so definitely discernible.

The General Electric Videodisplay and Processing Unit starts with this basic fact. Then makes color fully functional. And manageable, with the push of a button or turn of a thumbwheel, to enhance any desired details in the scan. Literally provides more ways to look at, or for, suspected pathology.

During a scanning procedure, the patient counts detected are recorded and stored in the Videodisplay's electronic memory. The actual number of counts in each memory cell is then represented by one of eight vivid, distinct colors. Combined into an image of the organ scanned, they're ready for instant display on a video monitor. The result is true electronic visualization of the accurate count data at every point of the scan.

The series of scan manipulations, shown and briefly explained at left, demonstrates the Videodisplay unit's broad range of data versatility. For each image or area of interest displayed, a continuous digital readout of counts is shown at the scaler.

And, as you consider each scan display, remember: the scanner was set up only once. The patient was scanned only once. Yet the manipulation capability of the patient data from that one scan is virtually unlimited. And, can be performed any time. As long as the information remains in the unit's memory, it's always fully and immediately recoverable.

For added diagnostic flexibility, any scan can be photographed, directly from the monitor, for patient records. And any scan in the memory can be recorded on cassette tape, in only 40 seconds. Feed it back into the memory just as fast. Whether taped or in the memory, any scan can be transmitted to any other Videodisplay unit over regular telephone lines. Then can be independently manipulated at each unit.

Let the GE Videodisplay add this information versatility to your scanning procedures. Talk with your GE medical systems representative soon.

Use Videodisplay with virtually any scanner or camera. Operates on-line with the GE single probe or whole-body digital scanner. And, with attachments, can easily interface with other digital or analogue scanner or camera to extend your diagnostic information capability.

General Electric Medical Systems, Milwaukee and Toronto. In Europe, Elscint GmbH, Wiesbaden; Elscint France SARL, Buc.

See the Videodisplay unit, and other GE instruments, at the meeting of the Society of Nuclear Medicine, in Boston, July 11-14.
3 RADIATION TECHNICIAN I (NUCLEAR MEDICINE) required by SASKATCHEWAN CANCER COMMISSION

(Two for Allan Blair Memorial Clinic, Grey Nuns' Hospital, Regina; one for Saskatoon Cancer Clinic, University Hospital, Saskatoon.)

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LXVIII

JOURNAL OF NUCLEAR MEDICINE
You defined it, we designed it:

the tapered body of our new sterile Tc 99m generator.

At The Radiochemical Centre we believe in meeting the customer’s needs exactly. So, before designing our new sterile technetium-99m generator, we asked users of sterile generators to define precisely the improvements they would like to see. First on the list of improvements was a smaller elution volume with a higher radioactive concentration, making bolus injection a feasible operation if required.

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Also included in the body is an improved filter system, using nylon mesh instead of sintered glass—making for more reliable elution with fast reproducible flow, and no blockage by particles. Finally, we chose plastic as the material for the body, because it is tougher than glass and eliminates the risk of radioactive contamination due to breakage during transport and handling.

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The generator is free-standing, takes up the minimum amount of space on the laboratory bench, and requires no elaborate extras. It allows you, the user, full control over a safe and reliable system which can be used to deliver the daughter isotope in discrete fractions of maximum radioactive concentration.

Further information on the new sterile technetium-99m generator is available on request.

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- November 6, 1972  January 15, 1973
- December 4, 1972  February 12, 1973

Sessions will be five days each, Monday through Friday. Subject materials will be intermixed and cumulative.

For further information and registration forms, contact:

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