As the Midwest Chapter ends its year, I want to review our accomplishments. At the beginning of the year, the board and I set a number of goals to improve the chapter’s health and services to the members. We have accomplished the following goals.

- The chapter treasury has been strengthened by an increase in dues from members and affiliates.
- We now have more potential sponsors for meetings than we have meetings planned for the next twelve months. Sponsor contributions greatly improve the chapter’s financial health.
- The chapter has made provisions for electronic payment of dues and for events that we hope will make dues payment an easier process.
- We recently raised dues to $15 a year to help pay the costs of the chapter. Dues provide members with the Spectrum newsletter and help in defraying the cost of meetings when we host speakers. We increased our reserve to help keep the chapter solvent.

I welcome your thoughts and comments. You can reach me at eport@rsi.us or 847-965-1999. At this time, I want to extend my best wishes for a successful year as president of the chapter to Bruce Sanza who will be replacing me at the next meeting.
NRC INFORMATION NOTICE 2002-23, Supplement 1: "UNAUTHORIZED ADMINISTRATION OF BYPRODUCT MATERIAL FOR MEDICAL USE" was issued March 21, 2006 to all medical licensees. The U.S. Nuclear Regulatory Commission (NRC) issued the information notice (IN) to underscore the requirement in 10 CFR 35.27 that appropriate authorization be obtained before administration of byproduct material for medical use, and to re-emphasize the seriousness of deliberate misconduct.

NRC previously issued IN 2002-23, “Unauthorized Administration of Byproduct Material for Medical Use” on July 16, 2002, informing licensees of the importance of appropriate authorization before administration of byproduct material for medical use. (Note: IN 2002-23 may be viewed at the NRC website at http://www.nrc.gov/reading-rm/doc-collections/gen-comm/info-notices/2002/in02023.pdf). The cases described in IN 2002-23 involved the deliberate unauthorized administration of licensed material to humans. Since the issuance of IN 2002-23, NRC has become aware of additional cases involving the deliberate unauthorized administration of licensed material to humans. The unauthorized administrations in each of these additional cases involved licensee employees or students and did not involve patients.

DESCRIPTION OF CIRCUMSTANCES

In April 2004, a nuclear medicine technologist (NMT) at a teaching institution deliberately directed a student technologist to administer a dose of technetium-99m to the NMT for a scan of her brain knowing that she did not have the approval of a physician authorized user. The student technologist performed the brain scan as directed by the NMT. Licensee management notified NRC when they discovered the unauthorized administration. As a result of NRC enforcement action, the licensee in this case has taken several corrective actions to prevent recurrence, including providing orientation for new students and employees regarding these events, discussing this issue at external meetings, and communicating this issue via articles to be published in professional journals.

In another case, an NMT at a medical institution was deliberately administered a dose of technetium-99m for a renal scan in July 2003 by an unknown individual with the NMT’s knowledge that there was no approval by a physician authorized user. As in the first case, licensee management notified NRC when it discovered the unauthorized administration.

The licensee in this case has also taken several corrective actions to prevent recurrence including providing training to employees regarding these events, implementing quarterly audits/inspections of the Nuclear Medicine Department, and reviewing policies and procedures for areas of improvement.

DISCUSSION

The deliberate unauthorized medical administration of byproduct material involves violations of 10 CFR 35.27, "Supervision" and 10 CFR 30.10, "Deliberate Misconduct."

The NRC’s requirements regarding the medical use of byproduct material are contained in 10 CFR Part 35, "Medical Use of Byproduct Material," and provide that only a physician authorized user or someone under the supervision of an authorized user, may administer licensed material. Specifically, Section 35.27(a)(2), "Supervision," requires that an individual, under the supervision of an authorized user, follow the instructions of the supervising authorized user regarding medical uses of byproduct material, written radiation protection procedures established by the licensee, written directive procedures, and all applicable NRC regulations and license conditions.

In addition,10 CFR 30.10 (a)(1), which is applicable to medical users, provides in part that any licensee, certificate of registration holder, or applicant; or contractor or subcontractor of these entities, who knowingly provides goods or services related to the licensee’s certificate holder’s, or applicant’s activities in Part 30, may not engage in deliberate misconduct that causes or would have caused if not detected, a licensee, certificate of registration holder or applicant to be in violation of any rule, regulation, or order; or any term, condition, or limitation of any license issued by the Commission. Under these provisions, persons who have reasonable knowledge that their actions are related to an activity subject to NRC regulations, and deliberately engage in misconduct that causes or would have caused a violation have violated section 30.10, and may be subject to enforcement action. Such deliberate violations are significant in that they pose a distinct threat to public health and safety.

Violations caused by the deliberate actions of a licensee and/or its employees are of serious concern to the NRC. Deliberate violations on the part of licensees can seriously undermine the public's trust in the NRC’s ability to effectively carry out its mission to protect the health and safety of the public and radiation workers. Therefore, NRC has authority to impose significant enforcement action for such violations, and will consider imposing significant sanctions when assertions of deliberate misconduct are substantiated.
A Look Back at Our Chapter History

Kit Weaver, Chapter Historian

The principal organizer for the Midwest Chapter was Robert V. Wheeler, who was also the Chapter’s first President. In February 1961, he sent a letter to “all Chicago area members of the Health Physics Society” that proposed to organize a Chicago Area Chapter of the HPS.

An organizational meeting was held on March 25, 1961, at Argonne National Laboratory in order to approve bylaws for the proposed chapter, nomination of officers, and the signing of a petition to the HPS. This organizational meeting included an “all you can eat” dinner at a cost of $2.25. This price was advertised to include all taxes and tips.

Actually the first item of business at the March 25th meeting was the selection of a chapter name. “After considerable discussion of six possible names, the name ‘Midwest Chapter’ was adopted and approved.”

Once the Chapter had completed the necessary organizational steps, the HPS issued the formal charter to the Chapter in June of 1961 at its annual meeting in Las Vegas.

The initial dues fee collected from prospective members was $1 per person. The annual dues membership was raised to $3 in 1962 and remained at that level until 1978 when it was raised to $5. The Chapter membership grew from in its initial 29 charter members in 1961 to 81 members on January 24, 1962.

The Chapter’s first general meeting was held on September 30, 1961, at which time Roy Hageman and Thomas Brockett spoke on the subject of the “construction and operations of the Compliance Division of the U.S. Atomic Energy Commission.”

A mailing to the Chapter membership in October 1961 was identified as “Newsletter No. 1.” It included a membership roster and copy of the bylaws and mentioned that 39 members had attended the meeting held on September 30.

By the way, another mailing to Chapter members, dated October 24, 1963, indicates that a “nationally known firm in the field of radiation monitoring is seeking a General Manager. Midwest Location. Starting salary $11,000 - $14,000. The same company desires to hire a Radiological Physics Technician to work as a research assistant. Starting salary $5500 - $7500.”

Chapter Elections

By the time you get this newsletter, you should have already voted for chapter officers, or at least started thinking about it. You may wonder why vote if there’s only one candidate running for each office. The answer is that we want to hear from you. If no one votes the election is considered void and we would have to start all over. The candidates are listed below:

President-elect: Gerald Davidson
Secretary: John Schrage
Treasurer: Pete Kelly
Board: Steve Butala and Kelly Grahn

We look forward to serving the members and helping to keep the Midwest Chapter as strong as it ever was.
# Annual Meeting

**Program Agenda:**

**Town Hall Meeting on the Direction of the Chapter**

**Jointly Sponsored by Canberra and Global Dosimetry Solutions**

<table>
<thead>
<tr>
<th>Date:</th>
<th>Wednesday, January 18, 2006</th>
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<tbody>
<tr>
<td>Time:</td>
<td>6:00 PM Social Hour (cash bar)</td>
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<tr>
<td></td>
<td>7:00 PM Dinner</td>
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<td></td>
<td>8:00 PM Town Hall Meeting</td>
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<tr>
<td>Location:</td>
<td>Casey's Restaurant</td>
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<tr>
<td></td>
<td>415 E. North Avenue</td>
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<td></td>
<td>Lombard, IL 60148</td>
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<td></td>
<td>630-932-4777</td>
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<tr>
<td>Cost:</td>
<td>$20 for current members</td>
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<tr>
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<td>$25 for non-members (dues</td>
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<td></td>
<td>accepted during the meeting)</td>
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<td></td>
<td><a href="http://www.caseysrestaurant.com">http://www.caseysrestaurant.com</a></td>
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</tbody>
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## Menu

Choose one on the night of the meeting

- **London Broil** (Tender slices of prime char-broiled beef, served with bordelaise sauce and noodles)
- **Roast Half Chicken** (Marinated in olive oil and herbs)
- **Chicken Kabob** (Tender chunks of boneless chicken breast broiled on a skewer with tomatoes, onions and green peppers served on a bed of rice.)

All entrees are served with soup and salad, choice of potato, rice or noodles, dessert and beverage.

## Reservations:

Join us for the Annual Meeting of the Midwest Chapter. Please phone or email your reservation to Bruce Sanza, Program Chairman, by Friday May 26. Bruce’s email address is bsanza@northwestern.edu and his phone number is 847-491-2269.

## Midwest Chapter Health Physics Society

P.O. Box 513
Westmont, Illinois 60559