

# MISSOURI RADIOGRAPHER

APRIL, 1985

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FUND 24



official publication of

**The Missouri Society of  
Radiologic Technologists**

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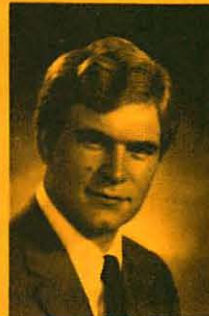
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The **RADIOGRAPHER** is the official publication of the **Missouri Society of Radiologic Technologists**, affiliated with the **American Society of Radiologic Technologists**.

The initials **R.T.** when used with proper names in this journal, refer to those individuals certified by the **American Registry of Radiologic Technologists**.

**ALL ADDRESS CHANGES SHOULD BE IMMEDIATELY REPORTED TO THE EDITOR.**

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# *American Society Of Radiologic Technologists*

## *Code Of Ethics*

### Preamble

*This Code of Ethics is to serve as a guide by which Radiologic Technologists may evaluate their professional conduct as it relates to patients, colleagues, other members of the allied professions and health care consumers.*

*The Code of Ethics is not law but is intended to assist Radiologic Technologists in maintaining a high level of ethical conduct.*

*Therefore, in the practice of the profession, we the members of the American Society of Radiologic Technologists, accept the following principles:*

### Principle 1

*Radiologic Technologists shall conduct themselves in a manner compatible with the dignity of their profession.*

### Principle 2

*Radiologic Technologists shall provide services with consideration of human dignity and the uniqueness of the patient, unrestricted by considerations of age, sex, race, creed, social or economic status, handicap, personal attributes or the nature of the health problem.*

### Principle 3

*Radiologic Technologists shall make every effort to protect all patients from unnecessary radiation.*

### Principle 4

*Radiologic Technologists should exercise and accept responsibility for independent discretion and judgement in the performance of their professional services.*

### Principle 5

*Radiologic Technologists shall judiciously protect the patient's right to privacy and shall maintain all patient information in the strictest confidence.*

### Principle 6

*Radiologic Technologists shall apply only methods of technology founded upon a scientific basis and not accept those methods that violate this principle.*

### Principle 7

*Radiologic Technologists shall not diagnose, but in recognition of their responsibility to the patient, they shall provide the physician with all information they have relative to radiologic diagnosis or patient management.*

### Principle 8

*Radiologic Technologists shall be responsible for reporting unethical conduct and illegal professional activities to the appropriate authorities.*

### Principle 9

*Radiologic Technologists should continually strive to improve their knowledge and skills by participating in educational and professional activities and sharing the benefits of their attainments with their colleagues.*

### Principle 10

*Radiologic Technologists should protect the public from misinformation and misrepresentations.*

"FOCAL SPOT" is a new series which we plan to offer as a regular feature. Its purpose is two fold: first, to acquaint all readers with community radiology facilities in different areas in the state: secondly, when viewed from an overall perspective, these reports may be seen as the level of radiologic services available throughout Missouri. Although equipment trade names and facility corporate statements are used, they are not to be construed as endorsements by the MSRT or the publishers.

### The Department of Medical Imaging: Columbia Regional Hospital

Columbia Regional Hospital is a relatively new 301 bed general care facility. It is located in Columbia, which is in the heart of central Missouri, and it is the only private hospital in a community containing a County and several State Hospitals. The stated goal of Columbia Regional is to provide high quality patient care at the lowest possible cost. This care is to be provided in a private setting to residents of this region. In striving to maintain this goal, its imaging department plays a major role.

A pervasive theme which seems to thread through the imaging department is staged growth and efficient utilization of resources. For although the department has experienced tremendous physical growth, this has been done through a program which has emphasized maximum utilization of space while still retaining a central orientation. This growth was stimulated by increasing demands placed on the department for imaging services. The department has, therefore, expanded from its three-room humble beginning in December 1974 to its current ten rooms of state-of-the-art equipment. The overall traffic flow pattern of the department takes on the form of a horseshoe. Patient flow is around the periphery, the central area is staff flow, and the open end of the shoe is assigned to administrative personnel.

Columbia Regional Hospital serves as a regional referral center. Over 50% of its patients are referred from physicians in surrounding counties. Though the hospital is equipped for general care, the patient mix in radiology is definitely weighted. Nearly fifty percent of the exams performed are orthopedic related. The imaging department may be viewed as having four sections: 1) CT/MRI 2) Nuclear Medicine 3) Ultrasound and 4) Radiographic.

The Nuclear Medicine section is busy, employing 3 technologists who perform about 230 exams/year. Equipment includes a large field stationary camera and a portable camera. The portable unit is used for heart studies as well as for patients unable to come to the department. An active oncology program provides the bulk of this section's support by ordering its fair share of bone scans, liver/spleen scans and xenon lung perfusion scans.

A G.E. 9800 whole body scanner is the mainstay of the CT section. Primary exams performed are spine and head studies. As a part of the hospital's shared services program the department has contracted to perform CT scans for other hospitals. As of January 1985 the CT technologists are being cross trained to operate the Technicare Magnetic Resonance Imager, located in a building constructed immediately adjacent to the main section. Currently the primary focus is on the diagnosis of diseases of the CNS.

The radiography section, besides having three work horse radiographic/fluoro rooms, also has a tomographic room, angio suite, and two ER units. The angio suite is equipped with a GE LUA specials unit and a GE digital subtraction unit. The primary vascular studies being done are intracranial, cardiac cath, renal vessels and run off studies. At present the only invasive treatment procedures being performed in radiology are angioplasties.

The ER units are located peripheral to the main department. It was decided self-contained processing units would be better than creating an additional dark room. A "rapido" unit was selected for general radiographic work; an automatic chest unit for upright exams.

The hospital feels in these times of cost restraint facilities must make operations cost effective. Besides using self-contained ER units, a space saving modification was made in the film file room; this required installation of "space saver" moveable file racks which allow five years of film storage in the department. In addition to saving space this facilitates retrieval of old film records and keeps down the personnel necessary to keep the system operational. Effective utilization is not confined to space and equipment, but also personnel. Cross training is implemented where possible. "Radiology aids" serve as both dark room attendants and transporters. Clerical personnel function as receptionist, file room personnel and some are cross trained as patient transporters. The technologists' positions have been designed with greater job depth. An example being the special procedures technologist. In times when the department is very busy or specials slow, these technologists serve the general radiology section. Techniques such as these not only increase department depth but increase individual value.

The department is staffed by 19 registered technologists, 4 radiologists and an administrative director. Some technologists have BSRT degrees and some have been attracted from other states. Chief Radiologist, Dr. George Wilson, has been actively practicing radiology for a number of years. Dr. Wilson is also Board Certified in Nuclear Medicine. The Administrative Director of Imaging Services is Jerry Evans, RT, BS. Jerry was the original chief technologist and has played a major role in department planning and development. Jerry likes to feel his department is operated with an "open door" policy and that both he and the radiologists are open to new ideas. He cites contributions made by technologists and feels it is important to remain open to changes in the department by staff technologists.

At Columbia Regional, it is felt that when technologists are aware of what is expected of them and know latitudes of responsibility, that they



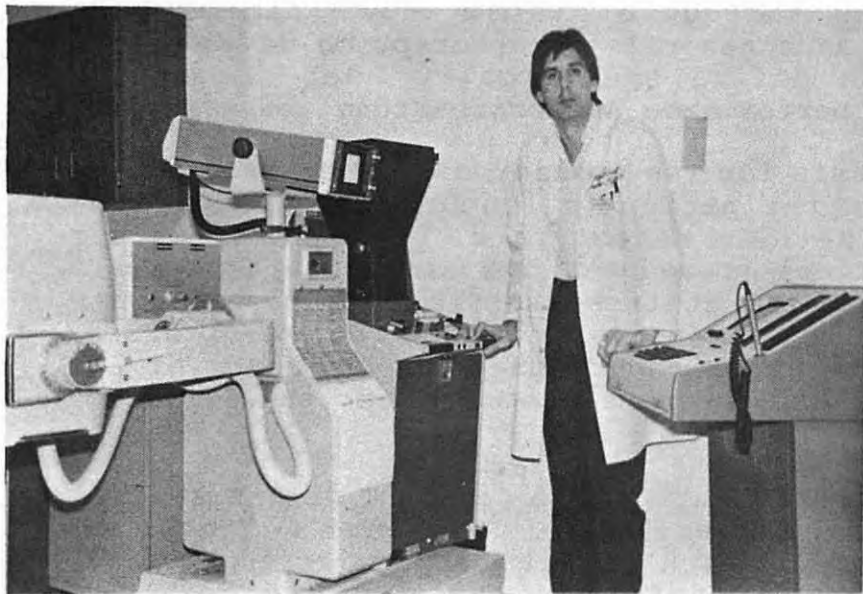
can achieve a high level of job satisfaction. This information is communicated to technologists through a system of "Management by Objectives". Jerry uses not only a general job description developed by him, but also criteria which define specifically what constitute acceptable levels of technical performance and professional behavior.

Communication also forms the basis for the quality assurance program. A weekly session is held during the patient's lunch period to examine factors which are affecting the film reject rate. These sessions not only affect the quality of patient procedures but also directly impact cost control. Information presented at these sessions is recorded and becomes the basis for a yearly reject analysis. Monthly inservice programs are provided for the department and require the presence of the radiologists. Typical speakers include physicists, R.N.s, physicians or the administrative director.

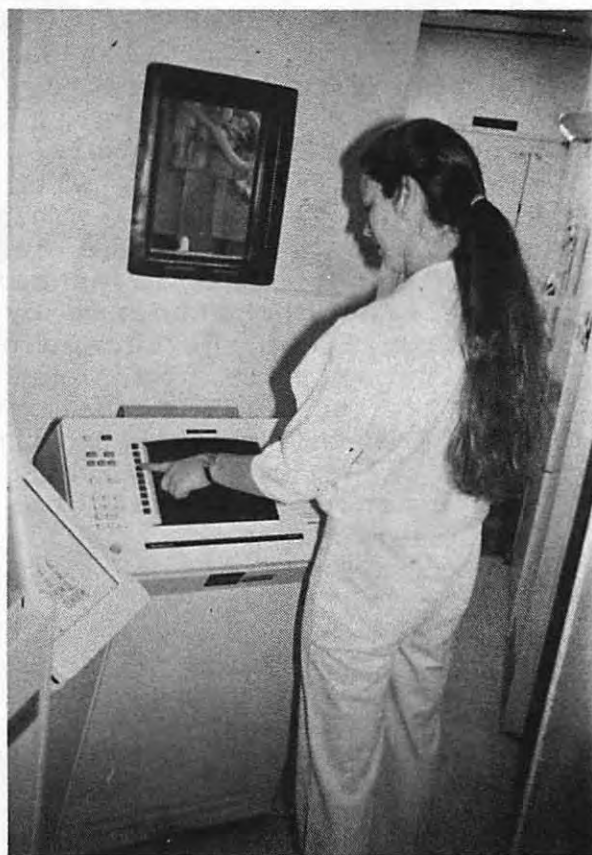
Although primarily patient care oriented, the department has a minor teaching affiliation with the University of Missouri's School of Radiologic Technology. This affiliation permits student technologists to rotate through the department for clinical experience. The department views this as being beneficial for both parties. Aside from benefiting the students by giving them practical experience, their questions keep the technologists reviewing their own work habits. In this department, personal growth and continuing education is not confined to just student technologists. It is hospital policy to encourage this growth in its' employees. Although membership in E.C.E. is not manditory, some evidence of continuing education is required at performance apprasial time, as well as membership in a professional organization.

# **"FOCAL SPOT"**

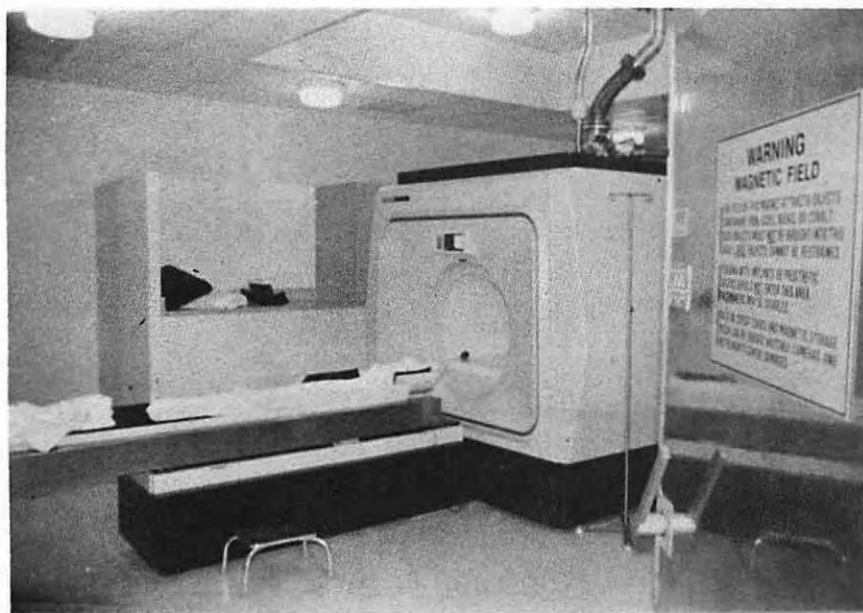
## **A Facility Report**



**MIKE LARIMORE with Siemens Mobile Nuclear Camera**



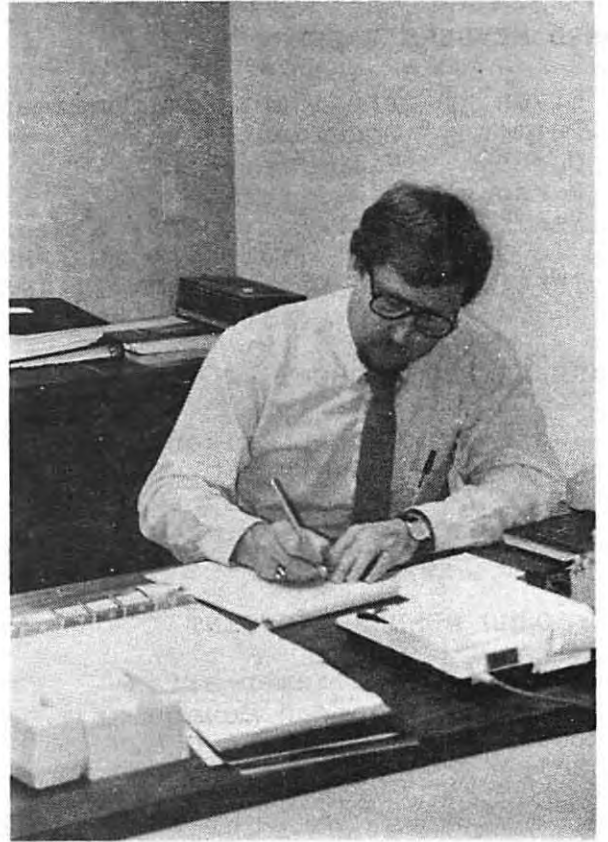
**STACI KOOL operating  
Philips Fluoro control**



**Newly installed Technicare MRI unit**



SANDY BRUMM adjusting LUA  
specials unit



JERRY EVANS, RTBS, Administrative  
Director of Imaging Services



SANDY MELKERSMAN at controls of LUA & DSA units

The January 19, 1985 Board of Directors Meeting was called to order by President John Bryan at 9:35 am.

#### BOARD MEMBERS PRESENT

J. Bryan President and Chairman  
P. Fulmer President-Elect  
J. Desch Vice-President  
K. Parsons Treasurer  
B. Hente Secretary, Ways & Means  
Chm., Ed., RADIOGRAPHER  
N. Thielmann 5th District Rep., 1985  
Convention Co-Chm.

#### BOARD MEMBERS ABSENT

D. Hurst Past-President  
G. McDaniel 4th District Rep.,  
Eastern Counselor  
A. Coughlin 1st District Rep.  
J. Dyer 7th District Rep.

#### NON-BOARD MEMBERS PRESENT

N. Hente Parliamentarian  
R. Givens Western Counselor  
J. Ewert Nominating Chm.  
M. Wolfe Guest

The minutes of the 1984 pre-convention, convention and post-convention meetings were approved as printed in the RADIOGRAPHER, Vol.43, No. 3.

The Treasurer, Kathy Parsons gave a written report which was accepted subject to audit.

#### Committee Reports:

Education: President John Bryan gave an oral report in the absence of Chm. Jim Watson. John reported a spring seminar is being planned but details are not firm at this time. Jim is also working on obtaining ECE credit tapes for use in in-house continuing education for hospitals and to use at various district meetings.

Membership: Vice-President John Desch is making a membership list of MSRT members according to Districts. John

also discussed the need for a computer to organize the retrieval of data such as membership lists according to status of membership, renewal information, and general data processing (bylaws; past presidents list; past Sante Lecturers, etc.).

Public Relations: John Bryan reported in the absence of Millie Burns.

Ways & Means: Chairman Barbara Hente reported that (hopefully) there will be more prizes this year for the raffle. 3M Corp. has already given a TV and Kodak has given 3 cameras. Barbara also reported on the items available for sale such as ballpoint pens, keychains, lapel pins, etc. The idea of having an appropriate item to send to members with their renewal cards was discussed. Barbara will have further information for the Board at the April meeting.

Nominating: Chairman Jennifer Ewert will obtain a post office box for the returned nominating forms and for ballots.

RADIOGRAPHER: Editor, Barbara Hente gave an oral report and handed out extra copies of the January, 1985 issue to the Board. Discussion was held as to having a "Letters to the Editor" page. WRITE TO THE EDITOR!!!

#### DISTRICT REPRESENTATIVES REPORTS

1st District: President-Elect, Pam Fulmer gave a report regarding activities of the district. Pam reported that they had a meeting with a speaker from Greb X-Ray.

3rd and 4th: No Report

5th District: Nikki Thielmann gave a written report about the activities of the district. Since 5th District is hosting the 1985 Annual Meeting they will be holding a contest among district members for a program cover design. The theme of the meeting will be "Survival in the Eighties".

7th District: Ruby Givens gave the report in the absence of Jan Dyer. She reported they will have a new application form and will be holding a meeting in June and one at the annual MSRT meeting in October.

Counselor Reports: Ruby Givens Western Counselor reported that the report from the ASRT shows the counselors to be ECE members. Ruby also reported that since the annual meeting in October there had been no ECE requests.

#### CONVENTION 1984 REPORTS:

President Bryan handed out copies of the written report from the 1985 Convention from Cindy Miller and Beverly Venegoni. The Board expressed how well the convention was handled, especially since it was a joint meeting with the ISSRT.

A discussion of various convention personnel duties was held. Ruby will get in touch with the 1985 convention Co-chairmen and do a study regarding the duties of every convention position. Discussion was also held regarding some type of certificate to thank various officers, etc., for the services they have done for the year they served the Board of Directors.

#### CONVENTION 1985 REPORTS:

A review of the proposed educational seminars was given by Nikki. A suggestion from John Bryan to the 1985 convention personnel was to hire a professional photographer for a specific period of time to insure that the pictures we need are all obtained. Nikki will investigate and report at the April Board Meeting.

Recess at 1:00 PM.

Reconviene at 1:45 PM.

CONVENTION 1986: President Bryan discussed the possible sites for 1986 and the people he had talked to. It is possible that the 3rd District will be the hosts for 1986, with a possible site of Jefferson City for the meeting. John will have further information at the April meeting.

#### SANTE LECTURE 1986

The Board discussed possible persons to be asked to present the 1986 lecture and John will contact the appropriate individual(s).

#### CORRESPONDENCE received:

1. The list of Missouri ASRT members was received from Barbara Burnham the ASRT delegate at the 1984 meeting.
2. The Nebraska Society requested information about view boxes; do we own or rent for exhibits?
3. The ASRT will hold an April meeting with Arthur Anderson Co. in Nashville.
4. The letter has gone out to the ASRT requesting a representative for the 1985 MSRT Annual Meeting to be held in Springfield, Mo. Oct. 9-12, 1985 at the University Plaza Hotel.
5. John forwarded a letter from Victoreen requesting information about advertising in our journal to Barbara Hente.
6. John reviewed a letter from Dr. Jane Ward, a 1984 convention speaker and referred it to the 1984 chairman.

#### Unfinished Business:

Pam Fulmer reviewed the MSRT Scholarship Award information for the Board. Pam identified the outline for application, recipient agreement forms, committee functions, funding areas, awards and meetings and judging of applicants for the award. Pam further discussed the criterial for selection of the winner and the forms for the educational directors to return to the MSRT. (ED note: Pam has done a great deal of work on this project and should be thanked by each of us for her long hours!!)

# Minutes

Past Presidents' Pins: John noted that there is only one pin left. There was discussion as to where we purchased these pins. Barbara Hente noted that they were last purchased in St. Louis by Ulysses Murray from Throm Trophy. John asked Barbara to check into the cost, if the die still exists, and if so, to reorder pins.

## New Business:

1. The membership form has been revised and John asked that Barbara have them printed for the April Board meeting.

2. John formed an ad-hoc committee to update Board Members functions & duties; to update and define all Board and convention positions (all chairmen, all committee personnel). He has requested the ASRT list of duties for reference.

3. Mission Statements: John discussed various statements regarding the MSRT:

\*to state clearly and concisely what the MSRT is

\* what MSRT is to accomplish

\* to reference for MSRT strategic planning

### Statement:

The MSRT is the professional organization for Radiologic Technologists in the state of Missouri. The immediate goals of this organization is the planning and the delivery of services to its membership at the regional level. The current focus (of these services) will be to provide:

1. a system for professional communication

2. continuing education

3. socio-economic development

Implementation: planning process requires: \* identification of needs

\* identification of available resources \* creation of resources

where none exists (Ed. note: there will be more information on these ideas and implementation/identification of specific areas of concern as the Board defines them. More information will be available after the April

Board of Directors meeting).

4. John gave the information for a facility report to RADIOGRAPHER editor Barbara Hente for inclusion in the April journal issue. This will be an on-going area for publication, with different facilities around the state covered in each journal issue. John also hopes to be able to include positions available and positions requested columns in a newsletter to be printed between journal issues.

5. The next Board of Directors will be April 27, 1985 in Columbia.

With no further business at this time the meeting was adjourned at 4:30 pm.

Submitted by:

*Barbara W. Hente*

Barbara W. Hente, BA, RT-N (ARRT)  
Secretary  
MSRT

## X-RAY TED DEFINITIONS

by Phil Goodrays, R. T. (R)

1. Myelogram: a very long radiograph.
2. Angstrom: former head coach of the Kansas City CHIEFS
3. Atom: the first man, of course.
4. Bremstrahlung: modern replacement for the iron lung.
5. Fluorescence: carpet deodorant.
6. Anode: a kind of poem.
7. Rectification: insertion of the enema tip.
8. Ohm: beginning of a mantra.
9. Rheostat: when they really need it done immediately.
10. Grid Cut-off: what happens when you drop a grid cassette on your toe.

**MSRT 1984 PICTURE CAPTIONS**

Row 1: left to right

MSRT Board at work during a business meeting: **CONNIE HUESGEN, ROY JERDEN, DEBRA HURST, BARBARA HENTE, JOHN BRYAN, RUBY GIVENS and NIKKI THIELMANN**

President **DEBRA HURST** presents Sante Lecture plack to the 1984 Sante Lecturer Sr. **HILDA BRICKUS**

Row 2: left to right

**PHIL SOTIR, JACK LaFOND, FASRT (MSRT president 1944-1946), and HENRY CASHION**

**ROBERT FELDHAUS, Sgt.-at-Arms and Commercial Exhibit Chairman**

MSRT logo-flag constructed by **EILEEN FITZGIBBON, 4th Dist.**

Row 3: left to right

**Mr. & Mrs. WALTER MADEJ, WALT is the I.S.S.R.T. President**

**Dr. ARMAND BRODEUR displays magic tricks at a luncheon**



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# ASRT SCANNER

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## CANDIDATES FOR ASRT OFFICES

The final slate of candidates and their respective offices are listed below.

### PRESIDENT-ELECT

Barbara Jo (Kowalski) Hanna, R.T.(R)  
Dolores L. Wilson, R.T.(R)

### VICE PRESIDENT

Thomas L. Kraker, R.T.(R)

### SECRETARY-TREASURER

Elizabeth J. Escobedo, R.T.(R)  
George P. Pales, R.T.(R)(T)  
Patricia B. Taylor, R.T.(R)

### DIAGNOSTIC MEDICAL SONOGRAPHY

Carol A. Krebs, R.T., R.D.M.S.

### REGIONAL DIRECTORS

#### Region II

Jane L. Anderson, R.T.(R) Oregon

#### Region IV

Eileen M. Ahlswede, R.T.(R) Wisconsin

#### Region V

Norman L. Hente, R.T.(R) ~~Missouri~~  
John H. Mitchell, R.T.(R) Arkansas

The ASRT election ballots will be mailed no later than 4/8/85. If you have not received your ballot by 4/22/85, please notify the ASRT Executive Office by letter. Only written requests will be honored. Telephone calls regarding this matter cannot be accepted.

## JRCERT APPOINTMENT CRITERIA

The ASRT is presently accepting nominations for a three year appointment to the JRC to become effective January 1986. All ASRT members are encouraged to nominate for this appointment. Send your nominations, based on the following criteria, to Bill May, RT, Itawamba Junior College, Department of Radiologic Technology, Fulton, MS 38801, by June 1, 1985.

Criteria for the selection of Members of the Joint Review Committees.

**Education:** Preferably a technologist with some college education, director of an educational program, or instructor with demonstrated expertise in the respective disciplines. A graduate of an AMA approved program, and credentialed by the ARRT.

**Philosophy:** A technologist who shows evidence of understanding the interrelationships between ASRT, ARRT, and the Joint Review Committees as they relate to educational guidelines, standards, and certification.

Other Considerations:

1. Active membership in ASRT, 3 - 5 years prior to appointment.
2. Must be enrolled in the Evidence of Continuing Education Program.
3. Candidate's geographical location: Whenever possible, there should be a balanced geographical distribution of members of the JRC.

Continued on Page 2

# BE SURE TO VOTE !!

MSRT ANNUAL MEETING: SPRINGFIELD,  
OCT. 9-12, 1985

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## RADIATION THERAPY CORNER

With the growing use of metal alloys for custom block making in our profession, one can't help but wonder to what extent this system may be hazardous to our health.

The following is a synopsis of an abstract given by Glen P. Glasgow, Phd, from Mallinckrodt Institute of Radiology, Washington University School of Medicine, 510 S. Kingshighway, St. Louis, MO 63110; and Glen I. Reeves, MD, USAF Medical Center, Kessler Air Force Base, MS 39534. For a copy of "Safety Consideration During the Production of Radiation Therapy Shielding Blocks from Low Melting Temperature Bismuth Alloys" contact Dr. Glasgow.

Glasgow and Reeves explain that many Radiation Centers use low melting bismuth alloys that are known as Lipowitz's metal, Cerrobend, or Ostalloy because it is easier to shape and it more accurately reproduces the treatment field. What are the potential hazards of these metals, and what precautions are required?

Metal can enter the body in three ways: ingestion of dust; absorption through the skin; and inhalation of vapors and dust particles.

Cerrobend<sup>R</sup> contains 50% bismuth, 26.7% lead, 13.3% tin, and 10% cadmium. Physical density @ 20 degrees C is 9.4 g/cm<sup>3</sup>. The 70 degree C melting temperature provides the greatest safety factor compared to the 300 - 350 degree C melting temperature of the component metals.

Among the results were that tin and bismuth were the least hazardous. Lead and cadmium offer the greatest toxicity because lead enters the body by all three methods in addition to collecting in bones. Cadmium is very toxic, particularly as cadmium oxide.

These metals can be monitored on personnel using blood and urine tests. It is recommended that workshop personnel have blood tests for lead every three months. Normal lead readings are from 0 to 30 micrograms (mcg) per 100 ml of blood. However, OSHA has no standard for the amount of lead allowed in a worker's blood, but a standard of 60 mcg/ml of blood is under consideration. The urine test for cadmium and protein should be performed every six months. The normal level of cadmium in urine is under 10 mcg/liter of urine.

Precautionary measures should be observed in the workroom by using proper equipment, correct procedures, protective clothing, and personal habits. Some of these measures include: a thermostatic controlled melting pot, use of a fume hood, block cutting by band

saw only when necessary, elimination of dust whenever possible, elimination of the use of propane torches, and no food or drink in the work area.

In summary, proper use of low-melting temperature bismuth alloys should not constitute a health hazard for workshop personnel when proper work practices are observed.

Eileen A. McCullough, BHS, RT(T) is the first recipient of the Varian Award for Achievement in Radiation Therapy Technology. This Varian Award will be presented annually to the technologist who has made a significant contribution to the profession. Eileen's award includes a plaque and a \$1000 travel award.

As many of you know, I publish a Newsletter quarterly with information relating to our profession. If anyone is interested in receiving this newsletter, please write or call me: Ed VanArsdale, RT(R)(T), Vanderbilt Center for Radiation Oncology, E 1200 Vanderbilt Medical Center North, Vanderbilt University, Nashville, TN 37232; (615) 322-2555.

### NRTW 1985

*This year, National Radiologic Technology Week will be November 4 - 10.*

*Watch the Scanner and Journal for more information about this event.*

## EDUCATIONAL FOUNDATION TO SPONSOR FIRST SEMINAR

The ASRT Educational Foundation will hold its first seminar in conjunction with Arthur Andersen & Co., April 12-13, 1985, at the Opryland Hotel in Nashville, TN. The course, "Health Care in the 1990s: Trends & Strategies," which has been approved for 10 ECE credits, discusses state-of-the-art information for every health professional interested in health care today. This seminar is based on a publication and survey of 1,000 experts in the health care industry conducted by Arthur Andersen & Co. and the American College of Hospital Administrators. The publication, "Health Care in the 1990s: Trends & Strategies," will be used as the course syllabus. Topics for discussion will include: Social Philosophy, Regulations, Payment Systems, Competition and Marketing, Human Resources, Finance, and Corporate Structure. This course will provide ground work for strategic planning in the hospital and clinical environment for radiology managers and administrators; and for radiologic technology educators this seminar will establish the basis for instructing students in the implications and strategies involved with the new payment system and the impact of this system on education programs.

The registration fee of \$150.00 includes the meeting registration, coffee and refreshment breaks, Friday luncheon, course materials, and the official publication "Health Care in the 1990s: Trends & Strategies." An income tax deduction may be allowed for educational expenses undertaken to maintain and improve professional skills. This includes registration fees, travel, meals, and lodging.

This meeting will be held in the Opryland Hotel, next door to the world famous Grand Ole Opry. A special seminar rate has been obtained from the hotel of \$80.00 per day (single or double), \$90.00 per day for king upgraded rooms, or \$100.00 per day for rooms with private balconies overlooking the lush Victorian garden beneath more than two acres of skylights. To make hotel reservations, contact the Opryland Hotel Reservation Desk at (615) 889-1000. Your hotel reservation should be made as soon as possible to assure availability of space and may be secured with an American Express card or one night room deposit.

Registration for this exciting and timely seminar is limited to 200 persons. For a seminar brochure, or for more information, please contact Jana Knol, Director of Education, or Dorrie Fierro, ASRT Educational Foundation, 15000 Central Ave, SE, Albuquerque, NM 87123; (505) 298-4500.

Continued from Page 1

4. Candidate's area of expertise: Members of the Joint Review Committees should be certified in the discipline whose programs are surveyed by the respective JRC.
5. Candidate's employment position:
  - a) There should be an appropriate balance between practicing technologists and educators on each of the Joint Review Committees.
  - b) There should be a balanced representation on each Joint Review Committee from both hospital based and college based educational programs.
6. The Candidate should have expertise as a Site Surveyor.

## CALL FOR SPEAKERS

ASRT is looking for speakers to conduct educational programs at the 1985 American Society of Therapeutic Radiology and Oncology Meeting (ASTRO) in Miami Beach, Florida, Sept. 29 - Oct. 4, 1985. If you are interested in this, or have any comments or suggestions, please contact: Jana B. Knol, Director of Education, ASRT Educational Foundation, 15000 Central Avenue, SE, Albuquerque, New Mexico 87123 by March 15, 1985.

## EDUCATIONAL OPPORTUNITIES EDUCATIONAL OPPORTUNITIES

## ASRT ANNOUNCEMENTS

### JOHNS HOPKINS TO HOLD TUTORIALS

The Department of Radiology and Radiological Sciences of the Johns Hopkins Medical Institutions will hold Tutorials in Interventional Radiology and DSA on April 1 - 3, 1985, at the Turner Auditorium Building, Johns Hopkins Medical Institutions, 720 Rutland Avenue, Baltimore, MD. The course registration fee is \$325.00 for physicians; and \$175.00 for nurses, technologists, and residents. This course has been approved for 24 ECE credits. For more information, please contact: Carlita M. Kearney, Program Coordinator, Office of Continuing Education, Room 19, Turner Building, 720 Rutland Avenue, Baltimore, MD 21205, or (301) 955-3168.

### INDIANA UNIVERSITY HOSPITALS TO HOLD SPRING PROGRAM

The Departments of Radiation Oncology and Obstetrics and Gynecology at Indiana University in Indianapolis, Indiana will hold a continuing medical education program entitled "Advances in the Management of GYN Malignancies." This program will be presented April 12, 1985 at the Airport Holiday Inn in Indianapolis and the instructors will be Dr. Taylor Wharten and Dr. Allen Lichter. For more information, please contact: Alison Calkins, MD, Department of Radiation Oncology, Radiation Therapy 071, 1100 West Michigan Street, Indianapolis, IN 46223, or (317) 264-2524.

### ULTRASOUND SYMPOSIUM

The Society of Diagnostic Medical Sonographers will present a Spring Symposium '85 on March 22 - 24, 1985 in Las Vegas, Nevada. Among the educational lectures and workshops will be the following: abdominal sonography; echocardiography; doppler (PV & cardiac); interventional sonography; neonatal neurosonography; ob-gyn sonography; ultrasound physics; bioeffects; veterinary ultrasound; stress; education; public speaking; computers; patient-sonographer relationships; tissue characterization; writer's workshops; and more. For further information, contact: SDMS Executive Office, P.O. Box 31782, Dallas, TX 75231, or (214) 369-4332.

### DIAGNOSTIC RADIOLOGY

The Twenty-eighth Annual Postgraduate Course in Diagnostic Radiology will be presented by the Department of Radiology and Extended Programs in Medical Education, University of California School of Medicine, San Francisco, California and the Radiology Research and Education Foundation, March 11 - 15, 1985, at the Fairmont Hotel and Towers in San Francisco, CA. This course has been designed to provide a survey of selected subdivisions for diagnostic radiology. At the completion of this program, the participants should be able to: describe current concepts and recent advances in diagnostic radiology; describe the newest techniques in sub-specialty areas of radiology (gastrointestinal, pediatric, pulmonary, skeletal, genitourinary, oncologic, and neuroradiology); indicate available intervention modalities and the appropriate timing of such procedures; discuss the new imaging modalities such as CT, ultrasound, and magnetic resonance; and demonstrate a better understanding of pathophysiologic processes. This program has been awarded 33 ECE credits. For program information and registration, please call (415) 666-5731.

### UNIVERSITY OF MICHIGAN TO SPONSOR COURSE

The Department of Radiology and the Office of Continuing Medical Education of the University of Michigan Medical School are sponsoring an upcoming course, "Chest Radiology: Pioneers and New Frontiers" which is scheduled for October 25 - 27, 1985 at the Towsley Center, University of Michigan, Ann Arbor, Michigan. The course director is Barry H. Gross, MD; and guest speakers will be David R. Dantzker, MD, of Houston, TX; Benjamin Felson, MD, of Cincinnati, Ohio; Robert G. Fraser, MD, of Birmingham, Alabama; and E. Robert Heitzman, MD, of New York, New York. For more information, please write or call: Dove Margenau, the Office of Continuing Medical Education, the Towsley Center, Box 057, University of Michigan Medical School, Ann Arbor, MI 48109-0010, or (313) 763-1400.

### ATTENTION: RADIATION THERAPY TECHNOLOGISTS

The 1985 ASTRO meeting will be held Sept. 29 - Oct. 4, 1985 at the Fountainbleau Hotel in Miami Beach, FL.

A component of this year's program will be short presentations by radiation therapy technologists. These presentations, which can not exceed 15 minutes, may address any aspect of radiation therapy technology, including new techniques, devices, management, education, or work in progress. This section of the program is limited on a first come, first serve basis. If you want to participate in this program, submit an abstract of not more than 200 words by June 1, 1985 to: Jana B. Knol, Director of Education, ASRT Educational Foundation, 15000 Central, SE, Albuquerque, NM 87123.

### ASRT INFORMATION CENTER

Among the services ASRT offers is the ASRT Information Center. The purpose of this center is to collect and distribute accurate, timely and useful information from a number of sources. If the Information Center does not have the data you need, we will make every effort to refer you to sources providing the pertinent information.

Included in the ASRT Information Center are eight information categories: 1. Professional; 2. Education; 3. Legislative; 4. Business Management; 5. Radiation Safety; 6. Legal; 7. Consumer; and 8. Technical.

If you need information, the Information Center may be able to assist you. Contact the American Society of Radiologic Technologists Information Center, 15000 Central Avenue, SE, Albuquerque, NM 87123, Attn: Gail Gerstner-Miller, or call (505) 298-4500.

### SIEMENS & VARIAN AWARDS

Siemens Medical Systems Inc., is proud to announce the establishment of the Siemens Awards for scientific papers by radiation therapy technologists. The awards are: 1st place - \$500.00 with plaque; 2nd place - \$250.00 with plaque; and 3rd place - \$100.00 with plaque. Active and student members of ASRT are eligible to enter this competition which shall be judged by a panel appointed by ASRT. For more information regarding submission criteria, contact ASRT. The deadline for submissions is May 1, 1985. The first awards will be presented at the 1985 ASTRO meeting.

The Varian Award is presented annually in recognition of a technologist who has made a significant contribution to the field of Radiation Therapy Technology. The award, which consists of a plaque and a \$1000 travel award, is presented during the ASRT portion of the ASTRO meeting. Nominations for this award may be made to members of the ASRT Selection Committee, and must be submitted by June 30 to be considered for the following year award. For more information about the Varian Award, contact ASRT.

**ARKANSAS**

The Arkansas Society of Radiologic Technologists will hold their annual meeting April 18 - 20, 1985 at the Little Rock Hilton in Little Rock, AR. For further information, please contact: Judy Gardner, RT, 916 South Commerce, Number 10, Little Rock, AR 72202.

**FLORIDA**

The 1985 annual meeting of the Florida Society of Radiologic Technologists will be held at the Don Ce Sar Beach Resort on St. Petersburg Beach, Florida, May 2 - 5, 1985. The West Florida Society of Radiation Therapy Technologists is the host district society for the 1985 annual meeting and a program covering all imaging modalities will be presented for technologists throughout the State of Florida.

Mr. Chuck Mitchell, RT(R) has been appointed as communications coordinator for the Florida Society of Radiologic Technologists. Mr. Mitchell is a past president and life member of the Florida Society and currently serves on the FSRT Board of Directors. His duties include editor of TROP-X-Ray, the official journal of the Florida Society and editor of the newsletter.

**LOUISIANA**

The Louisiana Society of Radiologic Technologists will hold their annual meeting August 8 - 10, 1985 at the Holiday Inn Holidome in Monroe, LA. For more information, please contact: Victor Simoneaux, RT, Chairman, 300 McKinley, Number 4, Monroe, LA 71201.

**MASSACHUSETTS**

The 54th annual meeting of the Massachusetts Society of Radiologic Technologists will be held May 2 - 4, 1985 at the Marriott Hotel in Worcester, MA. For further information, please contact: Patricia Selleck, RT, 664 Pearce Street, Fall River, MA 02720.

**MISSISSIPPI**

The Mississippi Society of Radiologic Technologists held its annual convention in Jackson, Mississippi on October 19 and 20, 1984. The newly elected officers for 1984-85 are: President - JoAnne Gregory, RT; President-Elect - Otis Rhea Warren, RT; Vice President - George Vanderslice, RT; Secretary - Nancy McCormick, RT; Treasurer - Nancy Melton, RT; BEAM Editor - Rick Kolar, RT; and Counselors Lee Wallace, RT and Mike Speed, RT.

The 1985 convention will be held in Tupelo and in 1986 it will be in Biloxi.

**NEBRASKA**

The Nebraska Society of Radiologic Technologists held their annual fall seminar on November 2 and 3, 1984 at the Midtown Holiday Inn, in Grand Island, Nebraska. There were 94 registered staff and student technologists with 58 pre-registered for the two day event.

The following individuals participated in the seminar and helped make it a success: Terry R. Rusthoven, MD; John A. Wagoner, MD; Elizabeth L. Adams, MD; Elizabeth Rapier, MD; Steve K. Woodman, MD; Judy L. Rainforth, MD; Dan L. Becker, MD; and Bruce Pierce, RT.

**OREGON**

The 1985 annual meeting of the Oregon Society of Radiologic Technologists will be held at the Red Lion Inn, Lloyd Center, Portland, Oregon on April 18 - 21, 1985. The annual meeting chairman is Tracy Gorczewski, RT, 516 Cambridge Street, Newberg, Oregon 97132. The education chairman is Betty Full, RT, 635 West 10th, McMinnville, Oregon 97128.

**WISCONSIN**

The Wisconsin Society of Radiologic Technologists held their annual meeting September 13 - 15, 1984 at the Sheraton Convention Center in Madison, WI. The newly elected officers for 1984-1985 are: President - Gregory Spicer, RT; President-Elect - Marsha Van Lanen, RT; Vice President - Wendy Davis, RT; Secretary - Kathy Sieg, RT; Treasurer - Jan Vollrath, RT; Board Chairman - Linda Krause, RT; Counselors - Cynthia Haupt, RT and Sister Doris Steinfeldt, RT.

**ECE CREDIT FOR RSNA**

ASRT members, who are also enrolled in the ECE Program, and attended the recent RSNA meeting, should wait until they receive the computer printout from RSNA of educational courses attended, and send a copy of that printout to ASRT in order to receive the proper number of ECE credits.

**NOW AVAILABLE FROM ASRT**

The Committee on Radiation Therapy in conjunction with radiation therapy program directors across the United States have gathered listings of suggested text books for each unit of the curriculum guide.

The information has been compiled by units so you may include the supplemental material behind the appropriate section of the curriculum guide for easy reference.

Copies of the suggested text book list are now available from the ASRT Executive Office. Radiation therapy technology program directors who helped compile the lists may receive a copy free of charge. Other interested individuals may obtain the Suggested Text Book List for Radiation Therapy Technology at a cost of \$2.50 to cover duplication, postage, and handling. To order your list, send your name, address and check or money order for \$2.50 per copy to the ASRT Executive Office, 15000 Central Avenue, SE, Albuquerque, NM 87123.

The Preliminary Program for the 1985 ASRT Annual Conference was mailed December 28, 1984. If you have not yet received your copy of the Preliminary Program, please contact ASRT as soon as possible and a copy will be sent to you.

**ASRT SCANNER**  
*Published Quarterly*  
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**DON'T FORGET!!!**  
**1985 ASRT ANNUAL CONFERENCE**  
**THE RADISSON, DENVER, CO**  
**JUNE 22 - 27, 1985**



## MEET THE BOARD

It is because I take MSRT seriously that I consider being chosen president to be a great honor. Currently, however, my concern is for fulfilling the responsibility of leadership which you have given me.

My past involvement in MSRT has been primarily through 7th District and as a District Representative to the Board. While certainly not extensive, it has been sufficient to acquaint me with the problems and promise of our organization. The major goal of MSRT this year must be to expand our base of services. I feel that as technologists we have a variety of professional needs and that our professional organization should strive to help us meet those needs. The Board is currently exploring a number of areas which you have suggested, but as we begin trying to implement these plans we will need your feed back to continue or modify these programs.

I expected this position to require a lot of time but the "overrun" is a little more than anticipated. I can tell my interest in Early American archaeology is going to suffer this year. Probably the closest I will come is sifting through the President's old files. Eventhough the duties place considerable demand on my time I also find them very rewarding. One of the most rewarding I have found is the opportunity to meet and work with other technologists throughout the State in trying to make a positive contribution to our profession.

MSRT has a good Board this year but we need the encouragement of your participation. Please help us to have a productive year.



MEET SOME MSRT

BOARD

MEMBERS



Board Position: TREASURER ★

Our 1985-86 Treasurer is Kathy Parsons from Columbia.

Kathy is a graduate of St. Mary's Hospital School of Radiologic Technology in Milwaukee, Wisconsin.

Kathy currently works as a CT tech on a mobile cat scanner unit. She has been a registered tech for over 3 years.

Kathy has attended Memphis State University and Three Rivers Community College. Her interests other than her career are crafts, painting, gardening and cooking. (sounds as if the Board should have a meeting at Kathy's - with lunch of course!)

Board Position: WESTERN COUNSELOR ★

Our current Western Counselor is Ruby Givens from Springfield.

Ruby is registered in radiation therapy as well as radiography and she currently works in radiation therapy.

Ruby graduated from Research Hospital (Kansas City) School of Radiologic Technology and from Radiation Therapy Technology school at Ellis Fischel State Cancer Hospital in Columbia. She has worked and lived in Tucson, Denver, and Springfield.

As some of you may be aware Ruby is a proud new mother - child #2 was born just after the 1984 MSRT Annual Meeting. Randon Donathan Givens arrived on Nov. 13, 1984.

Ruby sent along a few words to share with us:

When I accepted the position of Western Counselor from the ASRT Board of Directors to the MSRT, I was not truly aware of my duties. One of these duties involves the Evidence of Continuing Education (ECE) program. As a representative of the ASRT, I am to review and approve (or disapprove) applications for ECE credit. I was amazed at the variety and quantity of avenues for ECE credit.

The ECE program is an incentive to help us further our knowledge in the years after graduation. We know that there are almost daily changes in our chosen modalities and none of us want to stagnate. I encourage all technologists to join the ASRT and the ECE program - we can help our profession and keep up to date.

I welcome any comments, questions, or suggestions.

(Ed. Note: Ruby's address is listed on the Board of Directors listing)

\* \* \* \*

We will meet more of our Board members in future issues of our journal.

"Meet the Board" is an attempt to let our membership know their fellow technologists who have chosen to serve the rest of us by being a member of the Board of Directors. Most of your Board have served on the District level for a number of years in addition to serving on the state level. Many technologists around the state have 5 or more years of Board service either on the District or State Boards, several have many more years they have given to our profession. Not enough thanks can be given for their dedication!





THE MISSOURI SOCIETY OF RADIOLOGIC TECHNOLOGISTS

April 29, 1985

Dear Member:

A current goal of MSRT is to establish a "Positions Available" service for technologists. We feel that job openings regularly occur within the State but that the majority of interested technologists remain unaware of these openings. If you have ever tried to locate a job or recruit for an available position in Missouri I'm sure you became aware of the absence of efficient forms of communication. We feel that the RADIOGRAPHER can and should provide a needed service in this area.

We do need your help in getting this service started. You will be receiving a letter addressing a radiology department supervisor and explaining the service. This letter should be given to your supervisor or department head. Don't leave it to someone else for we are counting on you.

Sincerely,

John Bryan, R.T.  
President, MSRT

The Board of MSRT is pleased to announce the implementation of a Student Technologist Scholarship Fund for needy and deserving students. It was felt that such a program will play a significant role in encouraging scholarship and continuing to develop excellence in our profession. The first award is to be presented at the 1985 Convention in Springfield. Funding is to be derived from our yearly raffle so please help support this very worthwhile project.

For further information you may contact:

Pamela S. Fulmer, R.T.  
President-Elect  
1608 Ellison Way  
Independence, MO 64055







## THE MISSOURI SOCIETY OF RADIOLOGIC TECHNOLOGISTS

Reply to:

The Missouri Society of Radiologic Technologists is pleased to announce a scholarship award to needy and deserving students.

The award is for \$500 and will be presented at the Missouri Society of Radiologic Technologists Annual Meeting.

### **Educational Requirements:**

- a. The candidate must be pursuing an education in the field of radiologic technology. The candidate must be a senior student in the upper one-third of the class
- b. The grant must be used at the institution of the student's choice and is to be paid directly to the institution by the Missouri Society of Radiologic Technologists.
- c. The recipient must be willing to sign an agreement that if he or she would leave school before or at the end of the first semester the entire amount of scholarship is to be returned.
- d. The recipient must be a Missouri resident. This will include Metropolitan St. Louis and Metropolitan Kansas City.

### **FORM OF APPLICATION**

1. Scholarship application Form.
2. A recent photograph of applicant (optional).
3. Two recommendation letters of not over two hundred words.
4. A transcript of credits; the rank in class and scores of College Aptitude Tests, College Entrance Board preferred; and, if enrolled in college, the latest and most complete college transcript record.

□ □ □

25



THE MISSOURI SOCIETY OF RADIOLOGIC TECHNOLOGISTS

Reply to:

THE MISSOURI SOCIETY OF RADIOLOGIC TECHNOLOGISTS SCHOLARSHIP FUND

Committee Function and Method of Candidate Evaluation:

The Scholarship Committee shall consist of a three member panel appointed by the President. These shall be:

1. Missouri Society of Radiologic Technologists Board member,
2. An educator in the field of radiologic technology, and
3. An educator in any medical field.

Funding:

The funding of the Missouri Society of Radiologic Technologists Scholarship Fund would be derived from the yearly raffle. Any donations to the fund would be accepted. This scholarship fund would be kept in a separate interest-bearing account.

Awards and Meetings:

The committee shall meet to compile total number of points for each applicant. If an applicant has not completed requirements by sending necessary forms, the application is discarded. Awards shall be presented at the Presidential Banquet at the annual meeting.

Judging:

Scholarship applications shall be mailed to the Missouri Society of Radiologic Technologists, P.O. Box 14333, St. Louis, Missouri 63178 by July 1 to allow ample time for judging.

□ □ □



THE MISSOURI SOCIETY OF RADIOLOGIC TECHNOLOGISTS

Reply to:

APPLICATION

Applicant's name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Age: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Spouse's Name (if applicable): \_\_\_\_\_

Number of Children: \_\_\_\_\_

Parent of Guardian's Name (is applicable): \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Present Place of Employment: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Education:

	Dates Attended	Date Graduated	Degree (if applicable)
--	----------------	----------------	---------------------------

High School: \_\_\_\_\_

College: \_\_\_\_\_

Other: \_\_\_\_\_

Income:

Gross Salary \_\_\_\_\_

Spouse's Salary (if applicable) \_\_\_\_\_

Parent's Support \_\_\_\_\_

Other Sources (Grants, alimony, child support)  
\_\_\_\_\_

Attach all high school and college transcripts.

□ □ □

CONTEST

CONTEST

CONTEST

CONTEST

What is the contest for?

A BUMPER STICKER



1st Prize:

1985-1986 free MSRT Dues  
AND  
a free bumper sticker

2nd prize:

"thanks for entering" and a free bumper sticker

Requirements: size - 11 inches in length, 3 inches wide

- May include: \* MSRT logo
- \* two colors (white is not considered a color - so if you use white, you can still use two 'colors')
- \* may include up to three lines of word copy

Rules: Send your design for a MSRT Bumper Sticker to:

MSRT  
P.O. Box 14333  
St. Louis, Mo. 63178

Deadline: July 1, 1985



- ## (your name will appear on the Bumper Sticker as designer - Become known throughout the state!!!!)★ ★
- ## (If you use a logo: we have copies, so you do not need to re-draw the logo)★
- ## (All MSRT members may enter)★

Direct any questions to:

Barbara W. Hente  
MSRT Secretary  
P.O. Box 14333  
St. Louis, Mo. 63178

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

Phone (in case there is a question!): A/C \_\_\_\_\_ # \_\_\_\_\_

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800-543-3000 Ext. 2235

**BEST REGARDS TO  
THE MISSOURI RADIOGRAPHER FOR 1985**



Don R. Beussink  
Regional Manager

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# CALENDAR OF EVENTS

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- May 4-5, 1985      9th Annual Rad. Therapy Tournament  
Hyatt Regency, Schaumburg, Il.  
Contact: Judy Bastin (312) 256-5150
- May 10              Radiography Educators of the Midwest  
11 am - 4 pm, Moline, Il.  
Contact: Bill Callaway (309) 757-2723
- June 9-14           Am. Asoc. Med. Dosimet., Salt Lake City, Utah
- June 22-27          ASRT ANNUAL MEETING ★ ★  
Denver, CO.
- July 2-6             VIIIth World Congress of the ISRRT  
Honolulu, Hawaii  
Contact: 720 North St. Asaph Street  
Alexandria, Va. 22314-1997
- late July            MSRT Board of Directors Meeting  
Springfield, Mo.
- Oct. 9-12            MSRT ANNUAL MEETING  
University Plaza Hotel      ◀◀  
SPRINGFIELD, MO.
- Sept. 29-  
Oct. 4                1985 ASRTO Meeting (Therapy Technologists)  
Miami Beach, Florida
- Oct. 24-26          TSRT Convention  
Chattonooga, TN.  
Contact: Barbara Flexner, RTT (615) 322-2555

Have Your Renewed Your MSRT Membership? 

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