

# Technologist News

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## Injections—Who Is Allowed to?

After some 18 months of being banned from injecting radiopharmaceuticals into patients, the nuclear medicine technologists in New York State are fighting on two fronts for a solution. The major effort is concentrated on the State's Physician Assistant Act. This Act has a provision for Registered Specialist Assistants (RSA), to whom a physician may delegate any duties which the physician is allowed to perform himself. If technologists can be eligible for RSA status, they would legally be able to perform injections when asked to do so by a physician. New York techs are hoping for a decision on their RSA application by midsummer of this year.

Although the chances for RSA status look quite good, a backup solution would be offered by a bill currently in Committee. The bill, drafted by the techs of the Greater New York Area Chapter Tech Section, would enact a health code that would permit injections by techs. The code would require a demonstration of proper training on the part of the technologist and the presence of the physician in the nuclear medicine department at the time of the injection. This bill would be taken out of Committee and presented for vote in New York's Senate in case the RSA provision is found to be inapplicable for nuclear medicine techs.

New York was the first state to have a problem restricting the activities of nuclear medicine tech-

nologists. As later experienced in other states, the problem in New York was the lumping of nuclear medicine with radiology. Whereas injections of radiopharmaceuticals have almost no potential danger to the patient, the injections of contrast materials in radiology do have a risk of mortality. Understandably the Radiologic Technologists Board of Examiners of New York State recommended that technologists in general should not be allowed to make intravenous injections. The Board did not consider the special nature of nuclear medicine and had no nuclear medicine technology representation. Nevertheless, its recommendation was accepted as the official interpretation of existing laws.

New laws which may regulate the professional activities of nuclear medicine technologists have to have a clear distinction of nuclear medicine procedures as opposed to radiologic procedures. In New York the approach is to design a totally new law which would be applicable to nuclear medicine technologists only. This may not always be the best method of presenting the issue to the legislative bodies concerned with the regulations. A single general approach which incorporates all areas of technology may have a better chance of being accepted than many highly specific ones.

At the national level that is the hope with HR 559, a bill currently under consideration by the House.

Although it is primarily designed for radiologic techs, the Radiation Health and Safety Act of 1975 has sufficient leeway to establish licensing for nuclear medicine techs. The licensure could help assure the competency of technologists to perform iv injections on patients.

Presently seven states—California, Missouri, New Hampshire, New York, Ohio, Washington, and West Virginia—have laws which prohibit the injections of radiopharmaceuticals by technologists. The strict requirements for licensure as established by HR 559 might by themselves be sufficiently demonstrative of the technologists' abilities to facilitate the changes in the laws of these seven states. The bill would also aid in developing firm regulations to assure the rights of techs to make iv injections in those states that have no policies on this issue at present (see Table 1).

Not in all states, however, do new laws have to be implemented or old ones changed. In New Jersey the interpretation of the Medical Practice Act is left entirely up to the Board of Medical Examiners of that state. Without much consideration of the harmless nature of radiopharmaceutical injections, the Board decided to prohibit the practice for nuclear medicine techs. The decision was appealed by Dr. Mel Freundlich on behalf of the nuclear medicine physicians in New Jersey. Dr. Freundlich, who is a member of the Greater New York Area Chapter and Co-Chairman of the Advisory Commission on Nuclear Medicine to the Commission of Radiation Protection of New Jersey, was successful in reversing the decision by proposing a rule which would set rigorous requirements on the technologists who were allowed to inject. The licenses to inject are granted to persons meeting one of the following: (A) Registry by the ARRT or the ASCP for nuclear medicine; (B) training in nuclear medicine technology in a course approved by the AMA Council on Medical Education and eligibility for

registry by either the ARRT or ASCP; (c) Registered Nurse with formal or on-the-job training in nuclear medicine technology; or (D) three years of experience in a nuclear medicine facility supervised by a licensed physician who is licensed by the NRC and certified by the State of New Jersey Bureau of Radiation Protection. In addition, the injections are allowed only under

the specific direction of a physician licensed by the State of New Jersey, by the NRC to handle radioactive compounds, and certified by New Jersey's Bureau of Radiation Protection. The physician assumes full responsibility for the performance of iv injections by the technologist. This ruling is valid until such time when the Commission on Radiation Protection establishes the certification

requirements for nuclear medicine technologists.

Table 1 gives the current status on injection regulations in all 50 states. In all cases the decision is based on a presumption that the injection would be done by or under the supervision of a physician licensed to use radioactive materials. The information was derived from a survey conducted by Dielman Consultants, Inc.

## Students Accepted to the Tech Section!

The Membership Committee announces that applications from students enrolled in training programs in nuclear medicine technology are now being accepted. The new category of Student Affiliate was created to provide students with an early opportunity to become involved in the activities of their future professional organization. A Student Affiliate has the right to vote on all issues presented to the membership and can hold an appointive office. He also receives all publications of the Section. He does not need to be a member of SNM while he is a Student Affiliate.

Applications can be submitted on the new Society-Section membership form—which eliminates the need for two separate forms, one for the Society and one for the Section—and should be accompanied by a verification of student status by the director of the educational program. Applicants will be charged the regular application fee and Tech Section membership dues. They do not have to pay Society membership dues. Upon completion of their training, Student Affiliates will have their applications forwarded to the Society and Section membership committees for consideration, thus eliminating the need for reapplication and the related fee.

This is the latest initiative by the Membership Committee in its drive to increase the membership in the Section by at least 20% this year. The Section will still pay one year's

TABLE 1. Current Status on Injection Regulations

	Allowable	Not allowable	No policy	No answer to date
Alabama	x			
Alaska			x	
Arizona				x
Arkansas	x			
California		x		
Colorado	x			
Connecticut	x			
Delaware			x	
District of Columbia	x			
Florida	x			
Georgia	x			
Idaho	x			
Illinois	x			
Iowa			x	
Kansas	x*			
Kentucky	x			
Hawaii	x†			
Louisiana	x			
Maine	x			
Maryland	x			
Massachusetts				x
Michigan	x			
Minnesota			x	
Mississippi	x			
Missouri		x		
Nebraska	x			
Nevada	x			
New Hampshire		x		
New Jersey	x			
New York		x		
New Mexico	x			
North Carolina			x	
North Dakota			x	
Ohio		x		
Oklahoma	x			
Oregon	x			
Pennsylvania	x			
Rhode Island	x			
South Carolina	x			
South Dakota	x‡			
Texas	x*			
Tennessee	x			
Utah			x	
Vermont	x			
Virginia	x			
Washington		x		
West Virginia		x		
Wisconsin	x§			
Wyoming			x	

\* Responsibility rests with the physician.

† Not allowed in state-operated public hospital.

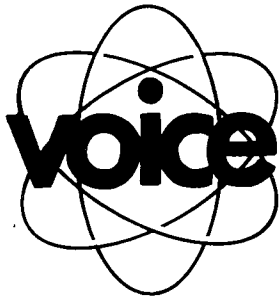
‡ Physician must be licensed in South Dakota.

§ Policy up to each medical facility.

membership dues to any member who manages to sign up ten new members and mail their applications together to the National Office before the Annual Meeting of the Society in Dallas this June.

## VOICE

The Technologist Section is proud to announce VOICE, a new accountability program developed by the Continuing Education Committee and formed and approved by the National Council at the Third Annual Meeting of the Section in St. Louis. VOICE, or Verification of Involvement in Continuing Education, is a method for accounting and ap-



proving credits in continuing education for nuclear medicine technologists. It maintains a permanent, official computerized record of all continuing education activities related to nuclear medicine technology. The VOICE program is similar in operation to the PACE program offered by ASMT and the ECE program offered by ASRT, but is especially designed to meet the needs of nuclear medicine technologists.

Credit is assigned according to three types of educational experience. The basic unit of VOICE is the Continuing Education Unit (CEU), a nationally accepted and recognized measure of continuing education in a formal setting. The CEU is defined as ten contact hours in an appropriate classroom or

workshop, sponsored by a responsible organization, taught by competent instructors, and having some method of evaluating the achievement of its participants. Several colleges already accept CEUs for academic credit and many more should soon follow their lead.

The second category is known as Verified Unit of Education (VUE). The criteria for awarding VUEs are the same as for CEUs, but VUEs are given for participation in programs that did not apply for VOICE approval.

Finally, VOICE uses a unit called the Professional Activities Recognition (PAR). These units are awarded to educational activities which do not meet the criteria for either CEUs or VUEs, such as attending professionally related lectures or symposia, teaching a course, holding a national or local elected office, authoring a published article, and presenting a scientific paper, exhibit, or lecture.

The VOICE program is a method of documenting that your continuing education activities will be verified, standardized, and credible. A printout of your records can be used to show prospective employers your educational activities or to prove to your present employer your interest and active involvement in education to maintain and update your knowledge. It may also help you to obtain college credit for your efforts. Additionally, almost all of the current proposals for licensure laws for nuclear medicine or radiologic technologists, be it at the state or Federal level, include some form of continuing education requirement beyond basic training in order to retain a license.

By offering a rigorous approach and obvious benefits to its participants, VOICE hopes to promote high-quality educational programs and lead to an increased professional development of individuals. It should assure quality health care and radiation protection in a profession with rapidly changing equipment and procedures.

Accreditation by VOICE requires the involvement of both the program director of an educational session and of the interested participant. A participant may obtain application forms from the National Office or from chapter delegates and should send them back with the appropriate fee as specified below. The National Office will then send the participant an identification card. Application forms for VUEs and PARs may be requested at that time. The participant will receive a computerized printout of his educational activities each January and July, with additional printouts available at a fee.

As a special introductory offer, the fee to members of the Tech Section is \$5 through the 23rd Annual Meeting of the Society in Dallas, June 8-11, 1976. Thereafter the fee to members will be \$7. For non-members the fee is \$15. The fee will be billed once a year for renewal.

Program directors may obtain VOICE program approval forms from the National Office and return them to the Continuing Education Review Board (CERB), which usually notifies the director within approximately 30 days of whether or not approval is granted. The CERB consists of five members; three of them deal with CEU approval exclusively and each of the other two evaluates VUEs and PARs. Attendance and evaluation records should be kept by the director and sent to the National Office for processing and verification.

The first educational activities to be approved by the VOICE program will be those offered at the Society's annual meeting this June. Any educational experiences offered after that meeting will be eligible to apply for approval and applications are accepted now.

Twenty-three persons became members of VOICE within a day of its announcement at the Section's meeting in St. Louis! To apply contact the National Office, Society of Nuclear Medicine Technologist Section, 475 Park Ave. South, New York, NY 10016.

## Message from the President



During the Third Winter Meeting of the Technologist Section in St. Louis, many truly exciting activities took place, both as part of the total educational experience and also as the actions undertaken by your National Council.

The educational program embraced many areas of current interest and concern to all nuclear medicine technologists. One of the most significant accomplishments was the genesis of the VOICE program for approving and accounting educational experiences relating to nuclear medicine technology. Through its rigorous requirements, this program will enhance the ever-increasing quality of continuing education activities for technologists.

As part of the Section's participation and obligation to the Joint Review Committee for Nuclear Medicine Technology, we accepted the charge of reviewing the Seventh Draft of the Minimum Essentials for Nuclear Medicine Technology. A special committee, after a responsive review, recommended that the National Council accept and adopt this version. In turn, this recommendation and acceptance was conveyed to the Society's Board of Trustees which accepted the minimum Essentials. Several written and verbal comments and concerns have been received pertaining to the Essentials. In response to these, the Section will act as a viable path for communicating input to the Joint Review Committee.

The Technologist Section has for several years voiced concern and demonstrated interest in the certification process of nuclear medicine technologists. As a result of a National Council decision and mandates of established

priority, the Section is significantly involved in the formulation of policy and in decision-making in cooperation with both of the existing certification bodies. The extent of involvement and interaction is, as of this date, greater with the American Society of Clinical Pathologists. Through our concern and involvement the Section has accepted an immense responsibility for credentialing in nuclear medicine technology.

The National Council's actions were indepth and wide in scope. Between now and June your Executive Committee will continue to work diligently on the numerous items referred to it by the National Council. Among these items are included a position statement relating to licensure of nuclear medicine technologists, the establishment of standing rules for the conduct of business, the establishment of Fellow and Student Affiliate categories, and reciprocity with the Canadian Society of Radiologic Technicians. The Executive Committee has been and will continue to be very busy on your behalf in the upcoming months.

Your chapter delegates have played a significant role in the National Council. Terry Schmidt, the Society's Washington health representative, thoroughly reviewed several topics of national concern when he met with the National Council Delegates. You can be sure that similar items of interest and current issues of concern will be acted upon as you continue to elect or appoint responsible delegates to represent your chapters.

The Section has experienced phenomenal growth both in membership and projects undertaken and accomplished. You, as a member, have much to be proud of concerning your professional organization. We look forward to bigger and better accomplishments at the next meeting in Dallas. See you there!

GLENN A. ISSERSTEDT  
University of Iowa Hospitals and Clinics  
Iowa City, Iowa

## St. Louis Meeting a Success

The Third Winter Meeting of the Technologist Section fulfilled its promise of interesting workshops, exhibits, and general sessions and convivial social events. More than 500 attendees registered during the three-day-long meeting, Feb. 6-8, 1976, in the Gateway City.

Among the highlights was a speech by St. Louis Mayor John

Poelker at the opening session on Friday, Feb. 6. In his enthusiastic greeting the Mayor officially proclaimed that week Nuclear Medicine Week for St. Louis. He then presented the keys to the city to Tech Section President Glenn Isserstedt. The opening session also included a discussion on the effects of legislation and regulations on nu-

clear medicine by Terry Schmidt, the Society's new Washington Health Representative.

All workshops were well attended, and a few were filled to capacity. The workshops covered radioimmunoassay, radiopharmacy quality control, education, and administration—a special cardiovascular workshop was also presented. The

coverage of the subjects was deemed excellent, and all Scientific Program Committee members should be congratulated for their efforts. Radioimmunoassay laboratory setups were impressively equipped with the help of Abbott Laboratories, Bio-Rad Laboratories, Mallinckrodt, and E. R. Squibb & Sons, Inc.

A special luncheon session featured a talk by Dr. James Potchen, President of SNM, on Saturday. Dr. Potchen's lecture, "Let's Bring the Human Touch Back into Medicine," emphasized the need for improving delivery of health care and stressed the importance of better relationships between physicians and patients.

Attendance was also high and interest keen in the exhibit area. Thirty-one companies turned out with informative and educational exhibits.

Saturday night kept everyone up for "Meet Me at the Fair," a party living up to the fantastic reputation and recalling the atmosphere of previous Tech parties. A buffet dinner was greatly enjoyed by one and all and a band, "The Brass Menagerie," had every body swinging and rocking well into the evening.

## **Nuclear Medicine Information System**

A system designed to obtain, store, and transmit nuclear medicine information at selected centers in the United States is proposed by the Bureau of Radiological Health. The proposal comes as a result of a pilot study using the FDA's Medically Oriented Data System (MODS) as a basis for the Nuclear Medicine Information System.

MODS is an automated computer-based system that collects medical data, including nuclear medicine information, from selected hospitals. Case reports are encoded

daily in each hospital and recorded on tape. The tape is analyzed by an FDA computer and transferred to the MODS data bank.

Six hospitals are participating in this study and have submitted data on more than 22,000 in vivo nuclear medicine procedures to MODS from Sept. 1974 to June 1975. The recorded data include patient characteristics, type of procedure, radio-pharmaceutical used, method of administration, quantity administered, equipment used, and procedure results.

The BRH study also compared current nuclear medicine information with data collected in previous years at the six hospitals. Among the findings were an increase of 17% per year in nuclear medicine procedures and an increase in the frequency of  $^{99m}\text{Tc}$  use from 7% in 1966 to 82% currently, with a corresponding decrease in the use of  $^{131}\text{I}$ . The comparison also showed that approximately a fourth of all nuclear medicine procedures is performed on patients under the age of 30. The increasing contribution of nuclear medicine to patient care and diagnosis gives added impetus for expanding this study to a representative sample of US hospitals.

## **Where Will the 1978 Meeting Be? It's Up to You!**

Do you think a city in your Chapter would make a good site for the 1978 Winter Meeting of the Technologist Section? Then contact your National Council delegate immediately and tell him so.

At the Dallas meeting in June, the National Council delegates will consider possible sites for the 1978 meeting, and they will only consider those sites that have strong Chapter backing.

So let us know!

## **Last ARRT Exam Notice**

Effective July 1, 1976, only graduates of AMA-approved programs will be accepted for registry examination in nuclear medicine technology with one exception. That exception is for candidates enrolled prior to that date in other training programs leading to eligibility under one of the alternate qualifications now in effect. For additional information contact the American Registry of Radiologic Technologists, 2600 Wayzata Blvd., Minneapolis, MN 55405; tel: (612) 377-8416.

## **Viva Las Vegas!**

Tech Section Super Stars Storm the Strip! As confirmed by the National Council at the Third Annual Meeting of the Section in St. Louis, the Section's Fourth Annual Meeting is scheduled for a three-day run on the one and only Las Vegas strip: Jan. 28-30, 1977, at the Las Vegas Hilton. A superb scientific program and exhibit are in the planning stage, and glamour, excitement, thrills, and a terrific time are guaranteed. And after all those meetings there is Las Vegas nightlife! So make a point now of setting aside Jan. 28-30, 1977, and a few dollars if you are so inclined, and get ready to make the most of the Tech Section meeting in Las Vegas.

## **Business Meeting Notice**

The General Business Meeting of the Technologist Section will be held at the 23rd Annual Meeting of the Society of Nuclear Medicine on June 9, 1976, at the Dallas Convention Center, Dallas, TX. This is the time for you as a member to give constructive input into the activities of the Tech Section and vote on proposed bylaws changes.

## Chapter News

### Central Chapter

The Central Chapter Technologist Section is ever growing, as evidenced by the inclusion of a new local group CIATA. The Central Illinois technologist organization was formally accepted into the Central Chapter at the annual fall meeting. The group has approximately 60 members and will be represented on the Advisory Council by Laurel Smith, president of CIATA. Laurel's phone number is (309) 764-5661, ext. 600. Anyone in Central Illinois wishing to join the organization may call her at the above number.

Another new face in the Technologist Section is Dr. Tom Ryerson, appointed at the request of the Technologist Section to replace Dr. James Conway who resigned the position after several years of guiding the Central Chapter technologists. His interest and devotion to technologist affairs is greatly appreciated by all of the Central Chapter technologists.

Central Chapter Tech Section regrets the loss of its treasurer, Dennis Waldron, who resigned his office and will be an inactive member due to a new business venture. We wish him luck and success in his endeavors. Carter Taliaferro was appointed acting treasurer to fill out the rest of the term of office.

A placement service has been initiated by the Section to aid technologists seeking employment and hospitals seeking nuclear medicine technologists. The service is open to all technologists. Hospital administrations in the Central Chapter area were sent subscription forms for a quarterly listing of available technologists who have registered with the service. The cost to technologists is \$5. Anyone wishing to make use of the service should contact Central Chapter Executive Director Harold Gant at (313) 478-4253. His address is PO Box 2376,

Dearborn, MI 48123. It is hoped that the service will help to eliminate the shortage of technologists.

Another service now provided by the Central Chapter is a licensure hot line to aid anyone in the Central Chapter who is facing the problems of proposed state licensure. The hot line is intended to increase communications in the Central Chapter since it covers such a large geographical area. Persons with pertinent information and/or questions should contact Dr. Richard Holmes at Milwaukee General Hospital, Milwaukee, WI.

Continuing education for technologists is provided in the Central Chapter again in 1976 in the form of two-day radiation safety workshops. The first program was presented in Chicago on Feb. 27-28. Other workshops are scheduled in Minneapolis (Mar. 19-20), Cleveland (Apr. 2-3), Indianapolis (Apr. 16-17), Milwaukee (Apr. 30-31), and Ann Arbor (May 14-15). Certificates of attendance will be awarded to those who attend both days of the workshop. For additional information contact Sue Weiss, Dept. of Nuclear Medicine, The Children's Memorial Hospital, 2300 Children's Plaza, Chicago, IL 60614, or Harold Gant at the address given above.

The Central Chapter Annual Spring Meeting will be held on Mar. 4-6 in Southfield, Michigan, at the Michigan Inn. Teaching sessions on various subjects as well as proffered papers will comprise the program. All technologists are urged to submit a paper. For information contact Sue Attee at (313) 543-7334 or Sue Weiss at (312) 649-4416.

—Sue Weiss

### Eastern Great Lakes Chapter

The second meeting of the Ontario Society of Radiological Technologists, Nuclear Medicine Section, was held at St. Joseph's Hospital in London, Ontario, on Nov. 29, 1975. The following speakers and topics were presented:

Cathy Wilkins, of St. Joseph's Hospital, London, on the Baird Atomic System 70, its applications and functions and comparison to an Anger camera. Sheila Ferguson, also of St. Joseph's Hospital, on the economics of double antibody separation techniques. Denise Dietrich, of University Hospital, London, on noninvasive myocardial imaging. And Lyle Goodin, of the Toronto Institute of Medical Technology, Toronto, Ontario, on the Schilling test's evaluation in a general hospital setting. This meeting was attended by 29 technologists.

The next meeting is slated for Hamilton, Ontario, in Mar. 1976. Elections of officers for the Chapter, Technologist Section, will take place at that Spring meeting.

—Lloyd B. Schneider

### Greater New York Area Chapter

The Fifth Annual Spring Symposium of the Technologist Section, Greater New York Area Chapter, will be held on Mar. 26 and 27 at the Howard Johnson Regency Motor Inn, in Atlantic City, NJ. An outstanding potpourri has been prepared by Mary Ann Pondish and her hard-working program committee. In addition to the traditional registry review sessions, there will be discussions on new agents for cardiac imaging, pediatric nuclear medicine techniques, bone-seeking agents, renal imaging, and evaluation of the current status of ventilation and perfusion studies. In-depth lectures on radioimmunoassays, thyroid function, statistics, and imaging are also scheduled. A certificated CPR course is also on the agenda. All this and more are in the offing. Not to neglect the social side, an ice-breaker cocktail party complete with live entertainment will be held on Friday, Mar. 26. To help you wind down after classes on Saturday, Mar. 27, there will be a "Happy Hour" topped off in the evening by a prime rib dinner and a chance to get to know the new Chapter officers who will be guiding the Chapter's

Tech Section activities for the coming year. The committee hopes you'll agree that attendees will be getting a lot for the registration fee, which again has been held to a minimal figure. A special students' fee has been arranged this year for the first time. For additional information, or for registration forms, contact Ms Pondish at (201) 420-8700, ext. 1346.

Recognizing the need for the licensure of nuclear medicine technologists, and mindful of the technologists' efforts in this area, Dr. M. Donald Blaufox, President of the Greater New York Area Chapter, called a meeting of many nuclear medicine physicians and technologists in the fall of 1975. The meeting took place in the offices of Delson and Gordon, Attorneys-at-Law. Although the physicians have long been supportive of the techs' struggle for licensure, it was agreed that the time had come for formalization of this support. Accordingly, Dr. Blaufox appointed an ad hoc committee to work the problems through, this time with legal assistance.

Chairing this committee is Dr. Stanley Goldsmith, the Greater New York Area Chapter secretary, assisted by Drs. Richard Pierson and Lester Levy. The technologists are represented by Mr. Sheldon Ashley, President of the Long Island Society of Nuclear Medical Technologists, Mr. Ronald Andrews, President of the New York State Society of Nuclear Medicine Technologists, and Mrs. Violet Custer, National Council Delegate. Much hard work is being done by this very active committee, including a trip to Albany en masse to meet with members of the Department of Education and the Department of Health.

A bill for the licensure of nuclear medicine technologists was introduced in the last session of the State Senate and is presently still in committee. The contents of this bill are being reevaluated by Dr. Goldsmith's committee. In addition to this legislative route, alternative ap-

proaches are being explored in depth.

At the business meeting during the very successful First Annual Scientific Meeting of the Greater New York Area Chapter, held on Nov. 21-23, Dr. Goldsmith reported to the general membership on the efforts of the committee to date. Some discussion ensued, during which Dr. Blaufox indicated a need for funds to finance the activities of the committee. Donations were requested for this fund, but unfortunately have been slow to come in.

Contributions to the fund should be made payable to the SNM, GNYA Chapter, and sent to Dr. Stanley Goldsmith, Dept. of Physics—Nuclear Medicine, Mt. Sinai Hospital at 100th Street, New York, NY 10029.

If anyone would like to offer any suggestions or comments of advice regarding our licensure endeavors, please contact me at the address and phone number at the end of this news item. We need all the help and support we can get, and would welcome your input. Remember this affects us all. Our battle in New York State can set the precedent, and perhaps pave the way for other states in their efforts to obtain licensure.

Some news about our nuclear medicine hotline. It is now located in our National Office. The new number for the hotline is (212) 889-1388. The hotline is there for our benefit, so use it for information, questions, job openings, positions wanted, meeting notices, . . . whatever. Its purpose is to disseminate information quickly, so take advantage of it.

If any Chapter members have news of their local activities that they would like see printed in the Greater New York Area Chapter News, please contact me directly at Dept. of Nuclear Medicine, Long Beach Memorial Hospital, 455 East Bay Dr., Long Beach, NY 11561; (516) 432-8000, ext. 239.

—Vi Custer

## Mideastern Chapter

A minisymposium was held on Jan. 21, 1976, at the Colony Seven Restaurant located halfway between Baltimore and Washington. The guest speaker was Mr. Craig Harris from Duke University, who spoke about the comparison of large field of view with standard field of view camera systems.

Jim Langan and Mike Cianci's names were submitted as nominees for National Office in the Technologist Section of SNM.

The annual meeting for the Mideastern Technologist Section will be held Apr. 23-25, 1976, in Baltimore, MD.

The Chesapeake Nuclear Medicine Technical Society had a dinner meeting on Dec. 9, 1975, at the Penn Hotel in Towson, MD. After all had enjoyed a good dinner, there was a group panel discussion on state licensing. The panel consisted of Donald Hamilton (chairperson), Dr. William Dear, Charlie Harrell, Barbara Jump, and Ted Sorandes.

—Charles R. Harrell

## Missouri Valley Chapter

The Missouri Valley Chapter held its annual meeting in St. Louis, MO, on Nov. 8-9, 1975. The theme was "Radiosotopic Thrombosis Detection." This timely subject was examined from the research and development through the clinical applications. The meeting was spiced with several scientific presentations on the use of positron emission transaxial tomography (PETT).

The technologists' business meeting included the installation of new officers for the Chapter. Elected were David Briggs, President; Sheri Pasternak, President-Elect; and Kathleen Johnson, Secretary-Treasurer. Committee chairperson appointments included Sheila Rosenfeld, Continuing Education; Mary Clarke, Bylaws; and Lewis Schmidt, Publications.

The Chapter has four identifiable

subsections which include Greater St. Louis, Greater Kansas City, Greater Iowa, and the Greater Omaha Section. Several other groups have applications pending.

The Greater St. Louis Association held its last bimonthly meeting at Belleville Memorial Hospital on Dec. 9, 1975. Dr. Roger Secker-Walker spoke to the group on the significance of doing xenon ventilation studies along with all lung scans for the determination and management of pulmonary emboli. The members also reviewed and discussed a bill submitted by the Missouri Society of Radiological Technologists to the Missouri Congress for the purpose of licensing nuclear medicine, radiation therapy, and radiologic technologists.

In reviewing the membership censuses of 1974 and 1975, the Missouri Valley Chapter is proud to announce a 100% increase in membership with hopes of continued growth.

The Chapter is sponsoring the fourth semiannual Nuclear Medicine Technology Registry Review Apr. 30 through May 2, 1976. A radiopharmaceutical applications review will run concurrently. Interested people may contact David Wells or Jane Davis at University of Kansas Medical Center, Department of Nuclear Medicine, Kansas City, KS.

—*Lewis Schmidt*

#### **New England Chapter**

The New England Chapter has been and continues to be an active one. The Annual Fall Meeting of the New England Chapter had a responsive turnout at its two-day gathering in October. New officers were installed at that time.

Massachusetts, Connecticut, and Rhode Island continue to offer monthly grass roots meetings. An especially interesting meeting was held at New England Nuclear Corporation in Billerica, MA. Approximately 50 people participated in a tour of the facility which in-

cluded a view and explanation of the cyclotron, research labs, packaging and production, and personnel monitoring. It was a worthwhile experience to gain personal insight into a process which so greatly affects our work and yet with which we are not truly familiar.

A future Rhode Island meeting will host Dr. Paul Brown from the Providence VA Hospital. He will explain a course on nuclear medicine technology that may be available in the spring of 1976. The Rensselaer Polytechnical Institute of Troy, NY, has a three-credit videotaped course open to seniors, graduate students, and practicing technologists. The course runs for 15 weeks. An assessment needs to be made now to determine possible enrollment locally so as to merit holding the course.

A second quality control assurance workshop is being planned for March and April. For further information those interested in attending should contact Michael Coutcher, Nuclear Medicine Department, Newport Hospital, Newport, RI.

A donation of \$200 is being made by the Chapter to the Continuing Education and Accountability Fund of the SNM Technologist Section.

The annual Spring Symposium is being planned and will be held at the Sheraton-Lincoln Inn in Worcester, MA. For more information contact Wayne Cotnoir, St. Joseph Hospital, Department of Nuclear Medicine, Providence, RI.

—*Cecile Gaigals*

#### **Northern California Chapter**

Northern California technologists received some theoretical knowledge and practical experience in a radioimmunoassay workshop held at the Santa Clara Valley Medical Center in San Jose on Dec. 6, 1975. This was also the occasion for the installation of the newly elected officers—Arleen O'Brien, of Hillcrest Hospital, Petaluma, President; Paul Tegan, of St. Mary's Hospital, Daly City, President-Elect; Bruce

Borgman, of French Hospital, San Francisco, Vice President; Laura Herradora, of Providence Hospital, Oakland, Secretary-Treasurer; and Marion Allen, of Ralph Davies Medical Center, San Francisco, Program Chairman.

Seven western chapters participated enthusiastically in the first Western Regional Registry Review and Continuing Education meeting held at Harrah's Convention Center in Reno, NV, on Feb. 19–21. The comprehensive scientific program included registry review sessions, quality control of in vivo and in vitro procedures, and other interesting topics. This event was the most ambitious undertaking of the Chapter to date. The encouraging response of the other chapters and commercial exhibitors promises to make this meeting an annual event.

Several other symposia which are being planned, as well as the conjoint California meeting to be held in San Francisco in Oct. 1976, propose an exciting year for the Northern California Chapter.

—*Rose Ann Anderson*

#### **Pacific Northwest Chapter**

The Annual Winter Society Meeting of the Chapter had an excellent turnout. The technologists met and elected the new national delegate; two nominees for national office were later submitted.

Discussion of an active continuing education program prompted new interest in forming an organized chapter. Details will be discussed at the spring meeting to be held in Portland, OR, at the Benson Hotel on Friday and Saturday Mar. 26–27, 1976. For additional information contact Susan L. Hemingway, Pacific Northwest Chapter National Delegate, 22985 Marine View Drive, No. 228, Des Moines, WA 98188.

—*Susan Hemingway*

#### **Pittsburgh Chapter News**

The Pittsburgh Chapter held its quarterly meeting Dec. 12 at



Conemaugh Valley Memorial Hospital in Johnstown, PA. Mr. Dick Mullen from Baird-Atomic spoke to the small audience present about cardiovascular studies. The next meeting, hopefully to be a dinner meeting, is planned for Apr. 23 at Bradford Hospital. We solicit any comments and opinions regarding subject matter to be covered at the next meeting, or any ideas pertinent to our Chapter.

—Christine Woodrum

### Rocky Mountain Chapter

The Rocky Mountain Chapter has finished holding elections from the four-state area including Utah, Colorado, Wyoming, and New Mexico. The officers, who will hold office from Jan. 15, 1976, through Jan. 15, 1977, are as follows: Paul Christian, Salt Lake City, President; Bill Currie, Denver, President-Elect; Rita Vigil, Santa Fe, Secretary-Historian; Warren Strayer, Casper, Treasurer; Doug Wigton, Colorado Springs, National Delegate; Trudy Battison, Salt Lake City, National Delegate-Elect. The Bylaws were also passed as presented.

We would like to remind everyone about the Rocky Mountain Nuclear Medicine Conference. It will be held at the Executive Tower Inn in Denver on Apr. 1-3. For information contact Linda Greenberg, PO Box 18589, Denver, CO 80218.

—Doug Wigton

### Southeastern Chapter

Five hundred sixty-three persons and 150 exhibitors registered for the 16th Annual Meeting of the Southeastern Chapter. The meeting was the best yet, with excellent facilities, local arrangements, registration, scientific papers, continuing education program, audiovisual program, and technologists' workshop. Congratulations to all the chairpersons.

The proposed Constitution and Bylaws changes sent to the

membership prior to the meeting were revised and approved. Hopefully these changes will make our Bylaws more compatible with the Technologist Sections Bylaws. A copy will be sent to the Section upon completion.

This year the Technologist Section of the Southeastern Chapter submitted the following names to the Technologist Section Nominating Committee Chairman Vincent V. Cherico for consideration: Richard J. Beschi, Barbara Horton, Ellis W. Blanton, Douglas Weitzel, and Jennifer Matthews. Next year we plan to submit one technologist name from each state in our chapter.

At the National Council Meeting, June 19th, 1975, a request was made by the Southeastern Chapter for clarification of the Section's Bylaws concerning Article IX—Amendments. At the suggestion of President Isserstedt, Donald R. Bernier, Bylaws Committee Chairperson, consulted Dr. Ronald Evens, the Society's immediate past parliamentarian. It was Dr. Evens' opinion that paragraph 2 was in continuation of paragraph 1. Paragraph 1 of Article IX outlines the procedure for initiating a proposal for amendment and the mechanism for approval by the Council of such a proposal. Paragraph 2 defines how that approved proposal becomes a reality and specifies what constitutes proper notification of the membership.

Upon receiving this information the National Council delegate of the Southeastern Chapter consulted Dr. Arthur Dratz, Bylaws Committee Chairman of the Southeastern Chapter, and Mr. Craig Harris, past President of SNM. It was their opinion that the above interpretation may have been the originators' intent, but the literal interpretation does not connect the second paragraph to the first. Therefore, the Bylaws can be amended by either paragraph 1, Article IX, or paragraph 2, Article IX, and, furthermore, by Robert's Rules of Order (Newly Revised) the Section would

be obligated to mail any proposed amendment to all members of the Section thirty (30) days prior to the Annual Meeting or the Winter Meeting of the Section.

January 1976 saw the end of the Newsletter of the Technologists of the Southeastern Chapter, the first number of which was published back on March 30, 1971. The technologists newsletter was replaced by a chapter newsletter with three editors. Jennifer Matthews, the technologist editor, has appointed Ms Rita Boyd as student editor. Ms Matthews feels that the students of this profession have the fresh, eager, and alert minds to carry our profession forward, and their contribution will provide the missing link which will enhance communication among all of us involved in nuclear medicine.

Local groups within the Chapter are very active. Two meetings with scientific programs were held in Asheville, NC. The first program, held on Oct. 29, 1975, dealt with the Brattle physiological synchronizer, and the second, on Dec. 2, 1975, dealt with radiopharmaceuticals. The North Carolina Nuclear Medicine Technologists, Inc., held its first annual meeting, Dec. 6-7, in Winston-Salem, NC.

A nuclear medicine seminar for referring physicians and technologists was held at the Sheraton Hotel, Columbia, SC, Jan. 23-24, 1976. The seminar was designed for the practicing physicians and technologists in the field, as well as for the referring physicians. Recent advances were presented and their usage and limitations explored.

RMEC and SCAR will sponsor a cardiopulmonary resuscitation course and a registry review in Birmingham, AL, Apr. 14-15, prior to the 3rd Annual Meeting of the Alabama Society of Nuclear Medicine, which will be held in Anniston, AL, Apr. 15-17, 1976.

The Florida Nuclear Medicine Technologists 5th Annual Meeting is slated for Apr. 29-May 1, 1976, at the Sheraton Bel Aire of St.

Petersburg, FL. An excellent scientific session, registry review, and large exhibit are planned.

The Florida Nuclear Medicine Technologists (FNMT) are asking for support from the Society of Nuclear Medicine in their attempt to have clarified the Florida State Clinical Laboratory Law, Chapter 483, Sec. 10D-4.01(2)F.S., which is threatening the livelihood of these technologists and could very easily affect all nuclear medicine technologists.

The State of Florida, Division of Health, Bureau of Laboratories, is citing nuclear medicine laboratories for failure to obtain a license even though the departments are currently and specifically authorized to perform in vitro procedures through the Division of Health, Bureau of Radiological and Occupational Health.

Nuclear medicine technologists utilize radioactive materials by performing in vivo and in vitro diagnostic studies. "Under the present Clinical Laboratory Law/Clinical Laboratories Act, only licensed clinical laboratory technologists are permitted to perform *any* test on blood or other body fluid samples." The State of Florida has never certified anyone as a radioimmunoassay technologist and the FNMT are not aware of any future plans for this type of certification by the State.

On Sept. 18, 1975, Don Ward, FNMT Licensure Chairperson, met with Nathan Schneider, Chief, Bureau of Laboratories, and asked for clarification of the Clinical Laboratory Law. Dr. Schneider stated that the law needed no clarification and would stand as is! In view of the results of this meeting and the unfairness of the Clinical Laboratory Law, the FNMT have retained a lobbyist and a draft of a bill which was proposed several years ago is now in the hands of a legislative attorney. The lobbyist fee is \$7,500.00. The FNMT have made a down payment of \$2,500.00 with an agreement to pay the remaining \$5,000.00 within one year. Their treasury

balance is now only \$761.59. To fulfill the lobbyist commitment, they have doubled their membership dues (total membership 275), and have considered, as a last resort, assessing each member x number of dollars to create revenue. For more information please write to Don Ward, Tampa General Hospital, Nuclear Medicine Dept., Tampa, FL 33610.

—Frances N. Kontzen

### **Southern California Chapter**

The new officers of the Southern California Chapter were installed during the conjoint meeting of the Northern and Southern chapters in October at the Marriot Hotel in Los Angeles. They are as follows: Kirk Finch, President; Sally Van Ormer, President-Elect; Shirley Cash, Vice President; Dian Campion, Secretary-Treasurer; and Joan Herbst, National Council Delegate Alternate. Eileen Brief continues in the office of National Council delegate for the balance of her two-year term.

Outgoing President Danielle Gueorev announced the forthcoming publication of a Chapter technologist section membership roster.

One of the first accomplishments by the new president has been the establishment of a 24-hr telephone service for use by the technologists and those institutions seeking technologists for their nuclear medicine departments. For those technologists who are new to the area and are seeking employment, or for hospital use, information can be obtained by calling (213) 991-0392.

The first dinner meeting of the year was held Jan. 15th in Hawaiian Gardens.

The first planned scientific workshop will be held in Palm Springs on May 22-23, 1976. Program and reservation forms will be mailed in advance of the meeting.

The Arizona Technologist Section, in conjunction with the University of Arizona, presented a

very successful seminar for nuclear medicine technologists at the Ramada Inn in Tucson in November: The program included some excellent lectures and three workshops.

—Eileen Brief

### **Southwestern Chapter**

The National Squibb Nuclear Medicine Seminar held in Houston in November was a resounding success, with 54 technologists and physicians in attendance. Almost all aspects of the field were covered, including physics, radiation effects, safety and protection, production and clinical applications of radionuclides, instrumentation, imaging techniques, thyroid function, and principles of RIA; a "hands-on" digoxin workshop was also presented. In addition to presenting a fine seminar, many favorable references were made to the *Journal of Nuclear Medicine Technology*, as well as to SNM and the Technologist Section. This sort of crossover support and cooperation lends a greater strength to our field.

Helen Busby, scientific program chairman, is working diligently at finalizing plans for the Southwestern Chapter Annual Meeting to be held in New Orleans this March. The schedule includes papers on CEA troubleshooting, LFOV camera as a general purpose system, complementary role of nuclear medicine and ultrasound, prolactin by RIA, unusual concentration of <sup>67</sup>Ga-citrate, and <sup>201</sup>Tl in myocardial ischemia and acute myocardial ischemia. Also scheduled is a CEA wet workshop and a panel discussion on the complete nuclear medicine facility—in hospital, outpatient, intensive care unit, and radiochemistry lab.

A bachelor of science program in nuclear medicine will open in Aug. 1976 at the Incarnate Word College in San Antonio. The program will involve 2 years in classroom and 2 years in-hospital training.

The San Antonio Technologist Section, now presided over by Clement Staniewicz, was very proud to have Dr. Henry Wagner as guest speaker at their January meeting.

Dr. George Meckstroth recently spoke to the New Orleans Technologist Section regarding radiation safety and protection.

Central Oklahoma installed new officers in November—Ron Lee, President and Program Chairman; Sharon Fisher, Secretary-Treasurer; and Henry Fry, Council Representative.

North Texas is as busy as ever. Their November Technologist Section meeting drew 46 people to Waco to hear a cardiovascular nuclear medicine talk presented by

Randy Radke. Another cardiovascular seminar, sponsored by Ohio Nuclear, Inc., in Dallas this December, was very well attended by 130 people.

North Texas is presently at work on the June 1976 Annual Meeting of the Society of Nuclear Medicine, and on a spring symposium dealing with the thyroid.

From the Northeastern Oklahoma Technologist Section, all three students at St. Francis Hospital in Tulsa passed the ARRT registry and are ready for the ASCP.

Following up on the installation of a camera in the intensive care unit, Houston's Methodist Hospital reports a 97% positive rate out of 140 scans performed thus far. This

should certainly indicate the need for an "in-ICU" nuclear medicine facility.

The Ark-La techs installed new officers at their December meeting—Deborah Moore, President; Ruth Dufrene, President-Elect; and Doretta Hutto, Secretary-Treasurer. Shirley Ledbetter retains her position as National Council delegate.

On a final sad note, the Southwestern Chapter wishes to express sincerest sympathy to the family, friends, and associates of Dr. Ted Bloch, President of the Southwestern Chapter, who passed away recently.

—Ann Logan

## News from Overseas

### Australia

There are two centers of nuclear medicine technologist training in Australia, one in Melbourne, the other in Sydney. They are both three-year in-service training programs, with a comprehensive syllabus of lectures given at the Institutes of Technology in both cities. The entry requirement for these courses is a Higher School Certificate with at least Grade I or II passes in Science, including Physics, Mathematics, and English. (The Higher School Certificate is the final examination taken at the end of 6 years High School).

Recognized training departments of nuclear medicine in both cities interview and employ their own trainees for in-service training, with a combined annual intake of at least 14-16 trainees per year per city. Training courses in other cities are now being established, but in the meantime a correspondence course is available from Melbourne. The course was first established in Melbourne in Jan. 1964, and then in Sydney in 1971. Both training programs have produced excellently trained nuclear medicine tech-

nologists in all aspects of nuclear medicine.

Sydney and Melbourne each have their own state technologist societies of nuclear medicine which conduct regular meetings and publish a local newsletter. Last year technologists from all states of Australia formed an Australian Society of Nuclear Medicine Technologists, under the auspices of the general Australian & New Zealand Society of Nuclear Medicine. An accreditation committee has been elected to ensure that a minimum standard of proficiency in nuclear medicine technology prevailed throughout all nuclear medicine departments in Australia. There is a technologist program at each annual scientific nuclear medicine conference, with Mallinckrodt Awards presented for the best technologist paper and exhibit.

For technologists who may yearn to visit Australia and mix a little business with pleasure, the First Asia and Oceania Congress of Nuclear Medicine is being held in Sydney Sept. 6-10, 1976. It promises to have a very interesting scientific program, with many overseas delegates. A Mallinckrodt Award will also be given for the best technical exhibit at the Congress.

The exciting social program in-

cludes an aboriginal "Corroboree" dinner cruise on our magnificent harbor, a concert performance at the famed Opera House, and a visit to a koala bear sanctuary. Pre- and post-Congress tours to all points of our Continent are also available.

—Lillian M. Freeman

### Israel

The story of nuclear medicine in Israel began with the arrival of the first shipments of  $^{131}\text{I}$  and  $^{32}\text{P}$  in March 1952. In the next eight years, five clinical institutes of nuclear medicine were founded in the young country. The first Israeli National Congress of Nuclear Medicine, held in 1960, summarized the various achievements of these centers. The following decade was marked by rapid growth in terms of both the number of workers engaged in the field and the amount of equipment. The results were an increase in the number of diagnostic and therapeutic procedures, and the launching of several research projects and teaching programs. Two atomic piles became operational during that period, thus launching local production of radiopharmaceuticals. The advances of the sixties were reflected in the second and third Na-

tional Congresses in 1965 and 1970. A new, third stage began in 1972 with the educational and professional organization of the field. This led to the official recognition of nuclear medicine by the Israeli health authorities as an autonomous specialty in 1974. At present, some 23 years since its beginnings, Israel boasts 12 institutes of nuclear medicine with 20 physicians, six of them specialists, 42 PhD's and MS's, and nearly 100 trained radioisotope technicians.

As of 1974, there were 11 active radioisotope clinical units, as compared to 2,310 in the US and 897 in Japan. With those countries' present population levels, this gives one unit per approximately every 273,000 inhabitants in Israel, with 100,000 and 123,000 inhabitants served by a unit in the US and Japan, respectively. In the same year Israel had one scanner per 300,000 inhabitants and one camera per 333,300. In the US there was one scanner per 90,200 and one camera per 121,000. In Japan the corresponding figures were 244,400 and 550,000.

In the first year, 1952, clinical radioisotope work consisted of three diagnostic and three therapeutic procedures. In 1969 there were 45 and 14 procedures, respectively; in 1970, 48 and 15; and in 1973, 52 and 15. In a population of 2½ million in 1969, 22,270 people were examined and treated in the nuclear medicine institutions, 33,835 in 1970 and over 55,000 in 1973.

The 1974 figures also show that in Israel there were 36,000 in vivo tests and 81,000 in vitro tests performed. The figures for the US were 4,803,000 and 8,600,000, respectively. [The above comparative figures were extracted from Bennett LR, Fleischer A: *The practice of nuclear medicine in the United States*; and Hisada K: *Nuclear medicine as a medical specialty in Japan*. Both in *Proc of the First World Congress of Nuclear Medicine*, Tokyo, 1974, pp 401-403, 412.]

The present status of nuclear medicine in Israel was discussed at

the Fourth National Congress of Nuclear Medicine, in Tel Aviv, Dec. 21-23, 1975. The program of the Congress included scientific sessions and symposia on 12 nuclear medicine subjects, and exhibits of instrumentation, radiopharmaceuticals, and books.

The story of nuclear medicine in Israel has been greatly influenced by The Israel Society of Nuclear Medicine. Established in 1962 and comprised of physicians and paramedical workers in the field, the Society has at the present time some 60 members. Meetings which include scientific sessions are held periodically, up to four times a year, and every five years the Society contributes to the organization of the National Congress of Nuclear Medicine. It is recognized as a part of the Israel Medical Association. In 1974 nuclear medicine received official recognition as an autonomous specialty.

—S. T. Zwas

#### Malaysia

In Malaysia there are presently only two centers catering nuclear medicine service to the population of more than 10 million. Both are in Kuala Lumpur, one at the Memorial Hospital and one at the University Hospital, which handles only a very small portion of study. To ease the congestion of patients to a particular center, another center is being built in Penang Island about 250 miles away from here. Hitherto there is no technologist posted there by the Ministry of Health. Incidentally, the technologists running the laboratory here at the Memorial Hospital are isotope technicians and at the moment there are only four, all trained overseas as there are no training facilities here yet. The overall head here is a senior consultant radiotherapist with a sectional head, a consultant physician, at the nuclear medicine section. Legislation which governs the use of isotopes is not too clear at the moment, and only technologists and physicians with

specific training in the field of nuclear medicine technology can administer or handle radioisotopes.

—Forn Han Wong

#### Mexico

The next annual meeting of the Society will take place on May 1-4, 1976, in Guaymas, Sonora, at the Hotel San Carlos. For more information contact Dr. J. Manuel Sotomayor, Secretary of the Society of Nuclear Medicine, Av. La Paz #2309, Guadalajara, Jalisco, Mexico.

The Mexican Society of Nuclear Medicine was established on July 29, 1965. The first general assembly of the Society took place on Mar. 25, 1966. It was set up with the following types of membership: full members, associate members, associate technologist members, technologist members, and honorary members, as well as founding members. The first president was Dr. Felicito Callejas Ramos. Presently the president is Ms Q. F. B. Ninfa Guerrero de Callejas, whose term of office will expire in June 1976. The Society currently publishes an informative, nonscientific, quarterly review called *Centelleos*, a complimentary copy of which may be obtained from our president at Fernandez Leal #151 A, Coyoacan, Mexico 21, D.F.

To become an associate technologist member, one has to be working in the field of nuclear medicine for no less than two years. One also has to obtain personal recommendations from two full members. The recommendations should be sent to the president at the above-mentioned address.

—Margarita Jauregui T.

#### Phillippines

A post 2nd Asian and Oceanian Congress of Radiology Conference on Nuclear Medicine was held in Manila last Nov. 15, 1975. The meeting was well attended by

prominent nuclear medicine specialists as well as technologists and technical staffs of the exhibitors, which included Searle Nucleonics, Ohio-Nuclear, and Toshiba. The wholesome topics varied from basic radiation physics to computerization, from thyroid to tumor application, and from blood volume test to radioimmunoassay.

—Edna C. Domingo

### Puerto Rico

Dr. Aldo Lanaro, Director of the Nuclear Medicine Section at the Puerto Rico Nuclear Center and Vice-President of the Association of Latin American Societies of Biology and Nuclear Medicine, recently at-

tended the second Brazilian Congress in Biology and Nuclear Medicine and the second Regional Journey of the Association. He also visited Buenos Aires and collaborated in the preparation of a radioimmunoassay glossary that will be published in the journal of the Association.

Dr. Grafton D. Chase, from the Department of Chemistry and the College of Pharmacy and Sciences at Philadelphia, was invited by the Society of Nuclear Medicine and the Puerto Rico Nuclear Center to deliver two lectures. The topics were on the theoretical model for radioimmunoassay and the theoretical versus empirical approaches to RIA data reduction. The first one was held on Nov. 23 in Mayaguez, PR,

and the second one on Nov. 24 at the Puerto Rico Medical Center in Rio Piedras.

Dr. Richard Holmes, Director of the Nuclear Medicine Department of the Medical College of Wisconsin at Milwaukee, spoke to several groups at Ponce and the VA Hospital in San Juan. He spoke in four different areas. They were (A) brain imaging for vascular lesions, (B) metabolic bone imaging, (C) newer aspects of pulmonary imaging, and (D) dynamic radionuclide organ imaging. He also spoke to the members of the Society of Nuclear Medicine of Puerto Rico, where he was proclaimed an honorary member.

—Rafael Bernabe Prida

## Technologist Survey

Last June, the Continuing Education Committee of the Technologist Section mailed a questionnaire to all Technologist Section members to obtain an up-to-date profile of the profession. A similar survey was conducted several years ago. The data were tabulated by personnel at the office of the Society of Nuclear Medicine and the results were analyzed by the Continuing Education Committee.

### Salaries

Chapter	Number responding	Average salary
Central	94	12,400
Eastern Canada	2	10,000
Eastern Great Lakes	13	13,600
Greater New York Area	71	13,100
Hawaii	2	11,000
Mid-East	38	13,400
Missouri Valley	38	11,600
New England	40	11,600
Northern California	48	14,400
Pacific Northwest	4	11,000
Pittsburgh	7	10,700
Prairie Provinces	0	—
Rocky Mountain	5	11,400
Southeastern	74	12,700
Southern California	52	13,200
Southwest	45	11,700
	533	12,600

of Health, Urology, Biophysics, Outpatient clinic)	30	5%
Internal Medicine	18	3%
Your primary activities are best described by which of the following categories?		
Imaging and in vitro	231	(36%)
Administration	195	(30%)
Education	104	(16%)
Research	37	(6%)
Imaging	37	(6%)
In vitro	36	(6%)

Which of the following categories best describes your job classification?		
Chief technologist	280	(44%)
Staff technologist	113	(18%)
Senior technologist	89	(14%)
Administrator	51	(8%)
Instructor	35	(5%)
Research	12	(2%)

At present, your job is under the jurisdiction of which of the following departments?

Radiology	256	41%
Nuclear Medicine	238	39%
Pathology	75	12%
Other (Ministry of Health, Surgery, Radiation Therapy, Medical Ultrasound, California Dept.		

### Other

(graduate student, program coordinator, research technician, assistant chief technician, sales student, ultrasound technician, supervisor, health physician, educator, radiation protection specialist, technical director, administrator, trainee, biochemist, coordinator, sales engineer, department head, program director)

Which of the following best identifies the extent of your formal education?

College credits/no degree	250	(40%)
Baccalaureate degree	183	(29%)
High school	96	(15%)
Associates degree	69	(11%)
Master's degree	26	(4%)

Which of the following best identifies your background prior to entering the nuclear medicine technology field?

X-ray technologist	306	(49%)
Medical technologist	113	(18%)
Baccalaureate degree	100	(16%)
Other	96	(15%)

(secretary, radiochemist, pharmacy assistant, A.A. in education, bookkeeper, nun, psychiatry, electronics, ultrasound, research lab technician, sales manager, science teacher, teacher, hematology, marine biologist, physics, cytology, sociology, military, public health lab, x-ray technician, health physics, nuclear research, chemistry, EEG technician, radiotech biologist, physician assistant, medical secretary, chemistry teacher, embryology research, biochemist, C.L.A., medical photographer, physiology research)

Nurse	14	(2%)
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What is the size of the hospital in which you are employed?

200- 500 beds	289	(52%)
500- 800 beds	104	(19%)
0- 200 beds	89	(16%)
800-1100 beds	40	(7%)
Over 1100 beds	30	(5%)

Who is responsible for radiation protection in your hospital?

In-house radiation protection officer	355	(54%)
Nuclear medicine technologist	143	(22%)
Outside radiation protection officer	105	(16%)
Other	34	(5%)
Radiologic technologist	17	(3%)

What would be the source of funds for expenses incurred by attending professional meetings?

	<i>Hospital</i>	<i>Myself</i>	<i>Physician</i>
Local meeting	166 (34%)	306 (63%)	16 (3%)
Chapter meeting	230 (48%)	226 (47%)	24 (5%)
National meeting	292 (59%)	170 (35%)	30 (6%)

How many professional meetings have you attended during the last 12 months?

	0	1-2	Over 3	Total
<b>In-house</b>				
Nuclear medicine topics	231	158	184	573
Related to nuclear medicine	295	135	132	
Not related to nuclear medicine	465	93	70	
<b>Outside meetings</b>				
Nuclear medicine topics	31	120	329	480
Related to nuclear medicine	323	149	93	
Not related to nuclear medicine	293	91	68	

Generally, from what type of teaching method do you benefit most?

Lab workshop	319	(34%)
Lecture	217	(23%)
Discussion	211	(23%)
Paper presentations	77	(8%)
Home study courses	61	(7%)
Independent study/audiovisuals	42	(5%)

What do you believe to be the optimum number of days for a continuing education program?

2 days	338	55%
3 days	248	40%
1 day	19	3%
Other	13	2%

Who prepares radiopharmaceuticals in your lab?

Technologists	466	86%
Radiopharmacist	52	10%
Other	21	4%

What topics would you benefit from the most in a continuing education program?

*Basic level*

1. Computers—175
2. Data processing—166
3. Liquid scintillation detector—124
4. TLD—116
5. Statistics—114
6. Multichannel analyzer—108
7. Radioimmunoassay—106
8. Student counseling—89
9. Ferrokinetics—85
10. Administration—83

*Intermediate level*

1. Statistics—185
2. Mathematics—171
3. Personnel management—149
4. Computers—144
5. Administration—141
6. Educational objectives—139
7. Instructional media—136
8. Radiommoassay—132
9. Budgets—132
10. Educational testing methods—131

*Advanced level*

1. Gamma cameras—218
2. Brain imaging—214
3. Bone imaging—209
4. Liver imaging—206
5. Lung imaging—202
6. Spleen imaging—194
7. Heart imaging—179
8. Rectilinear scanners—178
9. Pancreas imaging—161
10. Thyroid imaging—160

**Summary—highlights of the questionnaire.**

1. Average salary for responding nuclear medicine technologists in the country is \$12,600.
2. The number of technologists working in nuclear medicine departments which are autonomous from radiology departments is about equal to those working in departments under the jurisdiction of radiology.
3. Two-thirds of the respondents are involved in either education or in imaging and in vivo.
4. 44% of the respondents have the job title of chief technologist.
5. 85% of the respondents have college background.
6. Nearly half of the respondents enter nuclear medicine technology after training in x-ray technology.
7. The members of the Technologist Section have diverse backgrounds in that 15% of the respondents were employed in nonrelated fields before entering nuclear medicine technology.

8. Over half of the members of the Technologist Section work in hospitals whose size is 200-500 beds.
9. In over half of the hospitals, the in-house radiation protection office is responsible for protection.
10. Most technologists pay their own way to local meetings, but hospitals usually pay expenses for national meetings.
11. 94% of all respondents participated in some continuing education activities during the past year.
12. 95% of the respondents prefer a two- to three-day continuing education program.
13. Most of radiopharmaceutical preparation is performed by nuclear medicine technologists.

## Bylaws Changes to be Voted on by the Membership

Bylaws changes were approved by the National Council at the Third Annual Meeting of the Section in St. Louis on Feb. 5, 1976. These changes must be voted upon by the membership at the next Business Meeting of the Section in Dallas on June 9, 1976.

Out of a total of 20 changes proposed by the Bylaws Committee to the National Council, 19 were approved after minor modification and consolidation. The remaining changes along with two changes proposed by the Central Chapter and by Tech Section member R.E. Andrews, all of which dealt with Article IX—Amendments, were referred to the Executive Committee for modification, to be returned to the Council at its next scheduled meeting.

### Housekeeping Changes

Ten of the proposed changes are considered "housekeeping changes" to correct punctuation and outdated terminology or clarify intent.

1. In the title "Bylaws of the Technologist Section . . .," insert a period after July 7, 1970.
2. **Article III, Paragraph 2, No. 2:** Change last word from "technologists" to "technology."
3. **Article IV.2.d:** Eliminate second sentence "an interim . . ." and replace with "an interim meeting of the Council shall be held prior to the Mid-Winter Meeting of the Section."
4. **Article V, Paragraph 1, No. 2:** Delete "(with the concurrence of the National Council)" in the third sentence.
5. **Article VI, Paragraph 1, No. 2:** Delete second, third, and fourth words "slate of candidates" and replace with "nominees."
6. **Article VI, Paragraph 1, No. 4.d:** Change in its entirety to read: "For the Finance Committee there shall be two names listed with space for one write-in nominee."
7. **Article VI, Paragraph 1, No. 9:** Change in its entirety to read: "For the Finance Committee the one nominee receiving the largest number of votes shall be elected."
8. **Article VI, Paragraph 1:** Change No. 11 to No. 12 and insert the following as No. 11: "To be elected each write-in candidate must indicate willingness to accept office not later than one day after tabulation of the ballots."
9. **Article VII.1.f:** Delete the third sentence.
10. **Article VII.1.f:** Delete fourth and fifth sentences and replace with "The Chairperson of the Publications Committee shall submit to the President the names of two persons he recommends to serve as Committee members. Their term of office shall be three years."

### Changes to the Bylaws

#### Change 1.

#### Article III, Paragraph 3: Replace by

Members of the Section are of two categories.

1. MEMBERS pay dues, receive the official publications of the Section, have the right to vote on all issues presented to the membership, and may serve on the National Council or as an officer of the Section, except for those whose primary affiliation is in commercial research, development, or sales, who may serve in an appointed capacity only.
2. FELLOWS shall be those members of the Section who have contributed significantly to the Section and who demonstrate outstanding ability in the field of nuclear medicine technology.

Nominations to this category may only be made by a Fellow or by the Committee of Fellows. Nominations shall be made in writing with proper justification thereof to the Committee of Fellows. Nominations shall be considered by the Committee and it is necessary for three-fourths acceptance for preliminary approval. Approved nominees shall submit an application and a thesis of an original work related to nuclear medicine technology, and shall fulfill all requirements of the point evaluation scale established by the Committee of Fellows. Upon completion of the requirements, a nominee shall be awarded Fellowship by the National Council after a two-thirds affirmative vote of all Fellow members.

Additionally, the Section shall maintain two categories of affiliation for individuals who need not be members of the Society. They are:

1. STUDENT AFFILIATES are persons enrolled in a training program in nuclear medicine technology and certified as students by the director of training for that institution. They pay application fees and dues as outlined elsewhere in the Bylaws, receive all publications of the Section, have the right to vote on all issues presented to the membership, and may hold appointive office only.
2. DISTINGUISHED HONOREES are persons proposed for this distinction by the Membership Committee or National Council and are accepted by a two-thirds vote of the National Council. They need not be members of the Section or the Society but should have distinguished themselves by their contribution to nuclear medicine or the Section. Honorary members do not pay dues, have the privilege of attending meetings without payment of fees, and will receive the *Journal of Nuclear Medicine Technology* without payment therefor.

*These changes are recommended as a mechanism for the Section to honor both members and nonmembers for their contributions to nuclear medicine technology and to provide students with an opportunity to become acquainted with their future professional organization. It would allow them a voice in their affairs without the financial encumbrance of having to pay dues to the Society.*

#### Change 2

**Article III, Paragraph 4, No. 1:** Add the following as the last sentence: "Because of the large geographical distribution of its members, regional chapters may designate subsections in any one state, metropolitan, or geographic area."

*This change is recommended to provide, within the Bylaws, a mechanism for a situation which already exists on the chapter level. Members who cannot attend educational or business meetings of a*

chapter because of distance, inconvenience of travel, etc., may participate at the local level and thus have recognition in chapter affairs.

#### **Change 3.**

**Article VII.1.a:** Change the first sentence to read "President, President-Elect, Secretary-Historian, Treasurer, and chairpersons of the Finance and Publications committees are members."

*This change is recommended because the Finance and Publications committees are most involved in the monetary affairs of the Section. Their counsel and direction provide invaluable assistance in the business operations of the Section.*

#### **Change 4.**

**Article VII.1:** Add subparagraph h as follows:

- h. **COMMITTEE OF FELLOWS:** The membership of this committee shall consist of four Fellows. The President shall appoint one member annually to serve a four-year term. The Chairperson shall be chosen by mutual consent. This committee shall meet annually to evaluate nominees, and to review the requirements of the point evaluation scale for Fellows and adjust as necessary. Until such time as there are four Fellows, the President shall fill vacancies on the Committee from the membership of the Council of Past Presidents.

*This is a companion to change 1, and provides a method for selecting those individuals worthy of Fellowship.*

#### **Change 5.**

Advance the number of Articles IV through XI by one and insert a new Article IV as follows:

#### **ARTICLE IV**

#### **DUES**

1. The National Council will establish annual dues and may establish application fees assessments for Members and Student Affiliates. Distinguished Honorees will not be required to pay annual dues.
2. Unpaid dues become delinquent on March 1. The rights and privileges of membership, including voting, the holding of office, and committee membership, are suspended during the period of delinquency. Rights and privileges will be reinstated upon payment of delinquent dues within the calendar year. After expiration of the calendar year, reinstatement can be accomplished only by reapplication for membership.

*This change is recommended to clarify the dues and fee structure and to prescribe delinquency dates and penalties.*

#### **Change 6.**

It is proposed that the term "Mid-Winter Meeting" be replaced by "Annual Meeting of the Section" and the term "Annual Meeting" or "Annual Business Meeting" be replaced by "Annual Meeting of the Society."

*This change is recommended to eliminate improper terminology and to establish an annual meeting of the Section different from that of the Society.*

## **Vote Now for Your Officers and Committee Members**

If you are a paid-up member of the Technologist Section, you will be receiving a ballot in a separate mailing to elect your 1976-1977 officers and committee members. Given on the following pages are the curricula vitae of all candidates for your review. The Nominations Committee urges you to read them carefully before voting.

### **PRESIDENT-ELECT**

#### **James K. Langan**

**Chapter:** Mideastern

#### **Present Position:**

Chief Nuclear Medicine Technologist, Johns Hopkins Hospital, Baltimore, MD

Director, Nuclear Medicine Technology Program, Essex Community College, Essex, MD

#### **Educational Background:**

School of Radiologic Technology, Johns Hopkins Hospital, Baltimore, MD

#### **Registration:** ARRT

#### **Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Mideastern Chapter, SNM  
Mideastern Chapter, Technologist Section, SNM

#### **Awards and Recognitions:**

First Prize, Technologist Scientific Exhibit, SNM Annual Meeting, 1972

First Prize, Technologist Scientific Exhibit, SNM Annual Meeting, 1973

#### **Publications and Presentations:**

Author of nine published scientific and educational papers; presented numerous papers at national and local SNM meetings

#### **Offices Held:**

1971: President, Chesapeake Nuclear Medicine Technology Society  
1972: Scientific Program Chairman, Technologist Section, SNM

1973: Treasurer, Technologist Section, SNM

1974: Secretary-Historian, Technologist Section, SNM

1975: Scientific Program Chairman, Technologist Section, SNM

1976: Chairman, Publications Committee, Technologist Section, SNM

#### **Richard S. Pollack**

**Chapter:** Greater New York Area

#### **Present Position:**

Technical Director, Nuclear Medicine Department, JFK Medical Center, Edison, NJ

Associate Director, School of Nuclear Medicine Technology, JFK Medical Center, Edison, NJ

#### **Educational Background:**

Long Island University, Brooklyn, NY, B.S. in biology, M.S. in radiation biology

Rutgers University, New Brunswick, NJ, Ph.D. candidate

#### **Registration:** ARRT

#### **Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Greater New York Area Chapter, SNM  
Greater New York Area Chapter, Technologist Section, SNM  
American Nuclear Society

State Society of Nuclear Medicine Technologists of New Jersey

American Association for the Advancement of Science

American Association of Physicists in Medicine

#### **Publications and Presentations:**

Author of five published scientific papers; presented two scientific exhibits at SNM national meetings



**Offices Held:**

1973–1974: President-Elect, Greater New York Area Chapter, Technologist Section, SNM  
 1973–1974: Chairman, Scientific Program Committee, Technologist Section, SNM  
 1974–1975: President, Greater New York Area Chapter, Technologist Section, SNM  
 1975–1976: Nominating Committee, Technologist Section, SNM  
 1975–1976: Chairman, Council of Past Presidents, Greater New York Area Chapter, Technologist Section, SNM  
 1974–present: Consultant on Nuclear Medicine Technology to New Jersey Commission on Radiation Protection

**SECRETARY-HISTORIAN****Michael L. Cianci****Chapter:** Mideastern**Present Position:**

Supervisor, Department of Nuclear Medicine, Oscar B. Hunter Memorial Laboratory, Washington, DC

**Educational Background:**

Scranton State General School of X-Ray Technology, 1964–1965  
 University of Scranton, Scranton, PA, B.S. in biology, 1964–1968  
 Nuclear Medicine Institute, Cleveland, OH, 1969–1970

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
 Technologist Section, Society of Nuclear Medicine  
 Mideastern Chapter, Technologist Section, SNM  
 American Society of Radiologic Technologists

**Publications and Presentations:**

Author of one published scientific paper, one scientific paper to be published, and three published abstracts; co-author of audiovisual *Quality Assurance in the Nuclear Medicine Laboratory*

**Offices Held:**

1974: President, Mideastern Chapter, Technologist Section, SNM  
 1974: Co-chairman, Scientific Program Committee, Technologist Section, SNM  
 1975: Scientific Program Committee, Technologist Section, SNM  
 1975–76: National Council Delegate, Technologist Section, SNM  
 1975–1976: Associate Editor, JNMT  
 1976: Scientific Program Committee, Technologist Section, SNM

**Barbara K. Horton****Chapter:** Southeastern**Present Position:**

Chief Technologist, Department of Nuclear Medicine, DeKalb General Hospital, Decatur, GA

**Educational Background:**

Samford University, Birmingham, AL, 1963–1968  
 University of Alabama, Birmingham, AL, 1970  
 School of Nuclear Medicine Technology, VA Hospital, University of Alabama Medical Center, Birmingham, AL, 1969–1970

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
 Technologist Section, Society of Nuclear Medicine  
 Southeastern Chapter, SNM  
 Southeastern Chapter, Technologist Section, SNM  
 Georgia Society of Nuclear Medicine Technologists  
 Atlanta Society of Radiologic Technologists  
 Georgia Society of Allied Health Professions  
 Metro Atlanta Society of Nuclear Medicine

**Publications and Presentations:**

Author of five scientific and educational presentations; co-author of one scientific presentation

**Offices Held:**

1972–1974: Licensure Committee, Georgia Society of Radiologic Technologists

1974: Chairman, Organizational Committee, Metro Atlanta Society of Nuclear Medicine Technologists

1974–1975: Organizational and Bylaws Committee, Georgia Society of Nuclear Medicine Technologists

1974–1975: Georgia Representative, Council of the Southeastern Chapter, Technologist Section, SNM

1974–1975: Chairman, Local Arrangements Committee, Southeastern Chapter, Technologist Section, SNM

1974–1975: Licensure and Registration Committee, Technologist Section, SNM

1975: Legislative Affairs Committee, Technologist Section, SNM  
 1975: Secretary (Charter), Georgia Society of Allied Health Professions

1975: President (Charter), Georgia Society of Nuclear Medicine Technologists

**TREASURER****Robert J. LaDue****Chapter:** Missouri Valley**Present Position:**

Chief Technologist, Nuclear Medicine Division, University of Iowa Hospitals and Clinics, Iowa City, IA

**Educational Background:**

Wisconsin State University, Stevens Point, WI, 1963  
 St. Joseph's Hospital School of Radiologic Technology, Marshfield, WI, 1964–1966

St. Joseph's Hospital, Marshfield, WI, nuclear medicine training, 1967

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
 Technologist Section, Society of Nuclear Medicine  
 Missouri Valley Chapter, Technologist Section, SNM  
 American Society of Radiologic Technologist

**Offices Held:**

1973–1974: Continuing Education Committee, Technologist Section, SNM

1973–1975: Publications Committee, Technologist Section, SNM

1974–1975: President, Missouri Valley Chapter Technologist Section, SNM

1974–1976: Book Review Editor, JNMT

1975–1976: Chairperson, Scientific Program Committee, Technologist Section, SNM

**Susan C. Weiss****Chapter:** Central**Present Position:**

Chief Nuclear Medicine Technologist, Division of Nuclear Medicine, The Children's Memorial Hospital, Chicago, IL

**Educational Background:**

University of Minnesota, Minneapolis, MN, nuclear medicine training, 1965–1966

Roosevelt University, Chicago, IL, B.S. in biology, 1974

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
 Technologist Section, Society of Nuclear Medicine  
 Central Chapter, Technologist Section, SNM  
 Delaware Valley Society of Nuclear Medicine Technology  
 Associate and Technical Affiliates of the Chicago Area, SNM  
 Pediatric Nuclear Medicine Club, SNM

**Awards and Recognitions:**

Best Paper Award, J. Nucl. Med. Technol., Vol. 2

**Publications and Presentations:**

Author of two published scientific papers; seven presentations at national and local SNM meetings

**Offices Held:**

1972-1974: Secretary-Treasurer, Associate and Technical Affiliates of the Chicago Area (ATACA)  
1972-1973: Co-editor, ATACA Newsletter  
1974-1975: Chairman-Elect, ATACA  
1974-1975: Chairman, Membership Committee, ATACA  
1974: JNMT Correspondent, Central Chapter, Technologist Section, SNM  
1974: Membership Committee, Central Chapter, Technologist Section, SNM  
1975-1976: Membership Committee, Technologist Section, SNM  
1975-1976: President-Elect, Central Chapter, Technologist Section, SNM  
1975-1976: Chairperson, Membership Committee, Central Chapter, Technologist Section, SNM  
1975-1976: Program Chairman, Central Chapter, Technologist Section, SNM  
1976-1977: Secretary-Treasurer, Pediatric Nuclear Medicine Club, SNM  
1976-1977: Chairperson, ATACA  
1976-1977: Program Committee, Central Chapter, Technologist Section, SNM  
1976-1977: Continuing Education Committee, Technologist Section, SNM

**NOMINATING COMMITTEE****Richard J. Beschi****Chapter:** Southeastern Chapter**Present Position:**

Chemist and Training Coordinator, School of Nuclear Medicine Technology, Veterans Administration Hospital, Birmingham, AL

**Educational Background:**

University of Padua, Padua, Italy, 1940-1942  
University of Alabama, Birmingham, AL, 1957-1959  
Jacksonville State University, Jacksonville, AL, B.S. in chemistry, 1961

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Southeastern Chapter, Technologist Section, SNM  
American Chemical Society  
American Health Physics Society  
American Association for the Advancement of Science

**Awards and Recognition:**

Who's Who, American Colleges and Universities, 1961

**Publications and Presentations:**

Author of 14 published scientific papers; co-author or presenter of 14 papers at national and local meetings

**Danny L. Jergensen****Chapter:** Pacific Northwest**Present Position:**

Chief Technologist, Nuclear Medicine Department, General Hospital of Everett, Everett, WA

**Educational Background:**

University Hospital, University of Wisconsin, Madison, WI, radiological technology, 1967  
St. Francis Hospital, Wichita, KS, nuclear medicine technology, 1969

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Pacific Northwest Chapter, Technologist Section, SNM

**Offices Held:**

1973-1975: National Council Delegate, Pacific Northwest Chapter, Technologist Section, SNM

**Danielle G. Kavanaugh****Chapter:** Southern California**Present Position:**

Technical and Educational Director, Section of Nuclear Medicine, St. Joseph Hospital, Orange, CA  
Radiation Safety Officer, St. Joseph Hospital and Children's Hospital of Orange County, Orange, CA

**Educational Background:**

University of California, Los Angeles, CA, B.S. in physics, 1961-1965  
University of California, Santa Barbara, CA, M.S. in biochemistry, 1965-1967

Cancer Foundation, Santa Barbara, CA, nuclear medicine technology training program, 1965-1967

Massachusetts Institute of Technology, Cambridge, MA, biophysics postgraduate program, 1968-1969

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Southern California Chapter, SNM  
Southern California Chapter, Technologist Section, SNM  
American Registry of Radiologic Technologists  
American Society of Radiologic Technologists  
Society of Nuclear Medicine Technologists  
Regional Society of Nuclear Medicine Technologists  
American Society of Health Physicists

**Publications and Presentations:**

Author of 18-20 scientific and educational papers and publications

**Offices Held:**

1970-1971: Chairman, Regional Society of Nuclear Medicine Technologists  
1972-1974: National Council Delegate, Southern California Chapter, Technologist Section, SNM  
1974-1975: President-Elect, Southern California Chapter, Technologist Section, SNM  
1975-1976: President, Southern California Chapter, Technologist Section, SNM  
1975-1976: Legislative Committee, Technologist Section, SNM  
1975-1976: Nominating Committee, Technologist Section, SNM  
1976-1977: California Legislative Committee, Northern-Southern California Chapters, Technologist Section, SNM

**Monroe Morris****Chapter:** Northern California**Present Position:**

Technologist, Letterman Army Medical Center, San Francisco, CA

**Educational Background:**

Academy of Health Services, Fort Sam Houston, TX, medical laboratory technology, 1958, 1961-1962  
U.S. Naval Medical Center, Bethesda, MD, nuclear medicine training, 1968-1969

**Registration:** ARRT**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Northern California Chapter, Technologist Section, SNM

**Publications and Presentations:**

Author of a scientific paper presented at a national seminar

**Offices Held:**

1972: National Council Delegate, Northern California Chapter, Technologist Section, SNM  
1973: Chairman, Registration Committee, Northern California Chapter, Technologist Section, SNM  
1973: Bylaws Committee, Northern California Chapter, Technologist Section SNM  
1972-1973: President-Elect, Northern California Chapter, Technologist Section, SNM

1972-1973: Membership Committee, Northern California Chapter, Technologist Section, SNM  
1973-1974: President, Northern California Chapter, Technologist Section, SNM  
1973-1974: Legislative Committee, Northern California Chapter, SNM  
1974-1975: Chairman, Nominating Committee, Northern California Chapter, Technologist Section, SNM  
1975: Co-chairman, Program Committee, Northern California Chapter, Technologist Section, SNM

#### **Lance H. Rose**

**Chapter:** Pittsburgh

**Present Position:**

Technical Director, Nuclear Medicine Department, Presbyterian-University Hospital, Pittsburgh, PA  
Educational Director, School of Nuclear Medicine Technology, Presbyterian-University Hospital, Pittsburgh, PA

**Educational Background:**

U.S. Naval Medical School, Bethesda, MD, nuclear medical training, 1965

University of Maryland, College Park, MD, B.Sc. in science education, 1972

Graduate School of Health Related Professions, University of Pittsburgh, Pittsburgh, PA, attending currently

**Registration:** ARRT and ASCP

**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Pittsburgh Chapter, Technologist Section, SNM  
Health Physics Society

**Publications and Presentations:**

Author of two scientific papers; three presentations at local and national meetings

**Offices Held:**

1973-1976: National Council Delegate, Pittsburgh Chapter, Technologist Section, SNM

1973-1974: President, Pittsburgh Chapter, Technologist Section, SNM

1975-present: Associate Editor, JNMT

#### **Anne K. Usseglio**

**Chapter:** New England

**Present Position:**

Chief Technologist, Nuclear Medicine Unit, Malden Hospital, Malden, MA

**Educational Background:**

Boston University, A.A., 1959

Boston University, B.A. in biology, 1968

**Registration:** ASCP

**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
New England Chapter, Technologist Section, SNM  
Health Physics Society

**Publications and Presentations:**

Author of a scientific paper presented at a local meeting; Workshop leader, national meeting.

**Offices Held:**

1972-1973: Spring Symposium Chairman, New England Chapter, Technologist Section, SNM

1972-1973: Scientific Program Committee, New England Chapter, Technologist Section, ANM

1973-1974: Finance Committee, New England Chapter, Technologist Section, SNM

1973-1974: Chairman, Massachusetts Grass Roots Program, Technologist Section, SNM

1974: Committee, Joint Meeting, Technologist Section, SNM, and Health Physics Society

#### **MEMBERSHIP COMMITTEE**

##### **Connie Brennan**

**Chapter:** Missouri Valley

**Present Position:**

Chief Technologist and Department Head, Nuclear Medicine Laboratory, St. Louis University Hospital, St. Louis, MO

Clinical Instructor, Nuclear Medicine Technology Program, St. Louis University in cooperation with Veterans Administration Hospital, St. Louis, MO

**Educational Background:**

St. Louis University, St. Louis, MO, B.S. in medical technology, 1970

St. Louis University-Veterans Administration Hospital, St. Louis, MO, AMA-approved nuclear medicine technology training program, 1970

St. Louis University, St. Louis, MO, pursuing Masters degree in business administration currently

**Registration:** ASCP

**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Missouri Valley Chapter, SNM

Missouri Valley Chapter, Technologist Section, SNM

Greater St. Louis Nuclear Medicine Technologist Association, SNM

**Publications and Presentations:**

Author of one published scientific paper

**Offices Held:**

1974-1976: Continuing Education Committee, Technologist Section, SNM

1975: Secretary-Treasurer, Greater St. Louis Nuclear Medicine Technologist Association, SNM

1975-1976: Nominating Committee, Technologist Section, SNM

1976: Vice President, Greater St. Louis Nuclear Medicine Technologist Association

##### **Ann C. Logan**

**Chapter:** Southwestern

**Present Position:**

Supervisor, Outpatient Nuclear Medicine Facility, Health Care Center, Methodist Hospital, Houston, TX

**Educational Background:**

E. R. Squibb & Sons, Inc., New Orleans, LA, radioisotope orientation course, 1971

Continuing Education Program, Technologist Section, San Diego, CA, 1974

Continuing Education Program, Technologist Section, Houston, TX, 1975

Houston Community College, Houston, TX, currently enrolled

**Registration:** ASCP

**Organizational Affiliations:**

Society of Nuclear Medicine  
Technologist Section, Society of Nuclear Medicine  
Southwestern Chapter, SNM

Southwestern Chapter, Technologist Section, SNM

Curriculum Subcommittee for Nuclear Medicine Technician Program, Houston Community College

**Publications and Presentations:**

Author of two scientific and educational papers

**Offices Held:**

1973-1974: Secretary-Historian, Houston Technologist Section, SNM

1974-1975: President-Elect, Houston Technologist Section, SNM

1975-1976: President, Houston Technologist Section, SNM

1975: Nominations Committee, Southwestern Chapter, Technologist Section, SNM

1975-1977: Newsletter Editor, Southwestern Chapter, Technologist Section, SNM

1975: Co-Chairman, Local Arrangements Committee, Technologist Section, SNM

1975-1976: *JNMT* Reviewer

### **Jessie J. Matthews**

**Chapter:** Southeastern

**Present Position:**

Technical Director, School of Nuclear Medicine Technology, Self Memorial Hospital, Greenwood, SC

Chief Nuclear Medicine Technologist, Self Memorial Hospital, Greenwood, SC

**Educational Background:**

School of Radiologic Technology, Self Memorial Hospital, 1965-1967

**Registration:** ARRT

**Organizational Affiliations:**

Society of Nuclear Medicine

Technologist Section, Society of Nuclear Medicine

Southeastern Chapter, Technologist Section, SNM

South Carolina Society of Radiologic Technologists

Piedmont Chapter of Radiologic Technology

American Society of Radiologic Technologists

**Awards and Recognitions:**

Second-place, scientific exhibit, South Carolina Society of Radiologic Technologists

**Publications and Presentations:**

Author of scientific paper presented at a local meeting.

**Offices Held:**

1967-1968: Secretary-Treasurer, Piedmont Chapter, South Carolina Society of Radiologic Technologists (SCSRT)

1968-1969: Vice President, Piedmont Chapter, SCSRT

1969-1970: President, Piedmont Chapter, SCSRT

1970-1971: Editor of State Journal, SCSRT

1971-1972: Secretary, SCSRT

1972-1973: Treasurer, SCSRT

1973-1974: Vice President, SCSRT

1974-1975: President-Elect, SCSRT

1975-1976: President, SCSRT

1975-1976: Newsletter Editor, Southeastern Chapter, Technologist Section, SNM

1975-1976: President-Elect, Southeastern Chapter, Technologist Section, SNM

## **FINANCE COMMITTEE**

### **Sherry A. Lee**

**Chapter:** Greater New York Area

**Present Position:**

Chief Technologist, Department of Nuclear Medicine, Martland Medical Center, Martland, NJ

**Educational Background:**

Drew University, Madison, NJ, B.A. in zoology, 1967

**Registration:** ARRT

**Organizational Affiliations:**

Society of Nuclear Medicine

Technologist Section, Society of Nuclear Medicine

Society of Nuclear Medicine Technologists of New Jersey

**Publications and Presentations:**

Workshop leader; presented case report at local meeting

**Offices Held:**

1972-1973: Treasurer, Greater New York Area Chapter, Technologist Section, SNM

1974-1975: President-Elect, Greater New York Area Chapter, Technologist Section, SNM

1975: Chairperson, Spring Symposium of Greater New York Area Chapter, Technologist Section, SNM

1975-1976: President, Greater New York Area Chapter, Technologist Section, SNM

### **Deborah Perkins**

**Chapter:** New England

**Present Position:**

Director, Nuclear Medical Technology Program, Bunker Hill Community College, Charlestown, MA

**Educational Background:**

University of Massachusetts, Boston, MA, B.S. in biochemistry, 1969

**Registration:** ASCP

**Organizational Affiliations:**

Society of Nuclear Medicine

Technologist Section, Society of Nuclear Medicine

Association of Schools of Allied Health Professions

**Publications and Presentations:**

Author of scientific paper presented at a national meeting.

**Offices Held:**

1970-1971: Co-Chairperson, Continuing Education Committee, New England Chapter, Technologist Section, SNM

1971-1973: Continuing Education Committee, Technologist Section, SNM

1972-1973: Publications Committee, Technologist Section, SNM

1972-1973: Assistant Editor, *JNMT*

### **Douglas B. Wigton**

**Chapter:** Rocky Mountain

**Present Position:**

Director, Department of Nuclear Medicine and Ultrasound, Penrose Hospital, Colorado Springs, CO

**Educational Background:**

Monmouth College, Monmouth, IL, 1961-1966

Hospital Corps School, San Diego Naval Hospital, San Diego, CA, 1967

National Naval Medical Center, Bethesda, MD, nuclear medicine technology, 1968

University of Colorado, Colorado Springs, CO, currently working toward degree in mathematics and computer science

**Registration:** ARRT and ASCP

**Organizational Affiliations:**

Society of Nuclear Medicine

Technologist Section, Society of Nuclear Medicine

Rocky Mountain Chapter, SNM

Rocky Mountain Chapter, Technologist Section, SNM

**Publications and Presentations:**

Author of two papers presented at national and local meetings.

**Offices Held:**

1971-1972: Southern California Advisor to Society of Nuclear Medicine Technologists

1972-1973: President, San Diego Segment, Southern California Chapter, Technologist Section, SNM

1972-1973: Executive Board and Licensure Committee, Southern California Chapter, Technologist Section, SNM

1973-1975: National Council Delegate, Rocky Mountain Chapter, Technologist Section, SNM

1973-1975: Continuing Education Committee, Technologist Section, SNM

1974-1975: Membership Committee, Technologist Section, SNM