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Table of Contents

Radiation in Perspective
1. Basic Science of Nuclear Medicine
   Radiation and Dose
   Radiation Effects
   Radiopharmaceuticals
   Imaging of Radiation
2. The Diagnostic Process and Nuclear Medicine
   Sensitivity, Specificity, and Predictive Value
Organ Imaging with Radionuclides
3. Endocrinology
4. Cardiovascular System
5. Pulmonary System and Thromboembolism
6. Liver and Gastrointestinal Tract
7. Biliary Tract
8. Genitourinary Tract
9. Skeletal System
10. Central Nervous System
Imaging Disease Process
11. Trauma
12. Inflammatory and Infectious Process
13. Cancer
Nonimaging Diagnostic Techniques
14. Nonimaging Procedures
Appendix
Glossary
Index

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ORNL offers an excellent benefits package and a generous relocation program plus a stimulating working environment. Salary commensurate with experience. Qualified applicants should forward resume, publication list, copies of academic transcripts, and names of three references to F. F. Knapp, Jr., Group Leader, Nuclear Medicine, P.O. Box 2008, Oak Ridge National Laboratory, Oak Ridge, TN 37831-6022.

NUCLEAR MEDICINE TECHNOLOGIST

FULL & PART TIME

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NUCLEAR MEDICINE TECHNOLOGIST

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Fairbanks Memorial Hospital, a 180-bed acute care hospital, located in Alaska's second largest city, is seeking a full-time registered or registry-eligible NUCLEAR MEDICINE TECHNOLOGIST. This technologist will work cross-trained and also have responsibility in CT. The University of Alaska is located in Fairbanks. Fairbanks is located in the interior of Alaska and offers numerous opportunities for leisure time activities: hunting, fishing, cross country and downhill skiing, and hockey. The hospital offers excellent benefits and assistance with moving expenses.

Qualified applicants send resume to or call:
Fairbanks Memorial Hospital
Human Resources Department
1650 Cowles, Fairbanks, AK 99701
Phone number (907) 451-3495
EOE M/F/HC.

Call for appointment or send resume to:
Mid-Columbia Medical Center
Human Resources Department
19th & Nevada Sts., The Dalles, OR 97058
(503) 296-1111 ext 393

The Journal of Nuclear Medicine
Information for Classified Advertisers—1988

POLICY: The Journal of Nuclear Medicine and the Journal of Nuclear Medicine Technology accept classified advertisements from medical institutions, groups, suppliers, and qualified specialists in nuclear medicine. Acceptance is limited to Positions Open, Positions Wanted, Equipment Available, Equipment Wanted and Seminars. We reserve the right to decline, withdraw, or modify advertisements that are not relevant to our readership.

LINE-ADS: $13.50 (JNM) or $13.00 (JNMT) per line or fraction of line (approx. 50 characters per line, including spaces). Please allow 28 characters for the first line which will appear in capital letters. Special rates for SNM members on Positions Wanted: $10.00 per line. Note: Box numbers are available for the cost of the two lines required.

EXAMPLES

NUCLEAR MEDICINE TECHNOLOGIST
Registered or registry eligible technologist to work in private office. Special emphasis on nuclear cardiology. Salary negotiable. Send resume to: Box 1203, The Society of Nuclear Medicine, 136 Madison Ave., 8th fl., New York, NY 10016-6780, EOE.

Estimate 28 characters
First Line

Estimate 50 characters
Per Line

NUCLEAR MEDICINE PHYSICIAN with board certification in internal medicine or radiology needed for expanding outpatient imaging practice. Qualified applicants should send CV to: J.M.C. Inc., 2040 W. Wisconsin Ave., Suite 370, Milwaukee, WI 53233, (414)933-8739, EOE.

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Eighth 340

JNMT
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DEADLINE: First of the month preceding the publication date (for example, January 1 for February issue). Please submit classified advertisements typed double spaced. No telephone orders are accepted.

SEND COPY TO: Classified Advertising Department
The Society of Nuclear Medicine
136 Madison Avenue, 8th Floor
New York, NY 10016-6760
FAX: (212)545-0221

For further information please contact Laura Fasano at (212) 889-0717.

Volume 29 • Number 9 • September 1988

35A
You are cordially invited to join

The Society of Nuclear Medicine
and the

Technologist Section

The Society of Nuclear Medicine (SNM) is a multi-disciplinary organization of physicians, physicists, chemists, radiopharmacists, technologists, and others interested in the diagnostic, therapeutic, and investigational use of radiopharmaceuticals.

The Technologist Section of The Society of Nuclear Medicine is a scientific organization formed with, but operating autonomously from, the Society to promote the continued development and improvement of the art and science of nuclear medicine technology. Membership in the Section is open to any member of the Society regardless of category, who can provide evidence of training and/or experience in nuclear medicine technology that is satisfactory to the Membership Committee of the Section.

Benefits of Membership

- Receipt of the quarterly publication the *Journal of Nuclear Medicine Technology* and monthly *The Journal of Nuclear Medicine*.
- The right to hold elective office in the Section and SNM.
- Local networking with regional chapters and representation through the National Council and the Board of Trustees.
- Legislative representation on both local and national issues.
- An Annual Meeting each year, which includes scientific and continuing education sessions, workshops, and scientific and technical exhibits at member discounts.
- Books, educational aids, and audiovisuals at member discounts.
- Awards for outstanding achievements, and contributions to the technologist meetings, publications, and exhibits.
- Enrollment in the computerized continuing education accounting system (VOICE).

For more information, contact the Membership Department at:

The Society of Nuclear Medicine
136 Madison Avenue
New York, NY 10016-6760
(212)889-0717

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THE SOCIETY OF NUCLEAR MEDICINE
Application for Membership
(see reverse side for instructions)

Last Name  Dr, Mr, Mrs, Ms, Miss (CIRCLE ONE)  First Name  Middle Initial

Check Degree(s) Earned:
MD  PhD  MA  MS  BA  BS  AA  AS  Other

Indicate Board Certification(s):  ABNM  ABR  ABP  ABIM  ABSNM  ABHP  NMTCB
  ASCP  ARRT(N)  ARRT(T)  ARRT(R)  Other

Please check ONE box for preferred mailing address, but complete both columns for our files:

☐ Institutional

☐ Home Address

DIVISION
STREET ADDRESS
APT. NO.

DEPARTMENT
CITY
STATE/PROVINCE/COUNTRY
ZIP CODE

INSTITUTION OR COMPANY
AREA CODE
TELEPHONE NO.

STREET ADDRESS
PRESENT POSITION (TITLE)

CITY
STATE/PROVINCE/COUNTRY
ZIP CODE

DATE OF BIRTH

AREA CODE
BUSINESS TELEPHONE NO.
EXT.

IN-TRAINING STATUS
☐ YES  ☐ NO

Program Director ________________________________

Projected Completion Date: ____________________________ month/year

PROGRAM DIRECTOR'S TELEPHONE NO.

Would you like to join the TECHNOLOGIST SECTION?  ☐ Yes  ☐ No

COUNCIL MEMBERSHIP (OPTIONAL)
☐ Academic Council  ☐ Correlative Imaging Council  ☐ Radioassay Council
☐ Cardiovascular Council  ☐ Instrumentation Council  ☐ Radiopharmaceutical Council
☐ Computer Council

NAME OF SNM MEMBER WHO SUGGESTED THAT YOU JOIN ____________________________ (optional)

APPLICANT'S SIGNATURE ____________________________  DATE ____________________________

FOR OFFICE USE ONLY

☐ Full  ☐ TS ______________________________

APPLICATION FEE ______________________________  ☐ AM  ☐ R ______________________________

CHAPTER ______________________________  ☐ TM  ☐ IT ______________________________

ACCOUNT # ______________________________  ☐ AF

CHAIRMAN, MEMBERSHIP COMMITTEE (sign)

TECHNOLOGIST SECTION DESIGNEE (sign)
Instructions to Application for Membership

1. Please complete and sign the enclosed application form, either printing or typing the information. Make sure you have completed all information requested in order to avoid unnecessary delays in processing.

2. A membership category will be assigned to you in accordance with the Society’s Bylaws based on the information supplied on your application form.

3. To be eligible for “In-Training” status, at least 90 days must be remaining in your formal training program. No application processing fee is required.

4. Upon acceptance by the Society, you will automatically become a member of the regional chapter that covers your area of residence. If you wish membership in some other chapter, you should submit your request with your application. If no regional chapter exists for the area of your residence, you will be assigned “Membership-at-Large.”

5. A $10.00 non-refundable processing fee must accompany the completed application form. Otherwise applications will not be processed.

6. Receipt of your application will be acknowledged. Allow 4–6 weeks for processing and for receipt of the appropriate journals. DO NOT prepay your dues. An invoice will be sent to you upon approval of your application.

Guide to Membership Dues—1988

<table>
<thead>
<tr>
<th>Membership Categories</th>
<th>Society</th>
<th>Technologist Section</th>
<th>Total</th>
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<tr>
<td>Full</td>
<td>$100.00</td>
<td>—</td>
<td>$100.00</td>
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<tr>
<td>Full-in-training</td>
<td>50.00</td>
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<tr>
<td>With Tech Section membership</td>
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<td></td>
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</tr>
<tr>
<td>Doctoral degrees (MD, DO, PhD)</td>
<td>80.00</td>
<td>$33.00</td>
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<td>All other degrees-in-training</td>
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<td>75.00</td>
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<td>Associate-in-training</td>
<td>37.50</td>
<td>—</td>
<td>37.50</td>
</tr>
<tr>
<td>With Tech Section membership</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral degrees</td>
<td>50.00</td>
<td>33.00</td>
<td>83.00</td>
</tr>
<tr>
<td>Doctoral degrees-in-training</td>
<td>25.00</td>
<td>16.50</td>
<td>41.50</td>
</tr>
<tr>
<td>All other degrees</td>
<td>50.00</td>
<td>33.00</td>
<td>83.00</td>
</tr>
<tr>
<td>All other degrees-in-training</td>
<td>25.00</td>
<td>16.50</td>
<td>41.50</td>
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<tr>
<td>Technologist (must be Tech Section member)</td>
<td>35.00</td>
<td>33.00</td>
<td>68.00</td>
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<tr>
<td>Technologist-in-training</td>
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<td>Doctoral degrees</td>
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<tr>
<td>With Tech Section membership</td>
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<tr>
<td>Doctoral degrees</td>
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</tr>
<tr>
<td>Doctoral degrees-in-training</td>
<td>100.00</td>
<td>33.00</td>
<td>133.00</td>
</tr>
</tbody>
</table>

- Society and Technologist Section chapter dues are additional and vary by chapter. A chapter dues table is available upon request.
- Council dues are an additional $5.00 per Council.
- Dues for those applicants joining during the year are prorated to January 1st.
New Products

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.

Survey Meter

Victoreen announces Model 290 Thyac IV Survey Meter which utilizes all of the scintillation and Geiger-Mueller probes of the 490 series of instruments. The special feature of this instrument is that it uses the latest in micro-processor technology while still presenting to the user the traditional range selection switch and taut-band analog meter. There are three other switches on the face of the instrument which permit the user to select between having the meter read in mR counts, dose or dose rate, and speaker on or off. The instrument is programmed to remember dose even though the instrument is being used in the dose rate mode. At any time during the operation of the instrument, the switch can be placed in the dose position and the accumulated dose from the time of the last dose reset is shown in either counts or mR as selected by the probe switch. The data is not lost if the range selection switch is on the wrong range. The dose reset function is one of the positions on the range selection switch. The capability to integrate either counts or mR gives the user many operating modes from which to choose. Counting wipes becomes easier because the user can have a time constant as long as is necessary to reach the accuracy he requires. An internal switch is used to tell the instrument which probe is being used. This permits the instrument to display the proper mR or mR/h value and to correct the display for the deadtime of the probe. The internal switch also permits entering a calibration factor for each probe when that probe is in use, thereby increasing the overall accuracy of the mR or the mR/h readings. Other positions of the switch are used for diagnostics and trouble-shooting. High sensitivity to detect surface contamination on spills and the high range of 1 R/hr makes it ideal for the nuclear medicine or radiopharmaceutical laboratory. Victoreen, Inc., 6000 Cochran Rd., Cleveland, OH 44139-3395 (216)248-9300.

Three-Head Camera

Ohio Imaging, Inc. introduces its new Model 3000 SPECT System. Intended for brain and cardiac imaging, the Model 3000 SPECT is at least three times faster than single-head systems because of its three active detector heads. A principal feature of the Model 3000 is a dedicated hardware backprojector that reconstructs a 128 x 128 slice in 500 milliseconds. The main CPU accesses an 8 Mbyte dedicated, multi-ported image processing memory while the acquisition CPU has its own 8 Mbyte memory. Other features include gated cardiac acquisition and dynamic SPECT capabilities. Model 3000 SPECT Systems will be made available for delivery during the latter part of 1988. Ohio Imaging, Inc., 23060 Miles Rd., Bedford Heights, OH (216)475-1111.

New Features to PET Imagers

Scanditronix has added many inclusive new features to its PC4096 whole body PET imager and its PC2048 brain PET imager. The Digital MicroVax III has been incorporated into the Scanditronix imagers, which allows greater system use. For the first time, a PET system can have three independent work stations. As a result, images can be acquired while previously-acquired images are studied. This addition also means greater operating speed. The time required to reconstruct all 15 image slices has been reduced to two min and attenuation files can be built three times faster. A new menu-driven software feature offers both menu- and command-driven capabilities. While the command-driven mode allows for fast operation, the new menu-driven feature makes operation easier for the less experienced user and ensures reproducible image acquisition. The addition of a unique rotating pin source allows users to perform attenuation scans during tracer administration. As a result, the amount of time patients are on the imaging table has been reduced by up to 40 min. Other exclusive features include: An optical disk mass storage option which provides unequalled data storage capacity; Automatic data input directly into the data stream for up to eight physiological functions; Unlimited and uninterruptable histogram acquisition which prevents loss of data; and, Software for list mode acquisition which increases data manipulation options, such as retrospective gating. Scanditronix, 106 Western Ave., Essex, MA 01929 (617)768-6994.
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Planar: normal

SPECT: infarct involving multiple regions

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SPECT images courtesy of St. Vincent's Hospital and Medical Center, New York, NY

Planar images courtesy of Park East Nuclear Diagnostics, New York, NY

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For complete prescribing information, consult package insert, a brief summary of which follows:

**DESCRIPTION:** Thallous Chloride TI 201 is supplied in iso tonic solution as a sterile, nonpyrogenic diagnostic radio pharmaceutical for intravenous administration. The aqueous solution at calibration time contains 27 MBq (1 mCi)/mL. Thallous Chloride TI 201 adjusted to pH 4.5-5.5 by the addition of hydrochloric acid and/or sodium hydroxide solution. It is made isotonic with 0.9% sodium chloride and is preserved with 0.1% benzyl alcohol. Thallium TI 201 is cyclotron-produced with no carrier added. Radioclinical purity at calibration is at least 97.0%.

**INDICATIONS AND USAGE:** Thallous Chloride TI 201 may be useful in myocardial perfusion imaging for the diagnosis and localization of myocardial infarction.

It may also be used in conjunction with exercise stress testing as an adjunct in the diagnosis of ischemic heart disease (atherosclerotic coronary artery disease).

It is usually not possible to differentiate recent from old myocardial infarction, or to differentiate exactly between recent myocardial infarction and ischemic. **CONTRAINDICATIONS:** None known.

**WARNINGS:** If studying patients in whom ischemia or myocardial infarction is known or suspected, care should be taken to assure continuous clinical monitoring and treatment in accordance with the patient's condition. Exercise stress testing should be performed only under the supervision of a qualified physician and in a laboratory equipped with appropriate resuscitation and support equipment.

**PRECAUTIONS:** Data are not available concerning the effect on the quality of Thallous Chloride TI 201 scans of marked alterations in blood glucose, insulin, or pH (such as is found in diabetes mellitus). Attention is directed to the fact that thallium is a potassium analog, and since the transport of potassium is affected by these factors, the possibility exists that thallium may likewise be affected. Data are not available concerning the effect of drug treatment (such as anti- 

It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, a general rule nursing should not be undertaken when a patient is administered radioactive material. Pediatric Use: Safety and effectiveness in children below age 18 have not been established.

**ADVERSE REACTIONS:** A single adverse reaction to Thallous Chloride TI 201 product has been reported consisting of hypotension accompanied by pruritis and rash which corresponded to anti-histamines and steroids within one hour. HOW SUPPLIED: Thallous Chloride TI 201 for intravenous administration is supplied as a sterile nonpyrogenic solution containing at calibration time 27 MBq (1 mCi/mL). Thallium 201, 5ng/mL sodium chloride and 9mg/mL of benzyl alcohol. The pH is adjusted to between 4.5-5.5 with hydrochloric acid and/or sodium hydroxide. This product is supplied in a 81 MBq (2.2 mCi) and 224 MBq (6.5 mCi) size. Each package contains one vial.

For more information contact your local Territory Manager, MPI Professional Service Center or call 1-800-MEDI-123

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Circle Reader Service No. 30

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