

Technologist News

The Clinical Laboratories Improvement Act

The Clinical Laboratories Improvement Act, introduced this summer by Senators Javits and Kennedy, serves to strengthen the already existing Clinical Laboratories Act of 1967 which is claimed by some to have proved inadequate in establishing and maintaining acceptable standards of laboratory performance. Upon introduction of the bill, Senator Javits pointed out that most recent statistics (1972) show that there is a 25% margin of error in laboratory results, even under test conditions. In its effort to raise the standards of both the clinical facilities and personnel competence, this act re-emphasizes the importance of quality equipment and personnel. The federal government is involved in these state matters due to interstate commerce laws and financial commitments in the form of Medicaid and Medicare payments for certain clinical laboratory procedures. Nuclear medicine technologists should be aware of this new bill and its provisions, because *in vitro* studies which might possibly be considered within the definition of a clinical laboratory procedure account for a great many technologist procedures.

S.1737 provides that federal regulations shall establish the minimum standard requirements. When states' codes are more exacting, states' laws shall prevail. To establish these standards, the Secretary of Health, Education, and Welfare will create an Office of Clinical Laboratories and an Advi-

sory Council on Clinical Laboratories which will cooperate in the development of uniform guidelines relating to laboratory licensing and personnel and performance standards required by the bill.

Nuclear medicine technologists, as clinical laboratory personnel, are encouraged to participate in the formation of these guidelines through the Tech Section of the Society.

As of this date, licensing regulations for both laboratories and personnel are being debated in Florida and New York. To make clear the needs of those in nuclear medicine, the Society of Nuclear Medicine submitted written testimony to the Senate Labor and Public Welfare Committee, Subcommittee on Health, in September, reiterating that to maintain and assure the quality of radioassay (*in vitro*) studies in clinical laboratories, nuclear medicine technology specialists should perform these procedures. "S.1737 and any subsequent regulations (must) assure that those specially trained and qualified in nuclear medicine be specifically included as specialists qualified to perform nuclear medicine assay procedures and to develop performance standards for these procedures." Clinical chemists are not specialists in these areas.

By means of this testimony, the interests of the technologists have been expressed on the national level. However, it is the hope of the Tech Section and the Society that tech-

nologists will become involved with their own state legislatures to see that they, as specialists, are licensed as qualified personnel to do procedures in clinical laboratories.

Tech Section Officers Hike Capitol Hill

Tech Section President Glenn Isserstedt, President-Elect Mark Muilenburg, and SNM's Executive Director Margaret Glos visited with 23 Congressmen and their key staff members on Capitol Hill on Oct. 28. These introductory meetings were arranged by the Society's new Washington Health Representative, Terry L. Schmidt. The purpose of the visits was to make the involved legislators aware of the activities and interests of the Tech Section and of the Society, and to familiarize them with the concerns that workers in nuclear medicine have about current legislation.

Chief among these concerns are the ERDA appropriations which could include as much as \$2 million especially earmarked for nuclear medicine, and the new Clinical Laboratories Bill which could affect nuclear medicine technologists doing *in vitro* procedures. It is the Section's position that those specially trained and qualified in nuclear medicine be specifically included as specialists qualified to perform nuclear medicine assay procedures and to develop performance standards for these procedures.

Warm receptions and indications of awareness and concern marked this initial visit to the Hill. It was emphasized that it is essentially up to the Tech Section and the Society as specialty organizations to keep abreast of current issues. The ability to do this is greatly enhanced by the services of Terry Schmidt, who is in constant contact with members of Congress and their staffs. Membership involvement is encouraged and welcomed especially through

participation in discussions on the subcommittee level. The recommended method of involvement is written testimony such as the Society's official position statement regarding the Clinical Laboratories Improvement Act.

Relations with Congressmen and their staffs need not and should not be limited to Executive Committee members as representatives of the Tech Section. Each member has the right and the responsibility to express his/her views as a citizen and as a concerned specialist in the field of nuclear medicine.

Now that communication channels have been opened by leaders of the Tech Section, the opportunity is established for member and non-member technologists to effectively present their views to the people directly responsible for the creation and formulation of legislation so pertinent to the future of nuclear medicine, as well as to those specialists who have made work with radiopharmaceuticals their career.

Terry Schmidt will bring everyone up to date on the Washington scene at the opening session of the St. Louis meeting. This is a session you won't want to miss!

Last Chance for ABNM Certification

The American Board of Nuclear Medicine will hold its Fourth Certifying Examination in Nuclear Medicine on Sept. 18, 1976.

This is the last examination given under the present requirements. Board eligibility in 1977 will require two years of creditable residency training in nuclear medicine.

Those who are Board Certified in another medical specialty and have appropriate experience in nuclear medicine may still apply for the 1976 examination. For more information contact: American Board of Nuclear Medicine, 475 Park Ave. South, New York, NY 10016.

Convairs to Carry Radioactive Cargo

A new airline company, Republic Airlines, has applied to the Civil Aeronautics Board for permission to begin a service devoted solely to the transportation of hazardous materials between St. Louis and other points in the country. Radiopharmaceuticals presently fall under the category of hazardous materials and thus would be potential cargo for the new airline.

William L. Kester, President of Republic Airlines, is a former nuclear physicist and is confident of the quality of his service. Four specialists in hazardous materials will be working with him, and each crew will be headed by a cargo master especially trained to work with such

cargo as radioactive materials. Stringent efforts will be put forth to see that all regulations are followed.

At first glance, an airline devoted solely to the transportation of hazardous cargo appears ideal. However, ironically, it is possible that such a special service might not be good enough. Passenger aircraft flights cover more distance with greater frequency and have greater accessibility to population centers than do cargo flights. There are approximately 13 times as many airports handling commercial and freight service than just air cargo, and so deliveries would still be made too infrequently with too long a delay in flight schedules.

How Well Are You Paid?

The Northern California Chapter of the SNM recently conducted a survey of technologist base salary ranges per year in northern and southern California.

Whereas both areas had fairly similar ranges—with salaries ranging from a low \$7,000 for staff technologists, to a rare high of \$23,000 for chief technologists—northern California technologists appear to be enjoying slightly better financial benefits.

An average salary for staff technologists in the south is \$12,056, with most responses in the range of \$12,000 to \$14,000. While in the north the average is \$13,255, with most employment in the \$12,000–\$16,000 range.

Section supervisors' salaries are closely correlated, with averages of \$14,375 and \$14,334 for south and north, respectively.

The majority of assistant chief technologists in the south are in the \$10,000–\$12,000 range, with an average of \$12,333. Their northern counterparts, on the other hand, are more privileged, with a majority in

the \$12,000–\$14,000 range (\$12,000 being the minimum salary reported for this position in the north) and an average of \$14,375. A northward migration may be expected soon in this area!

The starting levels for chief technologists were \$10,000 in the south and \$7,000 in the north. In both regions, however, the largest number of responding technologists were paid in the \$14,000–\$16,000 range, with averages of \$14,905 and \$14,574 in the north and south, respectively.

The survey was based on 70 individuals responding in the south and 100 in the north.

Copies of the survey may be obtained from Ms. Katie Lambert, French Hospital, 5th and Geary Sts., San Francisco, CA.

The *JNMT* is interested in publishing results of any salary survey that might have been conducted in other areas. If your chapter or group has any survey information, please send it to: The Journal of Nuclear Medicine Technology, 475 Park Ave. S., New York, NY 10016.



'Twas the Night Before Christmas

'Twas just hours till Christmas and all through the night,
Technetium-99m was grounded from each passenger aircraft flight.
We techs were strung out as we paced to and fro,
Worrying which way ALPA's ruling would go.



The patients were nestled, some snug in their beds,
But one in three had troubled thoughts in their heads.
Passions were peaked. Pulses ran high.
Some prayed to that Radiopharmacist up in the sky.



When up on the roof we techs heard such a clatter,
We jumped in despair to see, "Now, what's the matter?"
Across to the windows we flew in distress
To see what worse could happen to add to our mess.



The moon on the breast of the newfallen snow,
Gave the luster of midday to a weird sight below:
For what to our strained, bloodshot eyes should appear
But a squadron of Deltas harnessed to flying reindeer!

With two proud smiling drivers, one with eyes like a hawk,
He, we knew in an instant, must be Santa Gottschalk.
And as dry leaves before the hurricane fly,
Briner Claus beside him waved a victorious "Hi!"



From the House, to the Senate, every place on the Hill,
To manufacturers, to pilots, to preach SNM's will.
And then as "light dawned" we heard on the roof,
The prancing and pawing of each tiny hoof.

More rapid than rockets the towed Deltas came
And They smiled as they petted and called them by name:
"Now Goodrich, Now Linton, Now Echols, Now 'Rudy,'
On Harris, O'Donnell, On Tario, On Judy."



WELL!



In shock and amazement we were stumbling about,
When through the main air vent they fell with a shout.
The stump of a ceegar, Santa bit 'tween his lips,
Claus came up behind, with a smile on his lips.



They spoke not a word, but went straight to their work.
They stocked all the labs, then turned with a jerk,
And raising a finger, as an announcement Claus gives,
We cry out in chorus, "Radiopharmaceutical Transportation Lives!"



He said, "This shipment has the 'generator,' and more,
Category II and III stuff is further down on the floor.
Liquid material containers almost broke—" how we squealed!
"But good luck for the reindeer, they were hermetically sealed."

"The FAA's need for safety we share
Especially when driving these contraptions through air!
But we feel if the government follows its rules,
Enforcement by inspection, limited wipe testing would do
To protect aircraft passengers and our patients, too,
But we're just doing this tonight, one more run and we're through!"



Then pointing a finger to from whence they'd dropped
They crept into the vent and soon were back out on top.
They sprang to their sleigh, to the deer gave a sign
And away they all flew, Deltas on their own by this time.



But I heard them exclaim, as they drove out of view,
"Keep your eyes on FAA. You never know what they'll do!"

— Karen J. Chang

Executive Committee Meets Twice in Fall

Your Executive Committee has been hard at work this fall! To give on-going attention to the many action items that come to the Tech Section each week, the Committee has met twice this fall—once in September and once in November.

Among the many issues considered were the registry situation, future meeting sites, efforts to increase membership, a re-evaluation of the budget, continuing education programs, and the philosophy of the Tech Section on a number of issues. All issues will be brought before the National Council delegates when they meet on Feb. 4 and 5 in St. Louis.

Have You Met Your Match?

Thanks to the generous donations of a total of \$360 recently made by the Central, Mideastern, and Missouri Valley chapters, our campaign to match the Greater New York Chapter pledge of \$1000—to be used in the area of continuing education and accountability—is well under way. We've got the bit between our teeth and it is only a matter of time before all chapters have contributed the cumulative sum of \$1000 necessary to match New York's pledge.

Continuing education and accountability will offer fine programs of educational interest and importance to nuclear medicine technologists. Credit can be applied for and accumulated for attendance at these programs (and certificates will be awarded). Even now as we are requesting your participation, many opportunities and activities of importance and interest to you as technologists are presenting themselves. Glenn Isserstedt, Lou Izzo, and Margaret Glos are looking forward to initiating these rewarding

programs, and with your support we expect to be "off and running" in the near future. So don't just "champ at the bit" in anticipation of the fine educational programs ahead, but send in your "bit" and let's begin right away.

AMA Section on Nuclear Medicine Approved

In mid-October the AMA Board of Trustees accepted the recommendation of the Council on Scientific Assembly and voted to establish a permanent section on Nuclear Medicine, waiving the usual two-year probationary period since the documentation provided by those in the field of nuclear medicine convinced the trustees that nuclear medicine has already fulfilled the requirements.

The organizations that will be represented on the Section Council are the Society of Nuclear Medicine, the American College of Nuclear Medicine, and the American College of Nuclear Physicians. There are to be six members of the Section Council selected on the basis of the number of AMA members in each constituent organization.

During the initial period of organization of the Section, Dr. Frederick Bonte and Dr. Henry N. Wagner, Jr., have volunteered to serve as chairman and secretary, respectively.

AMA Contract to Train Site Inspectors

The Tech Section is participating in an AMA program to develop criteria and train site visitors to evaluate training programs in the allied health professions. The Tech Section represents one of 8 allied health professions chosen from

among 26 to take part in the program, which is being carried out under a three-year government grant. Tech Section President Glenn Isserstedt and Executive Director Margaret Glos represented the Tech Section at the first planning meeting in September.

As part of the program, the group will set up biannual three-day workshops to evaluate appropriate criteria for evaluating training programs and for training site visitors. Nuclear Medicine will be covered in a workshop in Atlanta and another in Boston. Representatives of the Tech Section will attend these two workshops, develop appropriate criteria for nuclear medicine training programs, and then apply them on an actual site visit. The results of these and other workshops aimed at the needs of the seven other allied health professions will be summarized in a final document developed by the total committee.

MIRD Pamphlets

Two new MIRD pamphlets have been published: *Radionuclide Decay Schemes and Nuclear Parameters for Use in Radiation-Dose Estimation* (No. 10), by L. T. Dillman and F. C. Von der Lage, and 'S,' *Absorbed Dose per Unit Cumulated Activity for Selected Radionuclides and Organs* (No. 11), by W. S. Snyder, M. R. Ford, G. G. Warner, and S. B. Watson. Both are available in loose-leaf binder format to permit periodical revision and addition of other data.

These pamphlets are available from the MIRD Committee, 404 Church Ave., Suite 15, Maryville, TN 37801. Orders must be accompanied by a check made payable to the Society of Nuclear Medicine or be in the form of a purchase order. Pamphlet No. 10 is \$8.75 per copy including the loose-leaf binder and \$6.50 without it. Pamphlet No. 11 is \$10.20 with the binder and \$7.95 without.

Gesellschaft für Nuclear Medizin Meeting Wrap-up

The Gesellschaft für Nuclear Medizin held its 13th International Meeting on September 8-11, 1975, in Copenhagen. The program of 188 papers was devoted to Quality Factors in Nuclear Medicine; it was opened by Dr. Soren K. Sorensen, Director General of the National Health Service of Denmark.

The presentations pointed to computer analysis of gamma scintigraphic studies as the area of most significant progress in nuclear medicine. For example, Frank DeLand of the University of Kentucky showed functional images of dynamic brain perfusion studies which provided evidence of cerebral circulatory abnormalities in 50% of a group of 51 patients; only 18% of these abnormalities were revealed when they were evaluated without the functional analysis. Another example was provided by K.E. Britton, of Middlesex Hospital in London, who, using a computer subtraction technique, showed adrenal tumor localization in patients within the same day of administration of ^{131}I -iodocholesterol. Without the use of such techniques these tumors cannot be visualized until 5 to 10 days after the tracer is administered.

The program also furthered the trend towards dynamic liver studies, as 7 out of the 10 papers in the "Liver and Spleen" session were about dynamic radioisotope liver function tests. The session was concluded by a comparison of a liver scan to the grey scale ultrasound liver examination by V.R. McCready (Great Britain) who demonstrated a variety of cases where the ultrasound picture revealed structural abnormalities not seen in the scan. However, he noted the complimentary role of the two techniques by showing functional abnormalities seen only in the radioisotope scan.

Highlighting radiopharmaceutical development was the report by G. Subramanian that $^{113\text{m}}\text{In}$ bone

scanning agents can be prepared from instant kits containing the phosphate analogs of DTPA-type chelating agents. A disappointment came from the report by C.G. Olson (Lund, Sweden) who showed that the performance of $^{99\text{m}}\text{Tc}$ -labeled streptokinase was unreliable for the detection of deep vein thrombosis. This group will probably switch to ^{123}I -labeled plasmin for their future clinical evaluations. A report with projected widespread future application was given by van Rijk, of Utrecht, the Netherlands, who used a radiolabeled mucoid to quantitate liver lysosome activity.

The last session of the four-day meeting was opened by B. Mosslin, of Malmo, Sweden, who stressed the importance of measuring and reporting the sensitivity, specificity, and the predictive value of new nuclear medicine procedures. This lecture was followed by a series of papers reporting and discussing normal values of currently accepted measurements of thyroid and renal functions.

Several factors contributing to the quality of nuclear medicine were stressed in this meeting; among them were (A) training of physicians in both the knowledge of sciences basic to nuclear medicine and in the art of interacting effectively with the patient while employing the tools created by this science, (B) improving the performance of the procedures through the use of better imaging devices, quality controlled tracers, and computers to assist in data analysis and display, (C) designing procedures with maximized (and known) effectiveness for assisting in making medical decisions, (D) determining normal values and knowing how these values can change with factors such as age, and (E) serving good Danish beer with lunch.

BUCK A. RHODES
University of Kansas
Kansas City, Kansas

The Drive Thrives

As we announced in the September issue of *JNMT*, if you send in 10 membership applications together to the Tech Section by the 3rd Winter Meeting, the Section will pay your membership dues.

Mark Muilenburg, chairman of the Membership Committee, reports gratifying responses to this membership drive which was initiated just this September. Tech Section membership applications are continually coming into the National Office. So far 100 have been submitted for review. It is still too early to project the final total. It is anticipated that there will be well over the 2,000 membership enrollments predicted last year. And the bigger we grow, the better we get.

General Business Meeting Notice

The General Business Meeting of the Technologist Section will be held at the 3rd Annual Midwinter Meeting of the Tech Section on Feb. 7, 1976, at the Chase-Park Plaza Hotel, in St. Louis, MO. This is your opportunity as a member to have input into the activities of the Tech Section. See you in the Chase Club Room from 4:30 to 5:30 pm!

"Movin' on up"? Send us Your New Address!

To avoid delay in the delivery of your *JNMT*, let us know your new address at least six weeks before you move. If you don't, you'll miss out because the post office does not forward journals.

Please send your old address as it appears on your mailing label, your new address including zip code, and the date you intend to move. Send this information to the Society of Nuclear Medicine Technologist Section, 475 Park Ave. S., New York, NY 10016.

Test Your Knowledge

- The rules and regulations of various Federal agencies are officially published for public comment and information in the
 - United States Pharmacopeia
 - Federal Register
 - Reader's Digest
 - Congressional Record
- The Federal agency which has the responsibility for regulating the health physics aspects of nuclear medicine is the
 - Atomic Energy Commission (AEC)
 - Department of Transportation (DOT)
 - Nuclear Regulatory Commission (NRC)
 - Federal Aviation Administration (FAA)
- Under current Food and Drug Administration regulations, only those radiopharmaceuticals which have ____ can be commercially distributed to nuclear medicine users.
 - an investigational drug license
 - been certified by the AEC
 - an approved new drug application
 - sterility and pyrogen testing completed
- Public Law 92-603 (an amendment to the Social Security Act), which affects the practice of medicine, was enacted by the Congress and
 - provides funding for investigating air transport of radioactive materials
 - defines Health Maintenance Organizations (HMOs) and Professional Service Review Organizations (PSROs)
 - provides for the advertisement of prescription drugs
- The Clinical Laboratories Improvement Act of 1967 (CLIA-'67) was enacted by Congress to provide for the licensing of clinical laboratories which are
 - involved only in interstate commerce
 - performing only nuclear medicine procedures
 - physically located only in hospitals
- The Clinical Laboratories Improvement Act of 1975, a *proposed* Federal bill, would extend the authority of CLIA-'67 to
 - all clinical laboratories
 - cover radiologic examinations
 - pay for hospital medical costs
 - certify radioimmunoassay kits
- At the present time, which of the following have operating licensure programs for radiologic (and by broad definition, nuclear medicine) technologists:
 - New York
 - Puerto Rico
 - New Jersey
 - California
 - all of the above
- There are ____ additional states (see Question 7) which have legislative authority to initiate standards for education and licensure of x-ray technologists.
 - six
 - three
 - eight
 - two
- Presently there is Federal Minimum Standards Legislation proposed for radiologic technologists. Among its provisions is the following.
 - HEW Secretary must develop within one year minimum standards for accreditation of school and licensure of technologists
 - States have two years to adopt the Federal standards or tougher ones
 - HEW Secretary shall consult with State Health Departments and concerned professional groups
 - All of the above
- What can a concerned technologist do regarding H.R. 559 and S. 1261, two Federal bills which authorize the licensure of nuclear medicine and radiologic technologists?
 - Write to the SNM National Office for additional information
 - Nothing but accept the results
 - Write to their Congressmen and express their opinions
 - a and c

Submitted by:
Donald R. Hamilton
Bureau of Radiological Health
Rockville, MD

ANSWERS: 1-b; 2-c; 3-c; 4-b; 5-a; 6-a; 7-c; 8-c (DE, GA, HI, KY, MN, MT, OR, VT); 9-d; 10-d

Chapter News

Central Chapter

"Radionuclide in Gastroenterology" was the topic of the Central Chapter's Fall Meeting in Cleveland, Oct. 18 and 19. The conjoint Physician-Technologist Section meeting was held at the Hospitality Inn South. A shortened version of the Continuing Education Program was presented on Saturday and invited papers were presented on Sunday. Invited speakers included David Wells, Editor *JNMT*, who presented "How to Give a Scientific Paper", and William Kokotis, who presented an informative talk on carcinoembryonic antigen. Other papers were presented by Central Chapter technologists on pancreas scanning, ultrasound, and GI tract. A "Rapping with the Presidents" session on Sunday morning gave Central Chapter technologists a chance to get to know our new presidents: Richard Holmes (Central Chapter) and William Setlak (Central Chapter Tech Section). A Tech Section business meeting was held on Saturday.

Technologists in Central Illinois have petitioned the Section for admission as a new local group. The petition has been approved and the group will add a new member to the council as soon as their bylaws are approved.

The Central Chapter Technologist Section is again planning a series of continuing education workshops to be presented in several cities. Planning and expenses will be shared with the Physicians Section. James Carlson, past president of the Central Chapter, has agreed to help organize the workshops again this year. The general theme will be radiation safety.

Another workshop for technologists on "Clinical Applications of the Gamma Scintillation Camera" was presented by the Indiana University Medical Center,

Division of Nuclear Medicine, on Oct. 31 - Nov. 1 in Indianapolis. The session was well attended.

On the legislative scene, five states in the Central Chapter are becoming involved in licensing of nuclear medicine technologists. The Michigan Radiologic Technologist Society is supporting a bill which will be introduced at the fall session of the Michigan legislature. No input from the nuclear medicine group was solicited. The details are not available at this time. The ATAMS group in Minneapolis is working with the x-ray technologists to write model legislation. Gail Person of the University of Minnesota Medical Center is chairperson of the committee. In Wisconsin, Bill Cressy of the University of Wisconsin Medical Center, legislative chairman of the x-ray technologist group, is working with the State Counselor General's office to determine the feasibility of licensing. Again, no input from nuclear medicine technologists was sought. The ISRT of Indiana will introduce a bill in December to the legislature. The NMTAI group has attempted to have input on behalf of nuclear medicine, but has had little success in achieving any compromise with ISRT. Larry Miller of Marion General Hospital, IN, has represented the group in these efforts.

In Illinois, Sue Weiss of ATACA became an invited member of the Radiation Licensure Development Committee when the committee members agreed that nuclear medicine technologists could be represented. The recommendations of the ATACA group were not accepted by the committee which met several times and developed a bill which it hoped would be presented in October. As of now, the bill has not been presented and possibly will not until late 1976. Much opposition to the bill was generated through the efforts of ATACA. The Illinois Radiologic Society and the Illinois State Medical Society were informed of the bill and subsequently

several individuals of each group expressed their concern to the Illinois Department of Public Health, co-sponsors of the committee. It is now planned that an ad hoc committee of representatives from all the interested groups will work on a compromise bill.

—Susan Weiss

Eastern Great Lakes Chapter

Ontario RTNMs can become members of two professional societies: a national society—the Canadian Society of Radiological Technicians, and also a provincial society—the Ontario Society of Radiological Technologists. Both societies have annual meetings which, in addition to the business functions, have time allotted for scientific sessions for three member disciplines (radiography, radiotherapy, and nuclear medicine).

At the 1975 Annual Convention of the Ontario Society, May 8-10 in Toronto, several members organized a series of meetings featuring scientific sessions for nuclear medicine technologists. The first of these meetings, attended by 32 technologists, was held at the Toronto Institute of Medical Technology, Sept. 13. The following speakers and topics were presented:

Mindy Silver, of the Mount Sinai Hospital, Toronto, on radionuclide venography.

Michael Budge, of the Toronto Institute of Medical Technology, on gated imaging in the diagnosis of myocardial asynergy.

Pat Bond, of the Hospital for Sick Children, Toronto, on Meckel's diverticulum.

At the time of this writing, the next meeting, to be held in London, Ontario, had not been finally scheduled. Future meetings will be held in various centers around the province and fellow technologists from the New York half of the Eastern Great Lakes Chapter are certainly most welcome.

—Lloyd B. Schneider

Greater New York Area Chapter

The active meeting year of the Greater New York Area Chapter was kicked off by the Delaware Valley Society of Nuclear Medicine Technologists which held its first Fall Symposium at the Marriott Motor Hotel in Philadelphia on Sept. 27. In spite of the rainstorms which battered the East for a few days and made traveling difficult, 126 registrants were treated to an outstanding program. Richard Pollack led off with a discussion on "Instrumentation Quality Control," followed by Leo Lopez, who brought forth some new insights to health law problems in the area of technologists liability in his talk entitled: "Technologist Liability in Nuclear Medicine". Mary Maurice spoke on "Radiation Biology and Nuclear Medicine—The State of the Art," followed by Michael Cianci on "Trouble Shooting R. I. A." Jim Langan reminded the attendees of the common and uncommon sources of scanning errors in his lecture entitled "Scan Screwups." The piece de resistance was provided by Vince Cherico in his presentation on "Myocardial Infarction Scanning", which included a comparison of the use of ^{99m}Tc -tetracycline, ^{99m}Tc -pyrophosphate, and thallium. John Reilly and his committee are to be congratulated on an excellent program.

The fledgling NYSS NMT also had its First Symposium on Oct. 4 at the Sheraton Eagle Bay Inn in Ossining, NY. The 60 registrants had their choice of registry review classes conducted by Bob Tokarz and Joan McKeown—including a discussion on clinical laboratory in nuclear medicine and in vitro tests, by Marge Iannone—or RIA workshops on HAA, T_3 , T_4 , and Digoxin led by Jim Weber and Kathy McEnery. Also offered were "Coronary-Pulmonary Resuscitation" by Marie Strang, and an excellent dissertation on medical emergencies in a nuclear medicine department by Donald Margoleff. The day's activities were capped off

by a stimulating panel discussion on the status of licensure for nuclear medicine technologists in New York. John Tassinari and his crew did a splendid job of organizing this fine program.

The Tech Section of the Greater New York Area Chapter held its Third Annual Fall Symposium on Oct. 11 and 12 at the Sheraton Inn, Hasbrouck Hts., NJ, with great success. There were sessions on registry review with Bob Tokarz, Ron Kappes, Richard Pollack, and Marge Iannone as faculty. The managerial section provided provocative discussions on group dynamics, presented by Ken Stuart and Cheryl Freilich of the Training and Development Section of Johnson and Johnson, and was well received by the people in attendance. This year, as an innovation, registrants were offered a package deal wherein one fee covered the costs of registration, room rent, the cocktail party, and a continental breakfast on Sunday, at which time the members heard an excellent talk by Ed O'Rourke on computerized transaxial tomography scanners. This special package fee was made possible with the help of Mallinckrodt, Inc., Medi-Physics, and the CIS Pharmaceutical Company. Congratulations to Dick Smillie and his committee for an outstanding job.

The NYSS NMTs Committee on Licensure Legislation has been hard at work on revisions of the bill for licensure of nuclear medicine technologists in New York State. The committee, all members of the the Tech Section, met with Howard Goldman, of the Bureau of Radiological Technology in Albany, on July 22 to explore the subject of licensure. Present were Mr. Goldman, his associate Mr. Cohen, Goldie Watkins (of the Bureau of Radiological Health), and her associate Mr. Potter. Representing the technologists were Shelley Ashley, Ron Andrews, Phil Ahrenhold, Vi Custer, and Norm Olsen. The meeting was quite

productive and the committee has been revising the bill along some of the lines suggested by Mr. Goldman and Ms. Watkins. The bill has been assigned a number, and our members have been promised support in the State Senate and the Assembly. We shall be making a full report on this at the National Council Meeting in St. Louis in February.

Anyone with news that belongs in the Chapter report should contact Vi Custer at Long Beach Memorial Hospital, Long Beach, NY 11561; (516) 432-8000, ext. 239.

—Vi Custer

Hawaii Chapter

The Fall Meeting of the Hawaii Technologist Section was held Nov. 14 at the Straub Clinic in Honolulu. Elections of officers for 1976 were held at that meeting, and Al Leong, Chief Technologist at St. Francis Hospital in Honolulu, became the new President. At the time of this writing, the names of those elected for the President-Elect and Secretary-Treasurer offices were still not known.

The meeting also featured a most interesting lecture on basic computer principles and applications.

—Katherine Schwenker

Mideastern Chapter

A "Workshop for Quality Assurance of Scintillation Cameras," cosponsored by the Chesapeake Nuclear Medicine Technical Society and the Nuclear Medicine Laboratory of the Bureau of Radiological Health, was held on Sept. 19-20 at the Essex Community College in Baltimore. Guest speakers were Edward U. Buddenmeyer, Associate Professor of Medicine, University of Maryland; Richard H. Van Tuinen, Chief of Quality Control, BRH, Cincinnati; Richard Gramm, Sales Representative, Searle Analytic; and Rosemary Longo, Assistant Chief Technologist, Johns Hopkins University. Barbara Jump, Program Coordinator, is to be commended

for providing an excellent program for the 35 participants.

The Mid-eastern Chapter Technologist Section held its Fall Meeting, entitled "Fall in Williamsburg", on Oct. 17-18 at the Hospitality House, Williamsburg, VA. The scientific program consisted of oral presentations on pediatric nuclear medicine, instrumentation, Delta scanner, radioimmunoassay, ultrasound, and radiation safety and protection.

The Chesapeake Nuclear Medicine Technical Society had a Dinner Meeting on Oct. 8, in Baltimore. The guest speaker was Henry N. Wagner, Jr., Johns Hopkins, who spoke on ventilation and perfusion lung scanning.

—Charles R. Harrell

Missouri Valley Chapter

The Missouri Valley Chapter has been extremely busy this fall with a variety of activities.

The St. Louis Association of Nuclear Medicine Technologists and the Mallinckrodt Institute of Radiology hosted a seminar for technologists Sept. 6 and 7. The seminar was presented in a workshop format with participants choosing either radioimmunoassay or imaging areas. The sessions were very well received by 80 participants.

The bimonthly meeting of the St. Louis Association was held at St. John's Mercy Medical Center, Oct. 13. Representatives from Searle Radiographics discussed the mechanics of the new large-field-of-view camera recently introduced on the market. The meeting was well attended, with 50 technologists representing St. Louis and Metro East hospitals.

Iowa City was the site of the registry review held on Nov. 1 and 2. Topics covered were of interest to technologists taking the November registry examination. Once again the review was well attended from within the Chapter area.

St. Louis was the scene of the Missouri Valley Chapter's annual

meeting. The weekend was held at the Sheraton Inn at West Port Plaza. A special seminar on "Thrombus Detection in Nuclear Medicine" was the theme of the Scientific Program of the meeting. During this weekend, the technologists section of the Missouri Valley Chapter announced the election of Kathleen Mc Clenton (Johnson) of the Mallinckrodt Institute (St. Louis) as the new Secretary-Treasurer. This is in reality a three-year job, for the Chapter elects only one officer each year with the others progressing to the next office. Congratulations, Kathy!

Plans for the Annual Mid-Winter meeting of the SNM to be held in St. Louis in February are being finalized. The meeting promises to be a very good one, with some exciting social activities on the agenda.

—Sheri Pasternak

New England Chapter

The New England Chapter is pleased to report on a busy fall schedule. Grass Roots Programs were held in Massachusetts and Connecticut in September with a good turnout. A Quality Assurance Program was held September 20 in conjunction with the Bureau of Radiological Health. Registration was limited to 30 participants to allow hands-on practice of quality control procedures on several scintillation cameras following a series of lectures outlining basic needs and techniques. The staff at the Massachusetts General Hospital served as most gracious hosts. The day's success assured its repetition in the near future to allow others to benefit from the program.

Technologists participated in an all-day symposium held at the Colonnade Hotel in Boston Oct. 1. A variety of topics were discussed and new officers were installed. Any member of the New England Chapter wishing to become more involved in technologist affairs should contact Wayne Cotnoir, St. Jo-

seph's Hospital, Providence, RI.

At this writing, we are awaiting the plans of our new officers to see what lies in store for the coming months.

—Cecile Gaigals

Northern California Chapter

The Northern California Technologist Section conducted a salary survey to include both Northern and Southern California Technologists. The goal of the survey was to provide information in response to the many inquiries received regarding salary levels paid to technologists. Responses were recorded and categorized by the developer of the survey, Katie Lambert. Copies of the California Survey are available by contacting Ms. Lambert at French Hospital, 5th and Geary Streets, San Francisco, CA, or James Kellner, National Council Representative. [Further information on the Survey is included in the News Section of this issue.]

The Legislative Committee of the Technologist Section is actively engaged in the preparation of the final draft of the bill for state licensure of nuclear medicine technologists. The Legislative Committee presented the bill to the Executive Committee of both chapters for approval at the Oct. 1975 Conjoint Meeting in Los Angeles. It will be routed through the legislative channels of the California Medical Association prior to its presentation into the legislature. The final draft of the Bill will be available to the entire membership through the New York office once it is approved.

A Conjoint meeting was held Oct. 24 in Los Angeles with the Technologists Section of Southern California. Original scientific papers and reviews of major interest were given by invited guest speakers. The annual Northern and Southern California Meeting followed.

A Western Regional Meeting is scheduled for Harrah's Convention Center, Reno, NV, on Feb. 19-21.

The seven western chapters—Western, Prairie Provinces, Hawaii, Northern California, Southern California, Northwestern, Rocky Mountain, and Southwestern—will be able to take advantage of a program of registry review and quality assurance of the camera and RIA. A special car will be attached to an Amtrak train in San Francisco and will carry passengers from the San Francisco Bay Area and Sacramento to Reno. For additional information contact Paul Tegan, St. Mary's Hospital, Daly City, CA, or Jean Lynch, PO Box 40279, San Francisco, CA 94140.

—Rose Ann Anderson

Pacific Northwest Chapter

The Pacific Northwest Technologists Section gathered at the Olympic Hotel, Seattle, on Nov. 5-7 for the autumn meeting. Steve Christian of E. R. Squibb organized and was one of the presenters of the E. R. Squibb Nuclear Medicine Review. This two-and-a-half-day session of lectures covered the topics of basic nuclear medicine physics, units of measurements, mathematics of decay, radiation biology, radiation protection, instrumentation, radiopharmacology, and radiopharmaceutical production.

The technologists then joined the Pacific Northwest Chapter Meeting held at the Olympic Hotel on Nov. 7 and 8. The meeting was divided into two minisymposia: "Exploration of the Uses of I-123" and "New Advances in Thromboembolic Disease". Gerald L. De Nardo was the Chapter's guest speaker; he presented a lecture on ^{123}I and fibrogen scanning.

—Danny L. Jergenson

Pittsburgh Chapter

The Pittsburgh Chapter held a meeting Sept. 19 at Bradford Hospital, Indiana, PA. Tom Dias of Abbott Radiopharmaceuticals gave an informative discussion of current thyroid function studies. The next

meeting is tentatively set for December.

A second meeting of the Pittsburgh Chapter Technologist Section of the SNM is being planned for mid-November or early December. The proposed site is Conerbaugh Valley Hospital in Johnstown, PA.

Election of officers and committee functions will be discussed at the business meeting.

We will be canvassing area hospitals in the near future trying to recruit new members for participation in our Chapter. We would appreciate if anyone interested in participating would write to Chris Woodrum, in care of Bradford Hospital, Bradford, PA 16701, so that we can keep you informed of our plans.

Congratulations are in order for Lance Rose for his recent appointment to Associate Editor of the *JNMT*.

—Chris Woodrum

Rocky Mountain Chapter

The technologists of the Chapter have been working very diligently on the administrative structure and bylaws. The bylaws were presented to the membership and approved as of Dec. 1. We have established a slate of officers and elections are currently underway. Prospective members for election of office are Paul Christina, Salt Lake City, for President; Bill Currie, Denver, for President-Elect; Rita Vigil, Santa Fe, for Secretary-Historian; Warren Strayer, Casper, WY, Treasurer; Doug Wigton, Colorado Springs, and Trudy Battison, Salt Lake City, for National Council delegates. Election results will be published in the March issue.

A subchapter in the Colorado area with its own set of bylaws has been established and plans are in progress for similar structures in New Mexico, Utah, and Wyoming. The officers of the Colorado Subchapter are: President, Ann Dolbow, Fitzsimmons Army Hospital; President-Elect, Bill Guess,

General Rose Memorial Hospital; Secretary-Historian, Molly Doyle, Lutheran Hospital; and Treasurer, Linda Greenberg, Porter Memorial Hospital.

The Colorado Subchapter is organizing the upcoming annual April spring symposium. This year, the Rocky Mountain Nuclear Medicine Conference will be held Apr. 1-3, 1976, at the Executive Tower Inn in Denver. For further information please contact: Linda Greenberg, P. O. Box 18589, Denver, CO 80218. The meeting will be sponsored jointly by the SNM and the SNM Tech Section. Last year we had a paid attendance of 150, with 15 commercial exhibitors and several outstanding guest speakers. We hope to do even better this year.

—Doug Wigton

Southeastern Chapter

Election ballots were mailed out on Aug. 9 to all full members of the Technologist Section of the Southeastern Chapter. Thanks to Cecil Moss, Acting Nominating Chairperson, who put in extra work by including return envelopes with the ballots, we had an 80% return by the deadline of Sept. 18, instead of the usual average return of less than 50%. George W. Alexander, of Cincinnati, has been elected as President for 1975-76. The office of President-Elect went to Jennifer Matthews, and Marsha Baggett is the new Secretary-Treasurer.

The lecture-workshop program on "Quality Assurance of Radiopharmaceuticals and Nuclear Medicine Instruments", held in Birmingham, AL, Aug. 22-23, and co-sponsored by the Bureau of Radiological Health, was very successful with a turnout of 75 technologists, physicians, and scientists. According to comments made by the participants after the program, there seems to still be a very definite need for quality assurance programs related to rectilinear scanners.

One of the Chapter's objectives for this year is "A state organization

for each state in the Chapter". To spotlight the organizations in existence, their presidents were asked to submit to the Technologist Local Arrangement Committee Chairperson, Barbara Horton, an exhibit for display at the 16th Annual Meeting of the SNM Southeastern Chapter and the technologists cocktail party in Atlanta, GA, Oct. 22-25, 1975. The exhibits were on poster board and included the state society's name, emblem, a brief typed history, and pictures that the society wanted to have included.

The following state presidents were recognized for their outstanding performance in organizing the state societies:

Alabama: Edward Levon Jimmerson

Florida: Edwin Shaffen

Georgia: Barbara Horton

North Carolina: Glen Manin

Recognition was also given to the following state representatives:

Ohio: Douglas R. Weitzel, who has done an outstanding job arranging a local group in the Cincinnati area.

South Carolina: Arthur Ferguson, who reports that South Carolina has begun the process of forming a state organization with constitution and bylaws being prepared. The State Organizational Meeting for the South Carolina Society of Nuclear Medicine will be held on Jan. 23-24, 1976, at the Sheraton Inn, Columbia, SC. For more information contact Art Ferguson, 1519 Marion St., Columbia, SC 29201; (803) 771-5920.

Kentucky: Ellis Blanton, who has worked very hard to form a local group in Louisville.

In compliance to the request made by Mark I. Muilenburg, President-Elect and Membership Chairman, Technologist Section, SNM, to stimulate member recruitment from the many technologists who attend local and Chapter meetings, we had a technologist registration desk and a

technologist room where membership applications and a form explaining each organization's affiliation with the Society of Nuclear Medicine were available for the Technologist Section, SNM; the Technologist Section of the Southeastern Chapter, SNM; and all state organizations. Two technologists were assigned to the registration desk and one technologist to the display room to help members fill out the necessary applications and obtain sponsors. The technologists cocktail party will also provide a means of encouraging nonmembers to join the Section.

The Georgia Society of Nuclear Medicine Technologists will hold its second Annual Meeting on Feb. 27 and 28, 1976, in Atlanta. For additional information contact Barbara Horton, DeKalb General Hospital, Decatur, GA 30033.

—Frances Kontzen

Southern California Chapter

An excellent program was presented at the Oct. 24th full day Technologist Meeting preceding the Conjoint North-South Meeting of the California Chapters of the Society of Nuclear Medicine at the Marriot Hotel in Los Angeles.

Simultaneous workshops were held throughout the morning. The Northern Chapter hosted two workshops: "RIA Quality Assurance", presented by Michael Gray, and "Administrative Shortcuts in Nuclear Medicine: Is There Such an Animal?", by Dorothy D. Price, James Kellner, and Paul Tegan. Those presented by the Southern Chapter were "Comparison of Ultrasonography and Nuclear Medicine", by William Sample, and "Film Workshop: All You Wanted to Know About Your Film, but Were Afraid to Ask", by representatives of Dunn Instruments and Eastman Kodak.

The afternoon was devoted to the presentation of technologist papers. Those presented by the Southern Chapter were "Quality Control of

Radiopharmaceuticals Using a Commercial TLC Chamber", by Joan Viscione; "A Technologist's View of Liver Scanning", by Michael Christensen; "Performance of a Dacryocystogram and Evaluation of Results", by Chelle Young; "Cardiac Perfusion Using Tc-99m HAM", by Naomi Bell; and "Pancreas Imaging Utilizing Computer Subtraction Technique", by Eileen Brief and David Wieseler. The Northern Chapter presented three papers on wet laboratory procedures.

The Education Committee is currently involved in presenting courses in nuclear medicine and ultrasound technology. These will extend into January and February, respectively.

The final draft of the proposed Licensure Bill for Nuclear Medicine Technologists was presented to the Executive Committee of the Northern-Southern Chapters. The Northern Chapter approved the bill, but it was defeated by the Southern Chapter. The bill is held up for further revision, and there will now not be any action on it until 1976.

New President Kirk Finch has announced that his commitments for the coming year will be those of continuing education and further revision of the Chapter bylaws. He plans three workshops, one of which will be held in either Las Vegas or Palm Springs.

We are looking forward to another very exciting year.

—Eileen B. Brief

Southwestern Chapter

The Southwestern Chapter wishes to thank the North Texas Technologist Section for its generous contribution to the Chapter as a result of its very successful "Brain Workshop", held May 16-18. Such dedication certainly promotes the growth of our Chapter.

San Antonio drew approximately 90 attendants to the San Antonio Technologist Section's fall symposium on "New Concepts in Nuclear Medicine", held on Aug. 9.

Our Chapter is proud to report the addition of 14 new members so far this year. There is much activity within the Chapter at the present time: Many Sections are working on membership drives, and many technologists are busy at work on the upcoming 21st Annual Meeting of the Southwestern Chapter, to be held in New Orleans this Mar. 26-28.

A substantial amount of new equipment has been installed recently in Plaza del Oro and St. Luke's Hospitals in Houston, and

Confederate Memorial and Doctor's Hospitals in Shreveport, LA. LFOV cameras appear to be the popular item right now.

Methodist Hospital in Houston has placed a camera within the intensive care unit for critically ill patients. The new concept has been very well received by the staff.

There are several employment opportunities available in the Southwestern Chapter now. For more information, contact Ann Logan, 6655 Travis, Houston, TX 77025.

—Ann Logan

News from Overseas

Puerto Rico

The Puerto Rico Regional Meeting of the American College of Physicians, in association with the Section on Internal Medicine of the Puerto Rico Medical Association, was held on Friday and Saturday, Oct. 10 and 11, in San Juan. The Friday morning and afternoon and the Saturday morning sessions were held at the auditorium of the San Juan City Hospital at the Puerto Rico Medical Center in Rio Piedras. The Friday evening session was held at the Auditorium of the Puerto Rico Medical Association building in Santurce.

The official College representative was Jack D. Myers, President-Elect of the ACP and Professor of Medicine at the University of Pittsburgh School of Medicine. He addressed the audience at the scientific program and discussed College activities after the annual ACP luncheon on Saturday.

All physicians who attended this meeting could apply for credit towards the AMA Physicians' Recognition Award in Category I by stating the number of hours in attendance at the scientific program.

Among the papers presented, the following were of interest to persons engaged in nuclear medicine: "Massive Micropulmonary Embolism: A Clinical Angiographic and

Radioisotope Correlation", "The Use of ^{99m}Tc Stannous Pyrophosphate (PYP) in Acute Myocardial Infraction", "The Use of ^{67}Ga Scanning in the Diagnosis of Tuberculous Peritonitis", "Scintigraphic Picture in Acute Infectious Hepatitis, Histopathological Correlation", "Serial Rose Bengal (^{131}I) Liver Image Scintiscan in the Diagnosis of Choledocal Duct Cyst", and "Congenital Renal Malformations in Adults: Studies with ^{99m}Tc Dimercaptosuccinic Acid".

Starting with the March 1976 issue, the U.S. VA Hospital library at San Juan has entered a subscription to the *JNMT*.

A liquid scintillation counting (LSC) seminar was presented on Sept. 17 and 18 at the Nuclear Medicine Service of the VA Hospital in San Juan by Roderick Cassell, District Manager of the Packard Instrument Company, Inc. Among other things, the session included discussion of RIA (audio-visual presentation), a refresher on LSC theory, discussion on various types of quenching and how quenching affects beta counting, and the generation of a quench curve using Packard quenched series. Among the participants there were several nuclear medicine technologists and two residents in nuclear medicine.

—Rafael Bernabe Prida

Committee Reports

Legislative Affairs Committee Report

One of the privileges that citizens of the United States possess is the ability to send their opinions to their elected representatives. However, few citizens ever take advantage of this and enlighten the person who votes on matters which affect their lives and tax dollars. Contrary to what many believe, today's Congressmen and Senators do take the time to read their mail. They may have a staff which screens and processes the letters but they maintain records on public opinions and usually read and sign the replies.

Here are some fundamentals which will aid your letter in reaching its proper destination and in making its desired impact:

1. **Address it correctly.**

Hon. _____
House Office Building
Washington, DC 20515

or

Senator _____
Senate Office Building
Washington, DC 20510

2. **Identify the bill or issue.** Because there are several thousand new bills each year, you should be specific. Bills are numbered serially; those from the House of Representatives are prefixed H.R. _____, those of the Senate have the prefix S. _____. It is acceptable to use a popular name if one exists.

3. **Don't delay writing.** Inform your representative of your opinion while there is time for action. You may have knowledge of an effect of the bill which the legislator has missed. If you delay, he will be forced to vote without this fact.

4. **Be brief.** Come to the point, and be concise. There is a limited time for reading mail, and a brief, legible letter will get attention quicker.

5. **Write your own views.** A form letter is recognizable and usually receives a standard form reply. You may use some of the reasons contained in an organization's sample form letter but put the reasons in your own words.

6. **Don't threaten.** Threats may generate adverse reactions. Congressmen are conscientious, however, the popular course might not always be the best. Be reasonable and give your reasons without alluding to your great political influence.

Today's nuclear medicine technologists should be concerned with the legislative process in the popular areas of energy, taxes, and spending, as well as those bills which may affect their professional career. Take the time to become informed and make your feelings known to those who will cast votes on them. It is a privilege which should be taken seriously. The Legislative Affairs Committee will assist anyone in learning facts about bills which interest them and how they can exercise their rights.

Membership Committee

Mark Muilenburg reports that the Committee is aiming for a minimum 20% increase in membership this year, and three new ideas have been initiated to help achieve this goal.

First, all of the technical affiliates of the SNM who are not Technologist Section members were

identified by a computer search. These affiliates were then mailed application forms and information on the many advantages of membership in the section. The total mailing was 800.

The Membership Committee also contacted all program directors of AMA-accredited nuclear medicine technology training programs for the names of the students participating. At the time of this report, 300 names have been received and all are being sent a complimentary copy of the *JNMT* along with SNM and Technologist Section membership information and application forms.

Finally, membership dues are paid for by the Section to members who sign up ten new members and mail their applications together to the home office before the Section's 3rd Annual Winter Meeting in Feb. 1976.

Scientific Awards Committee

Floyd Potes would like to remind all to participate in your profession by submitting scientific papers and/or exhibits for the forthcoming 23rd Annual Meeting of the SNM Technologist Section in June 1976, in Dallas, TX.

The panel judging the scientific papers includes Barbara Jump, Baltimore, Chuck Graham, Dallas, and Craig Bryant, San Diego. The papers will be judged by evaluating the educational merit, organization, feasibility, presentation, and audio-

visual preparation. Prize-winning technologist scientific papers will be awarded \$200, \$150, and \$100 for the first, second, and third prize, respectively; with first and second prizes of \$75 and \$50, respectively, for the student category.

The panel for scoring the scientific exhibits is composed of Marland Moss, Garland, TX, and Joni Herbst, Bakersfield, CA. Evaluation will be based on the educational instructional quality, organizational clarity, feasibility, technical quality, and display design. The awards for winning exhibits will be \$200 for first, \$150 for second, and \$100 for third prize.

H E L P

The *JNMT* needs your help!

If you would like to see your *Journal* become more informative, interesting, distinctive, and varied, please help it out. Send any and all items regarding nuclear medicine—be it local newspaper clippings, press releases, your hospital group's activities and programs, or, most important, your ideas on what you would like to see in the *Journal*—to the national office of the Society of Nuclear Medicine, 475 Park Ave. South, New York, N Y 10016; attn. Piotr Kostrzewski. The information does not have to be complete; just give us a lead to work on and a chance to please you.

BYLAWS OF THE TECHNOLOGIST SECTION OF THE SOCIETY OF NUCLEAR MEDICINE

Approved by the Trustees July 7, 1970

Revised June 13, 1973, June 12, 1974, and June 18, 1975

ARTICLE I NAME

The name of this organization shall be the Technologist Section of the Society of Nuclear Medicine, hereinafter referred to as The Section.

ARTICLE II OBJECTIVES

The objectives of this organization shall be:

1. To encourage members of The Society of Nuclear Medicine, Inc. (hereinafter referred to as The Society) to join together in an association within The Society in order to serve as a means of establishing the identity and qualifications of technologist members of The Society and to promote the continued development and improvement of nuclear medicine technology.
2. To assist in establishing approved standards of training and qualifications of those engaged in nuclear medicine technology.

ARTICLE III MEMBERSHIP

Membership in The Section will be open to any member of The Society, regardless of category, who can provide evidence of training and/or experience in nuclear medicine technology satisfactory to the Membership Committee of The Section.

In making its judgments, the committee will take into consideration the following evidence.

1. Satisfactory completion and graduation from a formal training program in nuclear medicine technology approved by the American Medical Association.
2. Certification or registration by a recognized registry of nuclear medicine or radioisotope technologists.
3. Other types of experience gained in nuclear medicine technology or in a related field may be considered, provided the committee feels the applicant possesses sufficient interest and experience to make a positive contribution to the aims and objectives of The Section.

Membership in The Section shall confer the following privileges:

1. All members shall receive the official publications of The Section.
2. All members shall have the right to vote at all meetings of The Section, may vote on any question submitted to the membership by mail, may

serve on the National Council or as an officer of The Section or any elected or appointive office of The Section except as stated in Paragraph 3.

3. Members whose primary affiliation is in commercial research, development, or sales may serve in any appointed capacity; they may not serve as an elected official.

Applications for membership:

1. Applications for membership will be submitted to the Membership Committee for review and recommendation. All applications, with the recommendation of the Membership Committee, will be submitted to the National Council for consideration, and may be approved by a majority vote of the National Council delegates present at any regularly scheduled meeting of the Council. Upon election to membership all persons will automatically become members of regional chapters. They may transfer their chapter membership upon request.

ARTICLE IV ADMINISTRATIVE ORGANIZATION

1. **ELECTED OFFICERS.** The elected officers of The Section shall be a President, President-Elect, Secretary-Historian, and Treasurer. The President-Elect shall succeed the President after a one-year term.
2. **NATIONAL COUNCIL.** The National Council is composed of the elected officers of The Section, the Chairperson of the Finance Committee, the Chairperson of the Publications Committee, the Editor of the *Journal of Nuclear Medicine Technology*, and one delegate or alternate delegate representing each regional chapter, who are elected or appointed by the members of The Section in that chapter.

Should there be an even number of Council members present at any meeting, the presiding officer shall abstain from voting. Eleven voting members are required to constitute a quorum, with not less than six regional chapters being represented. National officers from different regional chapters may be counted as representing their chapter for purposes of calling the quorum. A quorum must be present to take any action.

- a. The National Council will be responsible for the business affairs of The Section and all property and moneys received for the op-

eration of The Section, and may levy dues and fees as deemed necessary. It may make rules and regulations necessary for the management and well-being of The Section, and to carry out its objectives. It may delegate any of its responsibilities to the Executive Committee, a standing committee, or a special committee upon approval by a majority of the Council. Decisions of the Council shall be determined by affirmative vote of a majority of the voting members present, there being a quorum present.

- b. Terms of office of the chapter delegates to the Council shall be in accordance with chapter bylaws. If the chapter delegate resigns, or is removed, the vacancy must be filled by the chapter concerned according to its bylaws.
 - c. Contracts, signatures, acceptance of gifts and bequests, and matters dealing with the routine business operations of The Section and not specifically controlled by these bylaws are functions of the Council, or its designees.
 - d. Meetings of the Council. The Annual Meeting of the Council will be held prior to the Annual Meeting of The Section. An interim meeting may be held at a time and place to be decided by a majority of the council members present at the Annual Meeting. Special meetings of the Council may be called by the President, with approval of a majority of the Executive Committee, or by petition of 11 members of the Council with the approval of a majority of the Executive Committee. Notice of the special meeting must be sent to each member of the Council 30 days prior to the date of the proposed meeting.
3. **TERM OF OFFICE.** The term of office for elected officers shall be one year, commencing and ending with the Annual Meeting of The Section, which will be held concurrently with the Annual Meeting of The Society.

ARTICLE V

DUTIES OF OFFICERS

The duties of the officers are as follows:

1. **PRESIDENT:** The President of The Section presides at meetings of the Executive Committee, National Council, Annual Business Meeting of The Section, and any special meetings that may be called. He is an ex officio member of all committees except the Nominating Committee. He authorizes and may initiate expenditures by the Treasurer (with concurrence of the National Council). He may establish special committees to function in areas of concern to The Section. He prepares the agenda for the Annual Meeting. In conducting the meetings, Robert's Rules of Order (Newly Revised) will be followed.

2. **PRESIDENT-ELECT:** Acts for the President in the case of his temporary or permanent absence or disability. He further functions as the primary delegate of the President in selected matters of The Section, and serves as Chairperson of the Membership Committee.
3. **SECRETARY-HISTORIAN:** Is responsible for recording the minutes of the meetings and for maintenance of the archives of The Section as they accumulate. Additional functions may be assigned by the President.
4. **TREASURER:** Advises the Finance Committee in the preparation of the budget, handles the monetary affairs, and maintains proper accounts under the authorization and direction of the National Council. He may spend money as authorized by the President, the Executive Committee, or the National Council.
5. Should the office of President-Elect become vacant prior to the election of new officers, this office shall remain vacant until the next election, and a President and President-Elect shall be elected by the membership.
6. Should the office of Secretary-Historian or Treasurer become vacant prior to the election of new officers, the President shall make a temporary appointment to fill this office until the next election.

ARTICLE VI

NOMINATIONS AND ELECTIONS

Officers will be elected on an annual basis by mail ballot prior to the Annual Meeting of The Section.

1. Chapter delegates to the National Council shall provide in writing to the Chairperson of the Nominating Committee a minimum of two names for nomination to elective offices 180 days prior to the Annual Meeting of The Section. The Committee will include in its consideration for nomination additional members of The Section whose names are recommended in a petition signed by at least 10 members of The Section. A current curriculum vitae shall be furnished on each nominee.
2. The slate of candidates chosen by the Nominating Committee shall be forwarded to the membership at least 60 days prior to the Annual Meeting.
3. Ballots shall be returned to the Secretary at least 30 days prior to the Annual Meeting. Ballots postmarked later than 30 days prior to the Annual Meeting will not be counted.
4. The ballot shall contain
 - a. For the offices of President-Elect, Secretary-Historian, and Treasurer, there shall be two names listed for each office. Space will be provided for one write-in candidate for each office.

- b. For the Nominating Committee, there shall be six names listed. Space will be provided for four write-in candidates.
- c. For the Membership Committee, there shall be three names listed. Space will be provided for two write-in candidates.
- d. For the Finance Committee during the first year there shall be six names listed. Space will be provided for four write-in candidates. Terms of office for one, two, and three years will be selected by the Committee during the first year. In each successive year there shall be two names listed with space for one write-in candidate.

To be elected each write-in candidate must indicate willingness to accept not later than one day after tabulation of the ballots.

- 5. The tabulation of the mail ballots shall be conducted by a committee appointed by the President of The Section.
- 6. For each office, the nominee who received the largest number of votes by mail ballot shall be elected to office.
- 7. For the Nominating Committee, the four nominees receiving the largest number of votes by mail ballot shall be elected.
- 8. For the Membership Committee, the two nominees receiving the largest number of votes by mail ballot shall be elected.
- 9. For the Finance Committee during the first year the three nominees receiving the largest number of votes by mail ballot shall be elected. In each successive year the one nominee receiving the largest number of votes shall be elected.
- 10. In the event of a tie vote, the members present at the Annual Business Meeting of The Section shall break the tie.
- 11. Results of the election shall be made known at the Annual Meeting of The Section. The term of office shall be one year commencing and ending with the Annual Business Meeting of The Section.

ARTICLE VII COMMITTEE AND COUNCILS

All committees will meet at least once annually, with one meeting occurring during the Annual Meeting of The Society prior to the Annual Business Meeting of The Section.

1. STANDING COMMITTEES are:

- a. **EXECUTIVE COMMITTEE:** President, President-Elect, Secretary-Historian, and Treasurer are members. The functions are to facilitate the business of The Section and to administer the policies and directives of The Section, to act as an advisory body to the President, and to keep a record of the minutes of this committee.

- b. **NOMINATING COMMITTEE:** The Chairperson of this committee will be the immediate past President of The Section. Four additional members will be elected annually by mail vote. The committee will act in accordance with the duties set forth in Article VI.

- c. **MEMBERSHIP COMMITTEE:** The Chairperson of this committee will be the President-Elect of The Section. Two additional members will be elected annually by mail vote. This committee will review all applications for membership in The Section and certify as to the eligibility of the candidates. Applications will be acted upon in accordance with Article III.

- d. **SCIENTIFIC and TEACHING SESSIONS:** Consist of a Chairperson and members appointed by the President of The Section. The committee organizes the Technologists' Scientific Program and Teaching Sessions at the Annual Meeting. It will select papers from the membership and contact prospective guest speakers.

- e. **CONTINUING EDUCATION COMMITTEE:** The Chairperson and members of this committee are appointed by the President of the Section, and may serve successive terms at the pleasure of the President. The Committee will concern itself with all phases of educational activities of The Section and make recommendations concerning educational matters to the President and National Council when required.

- f. **PUBLICATIONS COMMITTEE:** The President-Elect of The Section is an ad hoc member of the Publications Committee with the prime responsibility of working with the National Office in obtaining national news. The president shall appoint the Chairperson of the Publications Committee to serve for a term of one year. At the pleasure of the President, and with the concurrence of the National Council, the Chairperson of the Publications Committee may be reappointed for one additional term. The Chairperson of the Publications Committee shall submit to the President, with the Chairperson's approval, the name of six persons to serve as Committee members. The members' term of office shall be staggered in such a way that, initially, two members shall serve for three years, two for two years, and two for one year; thereafter, appointments will be for a duration of three years. The Publications Committee will have direct management control and editorial review of all publications of The Section. The Publications Committee shall submit, to the National Council delegates, for approval, the names of any indi-

viduals they recommend to serve as Editor of *The Journal of Nuclear Medicine Technology*. Duration of the office of Editor of *The Journal of Nuclear Medicine Technology* shall be three years, subject to an annual review by the National Council. The Editor may serve two terms to a maximum of six years. The Editor may be removed from office upon the recommendation of the Publications Committee and approval by a simple majority of the National Council delegates, a quorum being present. The Editor of *The Journal of Nuclear Medicine Technology* shall be selected and appointed at the Annual Meeting. The Editor's term of office shall officially begin January 1, following his selection and appointment. He will serve as the eighth member of the Publications Committee. The Editor shall select Associate Editors for approval by the Publications committee. The term of Associate Editor shall be for one year in duration and Associate Editors may be reappointed for one successive term. Associate Editors shall not be members of the Publications Committee.

- g. **FINANCE COMMITTEE:** The membership of the Finance Committee consists of the elected officers of The Section, the immediate past Treasurer, the Chairperson of the Publications Committee, and three elected members, each serving three-year terms so arranged that one term expires each year. Members may be reelected. The Chairperson of the committee will be appointed by the President of The Section, from among the elected members, to serve a one-year term.

The functions of the committee are: To report to the National Council at each regularly scheduled meeting of the Council regarding the assets, liabilities, and financial affairs of The Section; to make recommendations concerning fiscal policy to the Council; to review and make recommendations concerning proposed expenditures for the next succeeding year; and to prepare and submit the proposed budget for The Section for the following budget year to the Council for approval prior to the Annual Business Meeting.

2. **SPECIAL COMMITTEES.** The President of The Section may appoint Chairpersons and members of special committees when deemed necessary.
3. **COUNCIL OF PAST PRESIDENTS.** The Council of Past Presidents consists of all past Presidents who become members of this Council upon termination of their term of office as President. Each immediate past President serves as Chairperson for the ensuing year. The function of the council is deliberative and advisory. The

Council is concerned with the long-range development of The Section; with broad and continuing policies; with directional trends; with unity of effort in the multiple interests of The Section; and with measures that will increase the effectiveness and excellence of The Section. It has no voting power outside itself and its judgements will not be mandatory upon The Section. It reports annually to the National Council and, at its discretion, to any and all branches of The Section.

ARTICLE VIII MEETINGS

The Section will meet in conjunction with the Annual Meeting of the Society of Nuclear Medicine and at the Midwinter Meeting of the Technologist Section of the Society of Nuclear Medicine, and at such other times as deemed necessary by the National Council, in accordance with these bylaws. A Business Meeting will be held at the Annual Meeting and at the Midwinter Meeting provided notice of the meeting has been published in *The Journal of Nuclear Medicine Technology* at least thirty (30) days prior to the meeting.

ARTICLE IX AMENDMENTS

1. Any person having the privileges of a member of The Section may initiate a proposal for the amendment to the Bylaws. Such a proposal shall be presented to the President of The Section in writing, who shall submit it to the National Council. On approval by a majority vote of the National Council, the amendment shall be presented at the Annual Meeting or Midwinter Meeting of The Section after proper notification of the membership.
2. The Bylaws of The Section may be amended by a two-thirds vote of the members present and voting at the Annual Meeting or Midwinter Meeting provided that a copy of the proposed amendment has been issued and sent to all members of The Section not less than thirty (30) days prior to said meeting.
3. The Bylaws shall be consistent with the Bylaws of The Society.

ARTICLE X PARLIAMENTARY AUTHORITY

All questions of parliamentary procedure will be determined at all meetings of The Section, National Council, and of the Executive Committee by provisions of these Bylaws and Robert's Rules of Order (Newly Revised). In the event of inconsistency in the foregoing, they shall take precedence in the order set forth.

ARTICLE XI TERMINATION OF THE SECTION

Should The Section cease to exist, all minutes, documents, and money become the property of The Society of Nuclear Medicine, Inc.