Positron Emission Tomography is a revolutionary imaging modality that will give your institution a diagnostic advantage.

A PET system from Siemens will give you the advantage of diagnostic confidence. Confidence in the largest installed PET base. Confidence in ten's of thousand's of PET studies, and most importantly, confidence in a PET system, offered by the world's largest supplier of medical equipment!

Not another generation... but a whole new dimension for PET IMAGING!

The ECAT® from Siemens is a PET imaging system, so simply superb, it's unsurpassed in the realm of cardiac, neurologic, oncologic and psychiatric applications!

▲ Smallest commercial detectors provide:
  • Superior image quality with 5 mm 3D resolution
  • Highest volume sampling with 31 image planes over 10.8 cm FOV
  • Accurate quantification with reduced partial volume effect

▲ Scatter subtraction and pulse pile-up rejection for superior image quality

▲ Built in detector diagnostics guaranteeing reliability and performance

▲ Sun® 4/60 SPARCstation 1® provides:
  • Multiwindow capability for simultaneous acquisition, reconstruction, and analysis
  • 12.5 MIPS processing power
  • Flexible Networking

ECAT, the Heart and Mind of Medicine's Future!

Siemens Medical Systems, Inc.
2501 Barrington Road  Hoffman Estates, IL 60195
(708)304-7252

Siemens... technology in caring hands

Image courtesy of R. Frackowiak, M.D.
London, England
The Competition Orders Out. We Make It Ourselves.

Introducing the Capintec CRC-15R Dose Calibrator, from the company that makes it themselves.

Top line technology...bottom line affordability

From the company that for 25 years has developed and manufactured over 30 different models of state-of-the-art calibrators, sold more than 15,000 units and created the most comprehensive technical service and support system available.

- The CRC-15R is the most advanced dose calibrator available at any price.
- Fastest activity measurement.
- Large, easy-to-read display indicating:
  - Nuclide Name and Number – Activity – Unit of Measure.
- Preset and user defined radionuclide keys.
- Over 200 radionuclide selections available.
- Unique decay calculation provides activity measurement pre and post calibration.
- Complete built-in dose calibration QC and self diagnostics.
- Upgradeable
- Optional printer allows for printed results on a syringe/vial label.
- Backed by the most comprehensive service and support program in the industry.

For more information about how the CRC-15R can raise department standards at low cost, call today:
(201) 825-9500, TOLL FREE: 1-800-631-3826

CAPINTEC, INC.
6 Arrow Road, Ramsey, N.J. USA 07446
Toll Free (800) 631-3826 or (201) 825-9500
FAX: (201) 825-1336
Telex: 642375 (Capintec Rasy)
NUCLEAR MEDICINE
Instruments and Accessories

FOR QUALITY ASSURANCE  PATIENT PROCEDURES  RADIATION MONITORING AND PROTECTION

New! COMP-U-CAL II
Computerized Radioisotope Calibrator
with Built-In Moly-Shield

Dynamic Cardiac Phantom

PET/SPECT Phantom

Syringe & Vial Shields

WE CARRY A COMPLETE LINE OF
NUCLEAR MEDICINE PRODUCTS

For more
information on
these and other
Nuclear Medicine
products, request
Catalog M-36

NUCLEAR ASSOCIATES
Division of VICTOREEN, INC.
100 VOICE ROAD • P.O. BOX 349
CARLE PLACE, NY 11514-0349 U.S.A.
(516) 741-6360 • FAX (516) 741-5414

VICTOREEN

Circle Reader Service No. 60
The wait is over
**I.V. PERSANTINE**
(dipyridamole USP) Injection 5mg/ml

...IS NOW

Persantine® is a registered trademark of Boehringer Ingelheim International GmbH. I.V. Persantine® is manufactured and distributed by Du Pont under license from Boehringer Ingelheim Pharmaceuticals, Inc.

Circle Reader Service No. 26
This Program and a Personal Computer is the answer to meeting your management needs ... and much more.

NUCLEAR MEDICINE CONSULTING FIRM
P.O BOX 824, GREENVILLE, PA 16125

PHONE: 412/932-5840/5430  FAX: 412/932-3176

Circle Reader Service No. 63
Introducing a new renal agent that gives you both...

Renal images.

Renal tubular function measurements.
For the first time, there's a technetium-based renal agent that not only gives you high-quality images, but renal function measurements as well. It's TECHNESCAN MAG3™.

Superior imaging quality
TECHNESCAN MAG3™ will redefine quality renal imaging for you. In comparative studies with I-131 OIH (iodohippurate sodium I-131 injection), image quality with TECHNESCAN MAG3™ was uniformly superior.¹² TECHNESCAN MAG3™ offers high renal extraction efficiency and minimal extrarenal excretion.

The first Tc99m-based tubular function agent
The renal clearance of TECHNESCAN MAG3™ is similar to that of iodohippurate, which makes it a suitable alternative to I-131 OIH for renal function studies. Renogram curves obtained with TECHNESCAN MAG3™ were comparable to those seen with I-131 OIH in comparative studies.¹²

The advantages of technetium
As a technetium-labeled agent, TECHNESCAN MAG3™ offers key advantages over I-123 OIH or I-131 OIH. These include ready availability in cold-kit form, much shorter half-life (6.02 hours, vs 13.13 hours for I-123 and 8.04 days for I-131), and lower radiation dose per mCi administered. (Total body absorbed dose [rad/mCi]: Tc99m = 0.0027, I-131 = 0.039, I-123 = 0.023.) The typical dose of TECHNESCAN MAG3™ required in renal function and imaging studies is 5 to 10 mCi.

Complete imaging with one agent
If you've been looking for a renal imaging agent that combines the safety and convenience of technetium with the physiological properties of iodohippurate, TECHNESCAN MAG3™ is for you. No other renal agent can match its versatility.
**INDICATIONS AND USAGE**

Technetium Tc 99m mercatidate is a renal imaging agent. In addition, it is a diagnostic aid in providing renal function, split function, renal angiograms and renogram curves for whole kidney and renal cortex.

**CONTRAINDICATIONS** None known.

**WARNINGS** None known.

**PRECAUTIONS**

**General**

The contents of this kit are not radioactive. However, after sodium pertechnetate Tc 99m is added, adequate shielding of the final preparation must be maintained.

Contents of the reaction vessel are intended only for use in the preparation of technetium Tc 99m mercatidate and are NOT TO be administered directly to the patient.

To help reduce the radiation dose to the bladder, as well as other target organs, the patient should increase his or her fluid intake (unless medically contraindicated) and void as often as possible after the injection of technetium Tc 99m mercatidate for six hours after the imaging procedure. Technetium Tc 99m mercatidate should not be used more than six hours after preparation.

The components of the kit are sterile and nonpyrogenic. It is essential that the user follow the directions carefully and use aseptic procedures normally employed in making additions and withdrawals from sterile, nonpyrogenic containers during the addition of pertechnetate solution and the withdrawal of doses for patient administration.

The technetium Tc 99m labeling reactions involved in preparing Technescan MAG3™ depend on maintaining the stannous ion in the reduced state. Any oxidant present in the sodium pertechnetate Tc 99m may adversely affect the quality of the radiopharmaceutical. Therefore, sodium pertechnetate Tc 99m containing oxidants should not be employed.

All in the use of any other radioactive material, care should be taken to ensure minimum radiation exposure to the patient and to occupational workers.

Radiopharmaceuticals should be used only by physicians who are qualified by specific training in the safe use and handling of radionuclides produced by nuclear reactor or particle accelerator and whose experience and training have been approved by the appropriate government agency authorized to license the use of radionuclides.

Carcinogenesis, Mutagenesis, Impairment of Fertility No long term animal studies have been performed to evaluate carcinogenic or mutagenic potential, or whether this drug affects fertility in males or females.

Pregnancy Category C Animal reproduction studies have not been conducted with technetium Tc 99m mercatidate. It is also not known whether this drug can cause fetal harm when administered to a pregnant woman or can affect reproductive capacity. Technetium Tc 99m mercatidate should be given to a pregnant woman only if clearly needed.

Ideally, examinations using radiopharmaceuticals, especially those elective in nature, of a woman of childbearing capability should be performed during the first few (approximately 10) days following the onset of menses.

Nursing Mothers Technetium Tc 99m is excreted in human milk during lactation, therefore, formula feedings should be substituted for breast feeding.

Pediatric Use Safety and effectiveness in children have not been established.

**ADVERSE REACTIONS** None known.

**RADIATION DOSEMETRY** The estimated radiation doses1 to the average adult (70 kg) from an intravenous administration of 185 MBq (5 mCi) and 370 MBq (10 mCi) technetium Tc 99m mercatidate are presented in Table 1. These radiation absorbed dose values were calculated using the Medical Internal Radiation Dose Committee (MIRD) Schema.

**Table 1**

<table>
<thead>
<tr>
<th>Organ</th>
<th>Urinary Bladder Wall</th>
<th>Upper Large Intestine Wall</th>
<th>Gallbladder Wall</th>
<th>Lower Large Intestine Wall</th>
<th>Kidneys</th>
<th>Small Intestine</th>
<th>Ovaries</th>
<th>Liver</th>
<th>Red Marrow</th>
<th>Testes</th>
<th>Total Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absorbed Dose(mGy/MBq)</td>
<td>24</td>
<td>0.94</td>
<td>0.81</td>
<td>1.6</td>
<td>0.72</td>
<td>0.81</td>
<td>1.3</td>
<td>0.18</td>
<td>0.24</td>
<td>0.81</td>
<td>0.33</td>
</tr>
<tr>
<td>(mrad/MBq)</td>
<td>2.4</td>
<td>0.094</td>
<td>0.081</td>
<td>0.16</td>
<td>0.072</td>
<td>0.081</td>
<td>0.13</td>
<td>0.018</td>
<td>0.024</td>
<td>0.081</td>
<td>0.033</td>
</tr>
<tr>
<td>(mrad/MBq)</td>
<td>48</td>
<td>1.9</td>
<td>1.6</td>
<td>3.3</td>
<td>1.4</td>
<td>1.6</td>
<td>2.6</td>
<td>0.36</td>
<td>0.48</td>
<td>1.6</td>
<td>0.67</td>
</tr>
<tr>
<td>(mrad/MBq)</td>
<td>4.8</td>
<td>0.19</td>
<td>0.16</td>
<td>0.33</td>
<td>0.14</td>
<td>0.16</td>
<td>0.26</td>
<td>0.036</td>
<td>0.048</td>
<td>0.16</td>
<td>0.067</td>
</tr>
</tbody>
</table>

*Assuming patient voids at 4.8 hour intervals

1Oak Ridge Associated Universities, Oak Ridge, Tennessee

References:

---

The long-awaited 2nd edition of

**SPECT: A Primer**

has been published.

It is available to members at $20; to non-members at $25.

Please see the ad in this issue on page 56A for details.
OUR NUCLEAR IMAGING SYSTEMS
NOW COME IN THREE SPEEDS:
FASTEST, FASTEST AND FASTEST.
Before, our three-head PRISM™ was merely the fastest. But now with two new systems, the one-head PRISM 1000™ and two-head PRISM 2000™, we've added two more speeds. Fastest. And fastest.

Like our current PRISM 3000, our new PRISM systems are incredibly quick. Reconstructing a 64 x 64 slice literally 4 times faster than other nuclear computers on the market.

Their 1/4-second reconstruction time, and the resulting accelerated throughput they create, are due to their unsurpassed hardware and software.

Parallel and integral vector processing gives the ODYSSEY™, the PRISM visual supercomputer, unprecedented power and speed for long-range versatility. And its ability to network gives you faster physician review.

Both our new PRISMs are capable of superb whole body, SPECT and planar imaging. An enlarged 20* x 15* rectangular FOV requires fewer scans, while the smallest footprint in the industry maximizes space. And predefined setups encourage easy, push-button operation.

PRISM 1000, 2000 and 3000. Clear victors in the race against time. Again, and again, and again.

For more information on the new PRISMs, call us at 1-800-323-0550. Or write: Picker International, Inc., 595 Miner Road, Dept. CC, Cleveland, OH 44143.
IN A FOG??

using aerosols to determine the patency of the pulmonary airway system? Use a gas (that's what the airway system is for), and Xenon (127 or 133) are gases which are safe, economical and easy to administer with the XENAMATIC™ 3000.

- Shielded for Xe 127 and Xe 133 (radiation profile available on request).
- World's only system that allows you to study patients on Ventilators.
- Largest and most efficient Xenon trap with a built-in monitor alarm system.
- Built-in O₂ monitor with digital display and control.
- A rebreathing system that saves Xenon.
- Low breathing resistance so you can study sick patients.
- Semi-automatic operation.
- Remote Control Capability.

Get out of the FOG-making business, and call today for more information on putting gases where gases belong, with the XENAMATIC.

Also available, Model 2000.

For more information, please call or write,

DIVERSIFIED DIAGNOSTIC PRODUCTS, INC.
11603 Windfern
Houston, TX 77064
713-955-5323
The 1991 Scientific Program Committee, Scientific Exhibits Subcommittee, and the Scientific & Teaching Sessions Committee solicit the submission of abstracts from members and nonmembers of The Society of Nuclear Medicine for the 38th Annual Meeting in Cincinnati, OH. Abstracts accepted for the program will be published in a special supplement to the May issue of The Journal of Nuclear Medicine and accepted. Technologist Section abstracts will be published in the June issue of the Journal of Nuclear Medicine Technology. Original contributions on a variety of topics related to nuclear medicine will be considered, including:

- **INSTRUMENTATION AND DATA ANALYSIS**
- **RADIOASSAY**
- **RADIOPHARMACEUTICAL CHEMISTRY**
- **DOISIMETRY/RADIOBIOLOGY**
- **NUCLEAR MAGNETIC RESONANCE**
- **CLINICAL SCIENCE APPLICATIONS**
  - Bone/Joint
  - Cardiovascular (clinical and basic)
  - Endocrine
  - Gastroenterology
  - Neurology (clinical and basic)
  - Oncology (non-antibody)
  - Immunology (antibody)
  - Pediatrics
  - Pulmonary
  - Renal/Electrolyte/Hypertension
  - Hematology/Infectious Disease

Authors seeking publication for the full text of their papers are strongly encouraged to submit their work for immediate review to the JNM and for the technologist section to the JNMT.

**Deadline for receipt of abstracts for Scientific Papers is Tuesday, January 8, 1991.**

**Deadline for receipt of abstracts for Scientific Exhibits is Tuesday, January 15, 1991.**

The official abstract form may be obtained from the October 1990 issue of the JNM or by calling or writing:

**The Society of Nuclear Medicine**
**Att: Abstracts**
**136 Madison Avenue**
**New York, NY 10016-5760**
**Tel: (212) 889-0717**
**FAX: (212) 545-0221**

---

**Panasonic TLD BADGES PREVENT FILM BADGE MELTDOWN.**

If you've ever left a film badge on a hot dashboard, you know they can't take the heat.

Panasonic TLD badges, on the other hand, won't wilt even at 350°F. And they're still reliable after 200 uses.

To learn more about today's only completely integrated TLD product line, call 1-800-848-3979. Or write Panasonic Industrial Company, Radiation Measurement Systems, Two Panasonic Way (7E-4), Secaucus, NJ 07094.
New excellence in dose calibration ...

Now from Atomic Products — the first dose calibrators ever to earn the ATOMLAB nameplate and the first in the industry to carry a full two-year warranty! The ATOMLAB 100 Dose Calibrator features automatic zeroing and ranging, push-button ease of operation and readings in units of Curies or Becquerels. The ATOMLAB 200 is a complete system with all the features of the 100 plus automatic inventory control, radiopharmaceutical quality assurance, future dose preparation, dot matrix plain paper printer and much more. Call or write for complete details on the ATOMLAB 100 and 200!

ATOMLAB Dose Calibrators ... with unsurpassed repeatability, accuracy, linearity, geometry and an unprecedented 2-year warranty, are the right answer for nuclear medicine!
The Core of the Future is Here Today.

The Precision MICRO-CAST COLLIMATOR by NUCLEAR FIELDS

Representing a quantum advance in collimator core design. A new standard in imaging performance by all critical criteria.

Reduces Common Artifacts Before Entering the System

- Reduced penetration and scatter
- Perfect non-polarization
- Improved linearity
- Uniform tunnel angularity
- Improved resolution and edge definition

Micro-cast solid core construction yields up to 50% increased sensitivity over traditional foil fabricated collimators, without loss of resolution.

Special Prices Available on Re-Coring Unused or Damaged Collimators
Models available for all Gamma Cameras
Parallel • Slant-Hole • Diverging • Converging • Pin-Hole • Thyroid
Point-Focusing • Fan-Beam • Bone-Densitometry • Prototype designs

NUCLEAR FIELDS
320 N. MICHIGAN AVE. SUITE 2100 • CHICAGO, ILLINOIS 60601 • TELEPHONE (312) 743-2680 • FAX (312) 743-2786

SNM 38th Annual Meeting Critical Dates

<table>
<thead>
<tr>
<th>ITEM</th>
<th>FORM INCLUDED IN JNM</th>
<th>DUE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstract Form</td>
<td>October Issue</td>
<td>1/08/91</td>
</tr>
<tr>
<td>Scientific Papers</td>
<td></td>
<td>1/15/91</td>
</tr>
<tr>
<td>Scientific Exhibits</td>
<td></td>
<td>4/15/91</td>
</tr>
<tr>
<td>Works-in-Progress</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration Form</td>
<td>November Issue</td>
<td>5/17/91</td>
</tr>
<tr>
<td>Housing Form</td>
<td>December Issue</td>
<td>5/17/91</td>
</tr>
</tbody>
</table>

DON'T FORGET THE MID-WINTER MEETING IN TAMPA, FL

TITLE: New Horizons in SPECT, PET and Computers
DATE: February 4–5, 1991
LOCATION: Hyatt Regency Westshore, Tampa, Florida
SPONSOR: The Computer and Instrumentation Council
Did You Receive the Abstract Form in the October JNM?

In November the Registration Form was mailed with your November JNM

AND

In December the Housing Form was included with your December JNM

If you have missed any of these forms, or require additional forms, please contact us at the phone number, fax number and/or address given below.

Call or write

The Society of Nuclear Medicine
136 Madison Avenue
New York, NY 10016
(212) 889-0717
Fax: (212) 545-0221
Attn: Meeting Services Dept.

Don't expect a film badge to make delicate radiation measurements. Or to continue working in extreme environments.

The nuclear power industry learned this long ago. That's why they've made Panasonic their vendor of choice for TLD badges, readers and software.

The entire Panasonic product line has been designed to help you pass NVLAP and DOELAP certification with ease. To learn more call 1-800-848-3979. Or write Panasonic Industrial Company, Radiation Measurement Systems, Two Panasonic Way (7E-4), Secaucus, NJ 07094.
AMR's AccuSync provides R-wave detection with precision and reliability. The finest R-wave Triggering device available for computerized gated cardiac studies.

**AccuSync-5L Features**

- Isolation Amplifier for Patient Safety
- Digital CRT Monitor
- ECG Strip Chart Recorder
- Heart Rate/R-R interval
- Trigger Pulse LED
- Trigger Control for Ease of Lead Placement and Precise Location of Trigger Pulse
- R-Trigger Output, Compatible with all Computers
- No Delay
- ECG Output
- Playback Mode (optional)
- Event Marker (optional)
- Audio Indicator

**MODEL**

**AccuSync-6L**

All AccuSync-5L features with the exception of the Strip Chart Recorder.

**AccuSync-1L**

All AccuSync-5L features with the exception of the Digital CRT Monitor.

**AccuSync-3R**

All AccuSync-1L features with the exception of the Strip Chart Recorder and Playback Mode.

**AccuSync-4R**

All AccuSync-3R features with the exception of the Heart Rate/R-R interval display.
WHOLE BODY POSITRON SCANNER BASED ON LARGE-AREA POSITION-SENSITIVE DETECTORS

- Equal resolution in all 3 directions combined with fine axial sampling allows reslicing into coronal, sagittal and oblique sections.

- Large axial field of view (12.8 cm) and no gantry motion, such as wobbling, permits gated cardiac imaging and fast dynamic studies without sampling problems.

- 64 transverse slices and 2 mm spacing gives superior quantitative accuracy by eliminating partial volume effect.

- Superior energy resolution of sodium iodide detector material allows use of large acceptance angle without septa for high sensitivity and low scatter fraction.
QUALITY ASSURANCE
Resource Manual for Nuclear Medicine

This new publication from the Technologist Section is a comprehensive guide to implementing and maintaining a quality assurance program in any size hospital or medical center.

The QA Manual is both a teaching tool and a guidebook. It features:

• Sample QA Plan
• Sample Data Collection Forms
• Training Exercises

Learn how to identify and document QA problems, monitor activities, and take corrective action through the QA process.

Develop plans for medical staff and technologists to work in tandem to produce the highest level of QA.

Receive invaluable aid in preparing for external QA reviews, including strategies for compliance with JCAHO QA standards.

THE SOCIETY OF NUCLEAR MEDICINE • Book Order Department
136 Madison Avenue, New York, NY 10016 • (212) 889-0717 • Fax: (212) 545-0221

Contributing Authors: Susan Gilbert, Adrian D. LeBlanc, Robert Schleipman, James E. Silvers, Donald E. Widmann, Brenda Woods.
Policy—The Journal of Nuclear Medicine accepts classified ads from medical institutions, groups, suppliers, and qualified specialists in nuclear medicine. Acceptance is limited to Positions Open, Positions Available, and Equipment. We reserve the right to decline, withdraw, or modify advertisements.

Rates for Classified Listings—$8.00 per line or fraction of line (approx. 50 characters per line, including spaces). Please allow 28 characters for the first line which will be typeset in capital letters. Special rates for SNM members on Positions Wanted: $3.00 per line. Note: Box numbers are available for the cost of the 2 lines required.

Rates for Display Ads—Agency commissions are offered on Classifieds only.
Full page $1300 Quarter page $500 Half page $750 Eighth page $250

Terms—Payment must accompany order. Make checks payable, in U.S. dollars on U.S. banks only, to: The Society of Nuclear Medicine.
Deadline—First of the month preceding the publication date (January 1 for February issue). Please submit classified listings typed double spaced. No telephone orders are accepted.

Send copy to:
 Classified Advertising
The Society of Nuclear Medicine
136 Madison Avenue
New York, NY 10016-5760
(212) 889-0717
FAX: (212) 545-0221

Positions Available

Faculty
NUCLEAR CARDIOLOGIST/NUCLEAR MEDICINE PHYSICIAN: Position faculty in active expanding program at 3400 Swindley Street, Philadelphia, PA. Fellowship training in Cardiology Division, Department of Medicine, Hahnemann University available July 1, 1991. Priority given to candidates with BE/BC in Internal Medicine or Cardiology. NRC license/eligibility required. Academic rank, position and compensation commensurate with qualifications. Please reply to: Eric L. Michelson, MD, Hahnemann University, M.S. 470, Broad & Vine, Philadelphia, PA 19102-1992.

Fellowship
FELLOWSHIP in nuclear medicine, University of Miami School of Medicine, Miami, Florida. Clinical and research fellowship in nuclear medicine starting July 1, 1991. The fellowship is integrated with University and adjacent Hackensack University Medical Center Hospitals. Research opportunities include basic science and clinical work with new single photon emitting brain blood flow agents. A strong nuclear radiochemical pharmacology laboratories. Facilities include basic science laboratories, full SPECT imaging systems at both hospitals, and opportunities for CT, ultrasound, and MR imaging correlations. Clinical program has strong cardiovascular nuclear medicine emphasis. Candidates must be Board certified or eligible in nuclear medicine. Send letter of interest (including list of references) to: Richard A. Holmes, MD, Chief of Nuclear Medicine, University of Miami, and Clinics, 2199 Northwest Medical Sciences, 1 Highway Drive, Columbia, MO 65212. (314) 443-2311, ext. 6575. EOE.

FELLOWSHIP in BRAIN SPECT IMAGING—The Department of Radiology at the Brigham and Women's Hospital/Harvard Medical School, has an opening for one fellow, and an optional second year, in brain imaging. The program has a dedicated system for brain imaging and four rotating-bed GE units. The department does approximately 1,000 brain SPECT examinations per year. Six years of post-graduate training, including a year in tumor seeking, and blood pool studies. Ongoing research areas include dementia, substance abuse, tumor detection and localization, and neurocognitive, and cerebrovascular disease. Please send curriculum vitae to: B. Leonard Holman, MD, Chairman, Department of Radiology, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115. Brigham and Women's Hospital/Harvard Medical School is an affirmative action/equal opportunity educator and employer.

The Division of Nuclear Medicine of the Department of Radiology of the University of Pennsylvania is offering a 1-2 year FELLOWSHIP in BRAIN IMAGING RESEARCH. This Fellowship includes training in both clinical applications and PET, SPECT, MRI and NMR spectroscopy in CNS disorders. Previous training in Nuclear Medicine or in Neurology at the resident level is preferred. For further information, contact: Abass Alavi, MD, Chief, Division of Nuclear Medicine, One Donner Bldg., Hospital of the University of Pennsylvania, 3400 Spruce St., Philadelphia, PA 19104. The Hospital of the University of Pennsylvania is an Affirmative Action/Equal Opportunity employer.

Physician
NUCLEAR MEDICINE STAFF POSITION. Candidate with strong interest in research and academic career to join an active and well-equipped nuclear medicine laboratory. Excellent research and clinical facilities are available and include PET and SPECT. Candidates must be board eligible as certified in nuclear medicine. For further information, please contact Abass Alavi, MD, Chief, Division of Nuclear Medicine, Hospital of the University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104. EOE.

NUCLEAR MEDICINE PHYSICIAN. The Permanent Medical Group's South Carolina facility is currently seeking a Nuclear Medicine Physician for this full-time position. We have two MD's. Our teaching hospital has academic affiliation with Stanford University, and is active in SPECT. We require experience in thyroid disease. For more information, call Norton Snyder, MD at (408) 234-4590 or send your CV to Kaiser Foundation Hospital, 900 Kiely Blvd., Santa Clara, CA 95051. EOE.

NUCLEAR CARDIOLOGIST BC/BE—To join dynamic, progressive group of eight cardiologists in major northeast Florida coastal city. Active Nuclear Program & PET scan facility. Prefer three-year fellowship with nuclear emphasis and teaching/clinical experience. Position requires full range of invasive/outpatient non-invasive cardiology skills. Send CV to: Pamela J. Hoest, CEO, Jacksonville Cardiovascular Clinic, 3900 University Boulevard South, Jacksonville, Florida 32216 or FAX to (904) 753-7028.

NUCLEAR MEDICINE DIRECTOR—Roswell Park Cancer Institute is seeking a Director of Nuclear Medicine with interest in both clinical and research aspects of multimodality cancer imaging and immunodiagnosis. The modernization of the entire Radiology and Nuclear Medicine Department includes plans for a new PET/CT scanner, a new Positron Emission Tomography in conjunction with MRI and SPECT/PET. Potential for clinical interaction is excellent. Strong and well-trained cardiac and brain imaging facility; new hybrid PET/MRI/CT scanner will be acquired. Strong interest in PET and SPECT imaging in oncology, and other disease processes is required. We are seeking a leader who is a proven manager within a large academic/research institution. Send curriculum vitae to: Mrs. Carolyn J. L. Petrelli, MD, Associate Chief, Department of Surgical Oncology, Roswell Park Cancer Institute, Elm and Carlton Streets, Buffalo, New York 14263. Roswell Park is an Affirmative Action/Equal Opportunity Employer.

NUCLEAR MEDICINE PHYSICIAN. Progressive seven-man group seeks to add a Nuclear Medicine (special competency preferred) fellowship-trained Radiologist for its growing practice. This expanding practice is hospital- and recently full-service imaging center-based. Both institutions use leading edge technology. This is a highly visible position. Applicants must have strong interest in clinical imaging and research. Please send curriculum vitae to: Ms. Dawn A. Breslin, Administration, 5135 Veterans Pkwy, Syracuse, NY 13210 (315) 633-9966. EOE.

NUCLEAR MEDICINE PHYSICICIAN POSITION available in the Department of Radiology at Henry Ford Hospital for board certified or board eligible candidates who have completed a fellowship in nuclear medicine. Strong background and programming skills desired in this expanding Nuclear Medicine Division with seven currently employed physicians. Position available to provide coverage for clinical activities including quality control and the teaching of Radiology and Nuclear Medicine residents. Excellent programmatic support, including quality control and the teaching of Radiology and Nuclear Medicine residents. Excellent programmatic support, including quality control and educational activities. Position requires good performance, image quality and quantity, collaboration, and good performance, standby angiography, and the teaching of Radiology and Nuclear Medicine residents. Excellent programmatic support, including quality control and educational activities. Position requires good performance, image quality and quantity, collaboration, and educational activities.

NUCLEAR MEDICINE PHYSICIAN. A position is available for a physicist specializing in either positron emission tomography or single photon emission tomography, depending upon qualifications. This position will be in an active research group in Nuclear Medicine, and is expected to be involved in the study and development of medical imaging equipment. Application is invited. Responsibilities include research and development of medical imaging systems, radiation safety, and participation in the review and development of new equipment and techniques. Applications should be submitted to: Dr. K.C. Karvelis, Director, Division of Nuclear Medicine, Henry Ford Hospital, 7299 W. Grand Boulevard, Detroit, MI 48202 or fax: (313) 876-2080. Henry Ford Hospital is an equal opportunity employer.

NUCLEAR MEDICINE PHYSICIAN. A position is available for a physicist, specializing in either positron emission tomography or single photon emission tomography, depending upon qualifications. The candidate will be an active research group in Nuclear Medicine, and is expected to be involved in the study and development of medical imaging equipment. Application is invited. Responsibilities include research and development of medical imaging systems, radiation safety, and participation in the review and development of new equipment and techniques. Applications should be submitted to: Dr. K.C. Karvelis, Director, Division of Nuclear Medicine, Henry Ford Hospital, 7299 W. Grand Boulevard, Detroit, MI 48202 or fax: (313) 876-2080. Henry Ford Hospital is an equal opportunity employer.

NUCLEAR MEDICINE PHYSICIAN. A position is available for a physician, specializing in either positron emission tomography or single photon emission tomography, depending upon qualifications. The candidate will be an active research group in Nuclear Medicine, and is expected to be involved in the study and development of medical imaging equipment. Application is invited. Responsibilities include research and development of medical imaging systems, radiation safety, and participation in the review and development of new equipment and techniques. Applications should be submitted to: Dr. K.C. Karvelis, Director, Division of Nuclear Medicine, Henry Ford Hospital, 7299 W. Grand Boulevard, Detroit, MI 48202 or fax: (313) 876-2080. Henry Ford Hospital is an equal opportunity employer.

Radiation Safety Officer
The University of Oklahoma Health Sciences Center has an immediate opening for a Health Physicist to serve as RADIATION SAFETY OFFICER (RSO) Report to: Ms. Carol Sullivan, Chair, Radiation Safety Officer Search Committee, c/o Provost Office, Library Room 221, University of Oklahoma Health Sciences Center, 930 N.明街, Oklahoma City, OK 73190. Applicants should send a CV to: Ms. Carol Sullivan, Chair, Radiation Safety Officer Search Committee, c/o Provost Office, Library Room 221, University of Oklahoma Health Sciences Center, PO. Box 26901, Oklahoma City, OK 73190. (405) 271-4747. The University of Oklahoma is an Affirmative Action/Equal Opportunity Employer.
NUCLEAR MEDICINE RESIDENTS, July 1991. 2-year program includes didactic, practical and clinical training in general nuclear imaging, nuclear cardiology and RIA at 1,300-bed hospital center. Research encouraged. Two active emergency centers, mobile emergency and coronary and intensive care units adjacent to SPECt facility. Contact: E. Gordon DePuey, MD, Director of Nuclear Medicine, St. Luke's-Roosevelt Hospital Center, Amsterdam Avenue at 114th Street, New York, NY 10025.

Technologist Wanted: Full-time NUCLEAR MEDICINE TECH-NOLOGIST. Certification in Nuclear Medicine by either the NMTCB, ARRT or license by a state in NMT and one year of Nuclear Medicine Technician experience required. Salary range $18,947-$29,617, commensurate with education and experience. Benefits include paid vacation and sick days, 10 paid holidays, cost of living increases, insurance plan, retirement, tax-deferred savings plan, and tuition reimbursement. Write or call Personnel Office, Connie Koker, VA Medical Center, 2401 W. Main, Marion, Illinois 62959, telephone (618) 293-4128. An Equal Opportunity Employer.

NUCLEAR MEDICINE TECHNOLOGISTS. Salt Lake City is situated in a beautiful mountain environment and offers some of the world's best skiing. The VA Medical Center has immediate openings for registered technologists (NMTCB/ARRT) in its expanding and growing Nuclear Medicine Department. This is a challenging opportunity in a newly constructed department with extensive computer capabilities, a state-of-the-art imaging equipment and as a fully equipped nuclear medicine research facility. We offer competitive salaries and an excellent benefits package. Relocation expenses are available. Salary is negotiable. Please call (801) 582-1565, Ext. 2260, or send resume to: Pamela Tilton, Personnel Office, VA Medical Center, 500 Foothill Blvd., Salt Lake City, UT 84148. The VA is an Equal Opportunity Employer.

Memorial Hospital, a 365-bed community hospital has a full-time position for registered or registry eligible TECHNOLOGIST. State-of-the-art equipment including two GE Starcam 300 XRTs, a GE 400 ACT, two MDS A3 compact and a Siemens LEM+ camera. Approximately 3,600 studies per year with a heavy cardiac load. Staff includes full-time Harvard trained physician, two additional technologists and support staff. Competitive salary commensurate with experience and an excellent fringe benefit package. Ideal for technologist who enjoys working in a top caliber environment using modern equipment and latest procedures in a community hospital setting. Please send resume to Debbi Morrison, RN, BSN, Human Resources, 2525 deSales Ave., Chattanooga, TN 37404. (800) 476-6785. EOE.

Hawaii! NUCLEAR MEDICINE TECHNOLOGISTS. The Queen's Medical Center, a 506-bed acute care teaching facility located in the heart of downtown Honolulu has immediate full-time positions available for Nuclear Medicine Technologists. Qualified candidates must be registered (ARRT, NMTCB) or registry eligible Nuclear Medicine Technologists. Our large, newly constructed progressive department offers state-of-the-art equipment including multiple SPECt camera/computer systems. Enjoy all your outdoor activities year-round with our warm and temperate climate. Relocation allowance of $3,000 and temporary housing offered. Interested applicants may call collect, Robert Garner, Employment Manager at (808) 547-4355 or send resume to: The Queen's Medical Center, Personnel Services, 2911 Punchbowl Street, Honolulu, Hawaii 96813.

NUCLEAR MEDICINE TECHNOLOGIST: The Manhattan Institute for Radiology at Washington University Medical Center, St. Louis, MO, has an immediate opening for a F/T registered or registry eligible Nuclear Medicine Technologist with excellent benefit package. Interested applicants call Kathleen Johnson-Bruntland at (314) 362-2800. Affirmative Action/EQual Opportunity Employer. M/F/H/V.

NUCLEAR MEDICINE TECHNOLOGIST: Stanford University Hospital in Palo Alto, California, is seeking ARRT and/or CMNt certified candidates, preferably with one year's experience, for a Staff Technologist position. If you're challenged by the opportunity to work in a state-of-the-art medical center and teaching institution, we invite you to join our team! At Stanford University Hospital, located on the beautiful and expansive Stanford University campus, you will enjoy a generous compensation package that includes an excellent salary, educational assistance, and on-going training programs. You will also enjoy the significant cultural and athletic facilities, free campus transportation, nearby shopping in downtown Palo Alto, and the mild climate and other pleasures of living in the San Francisco Bay area. For immediate consideration, please call Nora Gurnevich, Chief Technologist, at (415) 725-4711. Or send your resume to Nelda Heifetz, Stanford University Hospital, Employment & Recruitment, 300 Pasteur Drive, HG003, Stanford, CA 94305. We are an equal opportunity/affirmative action employer.

NUCLEAR MEDICINE TECHNOLOGIST. Hospital department currently doing 3,000 procedures per year is seeking qualified applicants. Must be certified or eligible for certification to work with the latest tomography and cardiac equipment. Competitive salary and benefits. Hospital is located in scenic western Maryland, offering clean suburban living and numerous outdoor recreational activities. Apply to, or call, Human Resource Dept., Sacred Heart Hospital, 900 Seton Drive, Cumberland, MD 21502. (301) 759-5063. Equal Opportunity Employer.

Equipment For sale: Technicare 420/550, ADC-6's vertical CDS, system I, system III, DPS 2800. We offer the highest prices for all types of nuclear medicine cameras & computers. Call Franklin at Imaging Solutions (415) 924-9155.

For Sale: BAIRD SYSTEM 77 first pass camera. $35,000 or best offer. Respond to: The Society of Nuclear Medicine, Box 61, 16 Madison Avenue, New York, NY 10006.
Nuclear Medicine Technologists

The University of Texas M.D. Anderson Cancer Center, one of the world’s leading comprehensive cancer institutions, is seeking registered or registry eligible candidates in Nuclear Medicine to work in our fully computerized and highly automated Division of Diagnostic Imaging.

We offer an outstanding salary/benefits package, reimbursement for interviewing expenses, interest free loans, relocation assistance, and Texas residents do not pay state income tax. For confidential consideration, please send your resume to M.D. Anderson Cancer Center, 1515 Holcombe Blvd., HMB 205, Houston, Texas 77030, ATTN: Debora Melancon, or call collect (713)792-8025.

We offer an outstanding salary/benefits package, reimbursement for interviewing expenses, interest free loans, relocation assistance, and Texas residents do not pay state income tax. For confidential consideration, please send your resume to M.D. Anderson Cancer Center, 1515 Holcombe Blvd., HMB 205, Houston, Texas 77030, ATTN: Debora Melancon, or call collect (713)792-8025.

NUCLEAR MEDICINE TECHNOLOGIST

HCA Wesley Medical Center is a 760-bed regional health care facility that serves more patients than any other hospital in the state of Kansas, and employs more than 3,400 medical, nursing and auxiliary staff personnel.

Our Nuclear Medicine Department provides a full range of services, including SPECT Imaging and Nuclear Cardiology as part of our program of advanced health care for all ages.

In addition to competitive compensation, we provide comprehensive benefits for your personal security. Our environment features a modern fitness complex, and the city of Wichita has many attractions to make your life pleasant and entertaining. Our friendly community of 290,000 also has a variety of affordable housing options and ample employment opportunities for spouses.

For confidential consideration, send your resume to: Employment Director, HCA Wesley Medical Center, 515 North Holyoke, Wichita, KS 67214.

HCA Wesley Medical Center

HCA Wesley is an Equal Opportunity Employer
PHYSICIAN
NUCLEAR MEDICINE

A Nuclear Medicine physician is immediately required for the Nuclear Medicine Department at the Plains Health Centre, Regina, Saskatchewan, a 303-bed teaching referral centre affiliated with the College of Medicine, University of Saskatchewan. The hospital also serves as the major Cardiology and Neurosciences Facility for the southern half of the Province of Saskatchewan. The successful applicant should have competence in all aspects of Diagnostic and Therapeutic Nuclear Medicine. Applicants must be FRCP (C) in Nuclear Medicine or be eligible to take the examinations. In accordance with the Canadian Immigration Requirements, preference will be given to Canadian citizens. Please submit curriculum vitae and references to:

Dr. M. Malik
c/o Administration
Plains Health Centre
4500 Wascana Parkway
Regina, Saskatchewan S4S 5W9

Inquiries about the position may be directed to Dr. Malik at (306) 359-2360.

NUCLEAR MEDICINE
TECHNOLOGIST

The Carolinas Medical Center, a 900-bed acute care facility is currently seeking a Staff Nuclear Medicine Technologist for a large, state-of-the-art department. Equipment includes a Dual-head bodyscanner, single and multi-detector SPECT cameras and a fully networked computer system. There is also a hospital based centralized radiopharmacy. Candidates must be certified with either the NMTCB or ARRT (N). Experience with SPECT and good computer skills are a plus.

We offer an excellent salary and benefits program. For more information contact Sandi Jackson, Recruiting Specialist, or send resume to:

CAROLINAS MEDICAL CENTER
P.O. Box 32861
Charlotte, NC 28223
(704) 355-2101 locally
1-800-772-6133 (ext 2101) inside NC
1-800-426-6477 (ext 2102) outside NC

Equal Opportunity Employer M/F

CAROLINAS
MEDICAL CENTER
The Hospital of the Good Samaritan, ideally located in the heart of Los Angeles, seeks a Registered Nuclear Medicine Technologist. Our state-of-the-art environment includes the following: Siemens Orbiter, Siemens ZLC, Toshiba 901A Whole Body, Picker Datamore, Thyroid Uptake System, NMIS Manager & Calibrator, SOPHA computers and EDC Cardiac Stress Testing System.

We require current California licensure; at least 2 years full-time experience in clinical nuclear medicine (including didactic experience equivalent to the curriculum recommended by the ARRT and NMTCB).

Consider this exceptional growth opportunity. Please call or send resume to Human Resources Department, (213) 977-2301 or 2305, The Hospital of the Good Samaritan, 637 S. Lucas Avenue, Los Angeles, CA 90017-2395. Equal Opportunity Employer.

The Hospital of the Good Samaritan

NUCLEAR MEDICINE PHYSICIAN

Staff position for a board certified or board eligible Nuclear Medicine Physician. Experience in all aspects of Nuclear Medicine preferred. Highly competitive benefits package offered. Joint Medical School appointment possible with proven clinical and research record. Excellent opportunity in progressive, expanding service.

We are a 180-bed teaching hospital, currently constructing a clinical addition which will double facility size and increase beds to 250. Nuclear Medicine will be located within the addition.

Please send CV to:
Ms. Jerri Shaffer, AA/COS, or call the number given below.

An Equal Opportunity Employer

Department of Veterans Affairs Medical Center
1540 Spring Valley Drive • Huntington, WV 25704
(304) 429-6755, Ext. 2275

NUCLEAR MEDICINE TECHNOLOGIST

Position requires completion of a 2-year A.M.A. approved program in nuclear medicine technology and certification. Willingness to handle radioactive materials essential. We offer competitive salaries and an excellent benefits package. Send resume:

Employment Office
UNIVERSITY OF NEBRASKA MEDICAL CENTER
600 S. 42nd St.
Omaha, NE 68198-5470. (402) 585-4070
AA/EOE

Federal law requires evidence of identity and employment eligibility upon hire.

NUCLEAR MEDICINE SUPERVISOR
RENO/LAKE TAHOE

Live and work where you take a vacation! Consider Washoe Med, offering opportunity and unlimited year-round recreation! We have on-campus fitness and child care centers and more! Requirements: A.R.T., A.S.C.P. or N.M.C.T.B. registration/certification in Nuclear Medicine Technology; 5 years nuclear medicine technologist experience including nuclear cardiology and computer applications; 3 years management/supervisory experience; CPR certification. Society of Nuclear Medicine membership preferred.

Send your resume with salary history or call:
M. Andrea Webster
Human Resources Supervisor
1-888-282-4767

WASHOE MEDICAL CENTER
An affiliate of Washoe Health System
77 Pringle Way, Reno, NV 89506-0609
An Equal Opportunity Employer

Diagnostic Imaging

STAFFING SPECIALISTS
Specializing in Diagnostic Imaging and Nuclear Medicine Personnel

- Temporary Staffing Service
- Nationwide Recruitment Service
- Highly qualified, experienced technologists on a PRN basis
- Recruiting services for permanent positions at a fraction of your recruiting costs
- Assistance in eliminating revenue loss due to staffing shortages

For information regarding the services call 813-461-9642

RADS "TM"
RADIOGRAPHY SERVICE, INC.
April 25, 26, 27, 1991
SECOND INTERNATIONAL SYMPOSIUM ON QUALITY ASSURANCE AND QUALITY CONTROL IN NUCLEAR MEDICINE

Join the largest group of experts ever assembled to discuss the rationale, issues and search for a consensus on practical ways to design and implement appropriate Quality Assurance and Quality Control Programs in Nuclear Medicine.

The viewpoints and recommendations of the following organizations will be presented and discussed: World Health Organization, Pan American Health Organization, International Atomic Energy Agency. Professional Societies: American College of Nuclear Physicians, Society of Nuclear Medicine, College of American Pathologists and the American Medical Association.

Governmental Agencies: FDA Center for Devices and Radiological Health, Department of Energy, Nuclear Regulatory Commission, National Institute of Health, National Institute of Science and Technology.

The following topics will be presented and discussed:

- Quality Assurance in Nuclear Medicine
- Proficiency Testing
- Patient Information
- Efficacy and Cost Effectiveness
- Quality Control of Non Imaging and Imaging Instrumentation Including Computers, SPECT and PET
- Technical and Clinical Procedures
- Medical Decision Making

Workshops
- Patient Information and Decision Making
- Radionuclide Handling and Radiopharmaceuticals
- Imaging and Non Imaging Instrumentation
- Cardiac Ejection Fraction and Ventricular Wall Motion
- SPECT (Cardiac)
- Proficiency Testing
- Pulmonary Studies
- Renal Function
- Brain Studies
- Radioligands Assays

Abstract Deadline: February 1, 1991
For further information or registration please contact: Danbury Hospital, Department of Public Relations (203) 797-7247.
THE SOCIETY OF NUCLEAR MEDICINE

MID-WINTER MEETING

Title: New Horizons in SPECT, PET and Computers
Location: Hyatt Regency Westshore, Tampa, Florida
Date: Monday-Tuesday, February 4-5, 1991
Sponsor: The Computer and Instrumentation Council of The Society of Nuclear Medicine
CME Credit: 11.5 Hours AMA Category I
VOICE Credit: 9 CEUs available for VOICE Credit for Technologists
Seminar Notes: Registration includes a luncheon on Monday, February 4th, with a guest speaker. There are a limited amount of lunches available so please register early.

THE FEE

<table>
<thead>
<tr>
<th>Physicians/Scientists</th>
<th>Before 12/20</th>
<th>On/After 12/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members</td>
<td>$175.00</td>
<td>$220.00</td>
</tr>
<tr>
<td>Nonmembers</td>
<td>205.00</td>
<td>250.00</td>
</tr>
</tbody>
</table>

| Technologists |
|----------------|---------------|
| Members        | 80.00         | 110.00        |
| Nonmembers     | 110.00        | 140.00        |
| Students       | 70.00         | 70.00         |

ALL PRE-REGISTRATIONS MUST BE RECEIVED BY JANUARY 15, 1991

NEW HORIZONS IN SPECT, PET AND COMPUTERS
Hyatt Regency Westshore, Tampa, Florida • Monday, February 4 — Tuesday, February 5, 1991

PLEASE ENROLL THE FOLLOWING (use copies for additional registrants):

I wish to pay by: □ Check 
□ VISA
□ MasterCard

__________________________
Card Number
__________________________
Expiration Date
__________________________
Signature

$ __________ Amount Enclosed (see above)

To make hotel reservations, call the Hyatt Regency Westshore direct at (813) 874-1234. Indicate you are with The Society of Nuclear Medicine. Please make your reservations by January 11, 1991. Do NOT mail housing information to The Society.
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 or by The Society of Nuclear Medicine.

DNA Reagent System

The CycleTEST system, a new line of products introduced by Becton Dickinson, will provide the end-user with a complete, quality-controlled single source for DNA flow reagents. The reagents are used within a tested procedural system that includes instructions and visuals on how the technique is performed. The new system provides comprehensive procedural support for flow cytometric DNA analysis in three well-documented kits: the Reagent Kit, which consists of a matched set of two enzymes, a stain, and a buffer solution; the Accessory Kit, which includes the accessories needed to perform the

Advanced Viewing Station

Elscint has developed a fast, reliable, cost-effective nuclear medicine viewing station with modem capabilities called ApexView®. This advanced display and archiving software package converts any IBM-compatible personal computer into an on-line nuclear medicine viewing station. With this package, a physician at a remote site is capable of interactively accessing any recent or past clinical study. ApexView allows both modem and Ethernet capabilities through the Apex network, providing convenient access to nuclear medicine studies from a physician's home or office computer with the high-resolution quality of the original image. The optional package includes a 19,200 bit/second dial-up modem with on-line compression and decompression performed by software. ApexView is available as a software program or as a complete turnkey system. It is user-friendly, operated by mouse-driven pop-up menus. ApexView is fully compatible with all Apex systems from the main or optical disk and is also compatible with standard format graphic files. Hard copy can be produced through a laser or color printer. ApexView has many archiving capabilities, including sorting by patient name, study number, label, and date, as well as an automatic catalog file maintenance system. Thomas Wilber, Elscint, Inc., 245 Pleasant St., Brookline, MA 02146. (617) 739-6000.

Circle Reader Service No. 101

Radon Monitor with Datalogger/Printer

Victoreen, Inc. has added the Model R210F Radon Monitor and the Model DL 1360 Datalogger/Printer to its line of femto-Tech, Inc. products. The radon monitor is a portable airborne radiation
detector designed for continuous monitoring of radon levels and has an extremely high sensitivity. This allows statistically significant data to be collected in a short period of time. The high sensitivity also makes the instrument suitable for screening and follow-up radon surveys. Other applications include tracking and health physics control functions associated with mitigation work. The Datalogger/Printer, utilized in conjunction with the radon monitor, can be used for inputting test set-up parameters; collecting data from the radon monitor; elapsed and clock/calendar timing; displaying elapsed time, average concentration, and total concentration on the LCD screen; graphic plotting/printing of test results on an optional printer; storing data on removable RAM cards; and downloading data to other computers. In addition, the keyboard locks for tamperproof security during a test and the unit can operate as a stand-alone for 72 hours due to built-in rechargeable Ni-Cd batteries. Margaret Meek, Director of Marketing Services, Victoreen, Inc., 6000 Cochran Road, Cleveland, OH 44139. (216) 248-9300.

Circle Reader Service No. 103

Floating Microtube Rack

Nalgene Company introduces the Nalgene floating microtube rack, configured to hold sixteen filled 0.5-ml Eppendorf tubes in a 4x4 array. The rack allows convenient incubation at elevated or reduced temperatures in water or ice baths and is especially useful in genetic cloning, microbiology, and immunology labs. The microtube rack will float with a full load of filled tubes. The tubes are sup-
Compact Video Imager

Agfa Matrix, a division of the Agfa Corporation, has introduced a new compact video imager that is smaller, lighter, and provides more memory than its predecessors. The Matrix® CR520 is an easy-to-use multi-image, single-format film recorder that produces high resolution medical images for use in conjunction with video fluoroscopy, nuclear medicine, and high-end ob/gyn ultrasound applications. It is designed to produce the highest quality images from a compact device. The Matrix CR520 is considerably smaller in size than conventional equipment and therefore works well in conjunction with today’s compact sophisticated diagnostic devices. The six-inch, flat-faced monitor features a state-of-the-art pin cushion correction component to ensure viewing clarity. Made for installation on an ultrasound cart, the imager maintains front loading for film cassettes and front panel switch controls that are easily accessible. The abbreviated size of the CR520 is achieved by the unique “folded optics” design that features a sealed optical cavity with the lens fixed inside. This application, which is included in all Matrix CR500 Series imagers, not only reduces the maintenance and mirror cleaning, but also ensures uniformity throughout the imaging process. Made for use with black and white 8” X 10” film and a choice of fixed formats (4:1 or 6:1), the imager also maintains an eight-user memory. This feature permits selection, storage, and recall of up to eight sets of image parameters to accommodate different types of film and varied physician preferences. Tom Colucci, Agfa Matrix Division, Agfa Corporation, 100 Challenger Road, Ridgefield Park, NJ 07660. (201) 440-2500.

Circle Reader Service No. 105

Interact UPS System

Sola, a unit of General Signal, has announced the inclusion of 3-kVA and 5-kVA single phase UPS systems to the Interact™ UPS product line. These units are designed to protect sensitive medical diagnostic electronic equipment from all power disturbances, including blackout. They combine high efficiency and high inrush capability with high reliability. Available in 60-Hz U.S. models and 50/60-Hz world models, these newest Interacts provide a variety of output voltage choices. All models allow an input of 120, 208, or 240 volts and can be configured for 120, 208, 240, 120-0-120, and 120-140 VAC. The 50/60-Hz world models also provide 220 VAC input and output. Input voltage range is +15%, – 25% of nominal on all models. All 60-Hz units are UL listed and CSA certified. World models are built to IEC 950. A 3kVA Interact supplies 3 kilowatts of power. Excessive currents in building wiring are prevented because the input current remains near sinusoidal, even with non-linear loads. State-of-the-art noise suppression of 120 dB for common mode noise and 60 dB for normal mode noise is standard on these units. Maintenance-free sealed lead acid batteries provide 10 minutes backup time and users can buy additional accessory battery packs. The Interact is compact and stylish. The 3-kVA and 5-kVA units have leveling feet and casters for easy installation as well as an ergonomically designed shipping container for convenient unpacking. Kevin McGowan, Sola, A Unit of General Signal, 1777 Busse Road, Elk Grove Village, IL 60007. (708) 439-2800 or (800) 289-7652.

Circle Reader Service No. 106

Imaging Converter

Merge Technologies introduces a new system, MergeMVP, that allows the transmission of digitally generated images to multiple output devices, such as monitors, telephones, printers, and files. The plug-in ready unit, which is compatible with all major equipment, allows the networking of images generated by MRI, CT, or CR to a variety of remote locations, eliminating the need for redundant equipment and it permits real time viewing, transmission, and storage at multiple sites. The MergeMVP (Multi-Vendor Protocol Converter) is a hardware-based device which creates ACR-NEMA standard formatted images. Key to the MergeMVP are the “sanction” agreements Merge has in place with scanner vendors, allowing Merge access to their “closed” systems. Under these sanctioning agreements, the vendors have supplied Merge with the information necessary for “tapping in” to their products. They also notify Merge of any updates to their systems. James E. Jobes, Account Manager, Merge Technologies, 1780 Maple St., Suite 18, Northfield, IL 60093. (708) 501-5000.

Circle Reader Service No. 107

Transient Surge Protectors

Surgeonics Limited has created a new line of Transient Voltage Suppressors that have excellent surge handling capacities and extremely fast (pico second) response time. Applications include areas where induced lighting on transmission lines presents a hazard to circuitry and areas where there is evidence of counter EMF or eddy currents generated by electric motors. The suppressors have been redesigned for applications where inductive and switching transients are also present. They are UL and CSA approved and ruggedly designed for medical applications, meeting NEMA requirements. Using these suppressors results in less downtime and less maintenance while extending the life of solid-state equipment. Surgeonics Limited, One Sullivan Parkway, Fort Edward, N.Y. 12828. (518) 747-2158 or (800) 431-2055.

Circle Reader Service No. 108
This new revised edition of the popular SPECT Primer integrates the newest SPECT techniques with the fundamental concepts and procedures presented in the first edition. The addition of clinical studies greatly enhances the value of this edition. The authors present procedures for routine and initial evaluation of a SPECT system as well as protocols for commonly imaged organ systems.

The protocols and procedures are deliberately presented in a generic fashion to offer the greatest flexibility to both the novice and the more experienced practitioner. Each chapter contains a summary of the covered topic, study questions, and a recommended reading list. This format ensures a thorough exposure to each topic and allows the reader to focus on areas of special interest.

Part I of the text gives the technologist a solid grounding in SPECT theory and protocols. Part II builds on this knowledge and introduces the reader to SPECT studies of various organs. The brain is discussed first because it is by far the most technically difficult organ to image. The reader will see realistic clinical images of acceptable and flawed transaxial slices for each study. The Appendix has been updated to include a discussion on Ramp filters and their correlation with additional filters such as Shepp, Logan, Hamming, Hann, and Butterworth.

A chapter is devoted to each of the following subjects:
- Image Reconstruction
- Quality Control Requirements
- Acquisition Parameters
- Processing Techniques
- Clinical Applications
- SPECT Performance Evaluation
- SPECT of the Brain
- Myocardial Perfusion SPECT
- Liver, Bone, and Gallium SPECT

Ordering Information:
Checks should be made payable to: The Society of Nuclear Medicine.
Prices: $20 members, $25 non-members. Add $2.50/copy for shipping and handling ($5/copy for Canada, $20/copy for all foreign). Add $4.50 for Canadian Bank drafts, $40 for all other foreign drafts. Payment must be in U.S. dollars. For information on bulk order discounts, call The Society of Nuclear Medicine's Book Dept. at (212) 889-0717.

- Check enclosed
- Purchase Order Enclosed
- Charge to Credit Card

Visa □ Mastercard

# ___________________________ Expires: ___ /

Signature: __________________________________________

Name: __________________________________________

Institution: _______________________________________

Address: _________________________________________

Mail to: The Society of Nuclear Medicine, Book Order Dept., 136 Madison Avenue, New York 10016-6760. Fax #: (212) 545-0221.
Revolution, not Evolution!

A BOLD STATEMENT OF THE IMPACT WE HAVE HAD ON NUCLEAR MEDICINE THROUGH OUR REVOLUTIONARY TRIAD AND BIAD SYSTEMS

TRIAD
THREE DETECTOR SYSTEM

CLINICALLY PROVEN RELIABILITY:
- OVER 40 TRIADS AT LEADING INSTITUTIONS
- THOUSANDS OF HOURS OF USE IN MULTIPLE CLINICAL ENVIRONMENTS
- THOUSANDS OF PATIENT STUDIES COVERING ALL AREAS OF SPECT
- MOST EXTENSIVE APPLICATIONS SOFTWARE IN THREE DETECTOR SPECT
- WHOLE BODY SPECT
- 3 VIEW WHOLE BODY PLANAR IMAGING

Introduced May 1988

BIAD
ULTRA WIDE DUAL DETECTOR SYSTEM

BIAD REVOLUTIONIZES YOUR ENTIRE NUCLEAR MEDICINE CLINIC:

TOTAL BODY IMAGING
- TWO ULTRA WIDE DETECTORS
- SINGLE PASS ANTERIOR AND POSTERIOR WHOLE BODY
- TWO DETECTOR SPECT
- TWO VIEW LARGE AREA PLANAR
- WHOLE BODY SPECT
- "BODY TRAK" WHOLE BODY CONTOURING

CLINICAL EFFICIENCY
- OVER 25 BIADS AT LEADING INSTITUTIONS
- SEPARATE SPECT AND WHOLE BODY SCAN PALLETS
- CONVIENT PALLETS STORAGE AND EXCHANGE SYSTEM
- APPLICATIONS SOFTWARE PROVEN BY TRIAD
- SMALL ROOM

Introduced November 1989

TRIONIX
RESEARCH LABORATORY, INC.
1666 Enterprise Parkway
Twinsburg, Ohio 44087
Telephone: (800) 442-7017
Telephone: (216) 425-9055
FAX: (216) 425-9059
Circle Reader Service No. 83

Printed in U.S.A.

Please See Us At RSNA Booth 5350.
cardiac evaluation
diagnostic assessment
interventional therapy
post therapeutic monitoring