



**North Central Chapter Health Physics Society**  
**Minutes of the Business Meeting**  
**10 April 2015**  
**Iowa State Center, Ames, IA**

The meeting was called to order at approximately 1:00 PM by President Glenn Sturchio. President Sturchio started by thanking the attendees for coming to the Spring Meeting, Eric Armstrong for organizing the facility, Shari Mask for putting together an outstanding technical program and Mike Lewandowski for the miscellaneous odd and ends associated with the meeting. President Sturchio introduced the Councilors in attendance. Minutes from the Fall Business Meeting were approved by the audience by voice vote. The Secretary/Treasurer's report was presented (attached) by Mike Lewandowski. The membership numbers have decreased by about 10 since the Fall Business Meeting due to removing members who have not paid dues for the past few years. There are five new members: Ken Kerns and Mike McGuigan are returning members. Vai Paye with 3M and Kyle Underwood with Mayo are new members and Tim Behrends is a new student member. 86% of members have paid their dues. Mike will be personally contacting members who have not paid their dues.

Mike reminded the membership at the Executive Council had voted to offer complementary meeting registrations to persons who present at a meeting. The meeting registration fees will vary from meeting to meeting in order to break even at meetings.

The chapter finances are relatively steady at about \$29,000. Members should express their interests in ways to spend the chapter funds to members of the Executive Council. A show of hands poll was taken to determine interest in the ability to pay dues or meeting registration fees by credit card. About a third of those in attendance expressed an interest. Another poll was taken about paying a 50 cent to one dollar "convenience" fee to cover the costs associated with being able to use a credit card. Having to pay a convenience fee did not seem to make a difference among the attendees. The Executive Council would determine the amount of a fee to pass on to members.

Chris Kessler prepared the Affiliate's Report which was presented by Glenn Sturchio. Glenn asked for anyone who was interested in taking on the Affiliate Coordinator responsibilities to make themselves known to the Council. Glenn read off the list of the current 10 affiliate members.

Mike Lewandowski presented reports on the website, radiation instrument kit, nuclear radiation science grant, science teacher meetings and workshops and science teacher award (attached). Mike asked for suggestions or corrections for the website. Mike noted that there were several copies distributed throughout the room of a brochure marketing the radiation instrument kit to teachers. Shari Mask did a fantastic job in creating the brochure which will be posted on the web site. The kit remains used by a small, but consistent number of teachers, including chapter members, Rob McTaggart and Brian Hinderliter. The chapter has not received any nominations for the science teacher award or applications for the science teacher grant. Mike noted that there is an opportunity for chapter members to market the teacher award and grant. The chapter has not participated in any science teacher meetings since the American Association of Physics Teachers meeting in Minneapolis last summer. If anyone is interested in representing the chapter at the Iowa Academy of Sciences meeting, the chapter has resources available to support their attendance.

Mike noted that omitted from the Secretary/Treasurer's report was reading the names of the persons elected to office in the 2014 election. Shari Mask was elected President-elect. Jason Timm and Sam Hays were elected as Councilors. Their terms started immediately. Candidates on the 2015 ballot which



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is now underway include Victor Goretsky for President-elect, Katharine Arzate and Scott Huneycutt for Councilor. Those elected will take office at the Fall 2015 chapter meeting.

The Chapter nominated Glenn Sturchio for the HPS Fellow Award. The Executive Council was informed yesterday that Glenn was selected as one of the recipients of the award. Following are some comments from the nomination package and include quotes from supporting letters from current HPS Fellows.

“Glancing at the CV for Dr. Sturchio, you are immediately impressed with the sheer volume of effort he has put forth educating the public in radiation safety.” “An Elda Anderson awardee, his early career has been marked with early hard work and tremendous potential.” Glenn was awarded the Elda Anderson Award in 1999 and was awarded life membership in the New Jersey Chapter of the Health Physics Society in 2002. Currently he is the Section Manager of Standards Committee N13. Glenn is the Secretary/Treasurer and helped in the revitalization of the Radiation Safety Operations (now the Academic, Industrial and Research Radiation Safety Section). He has served as president of the local HPS chapter three times – once in New Jersey and twice since moving to the North Central Chapter. “Glenn was a staff HP passed the CHP exam and decided to move on and up in 1990 to take a corporate RSO position of his own at the nearby Merck pharmaceutical laboratory. This was a significant loss for us at Bell Labs, but was a great career move for Glenn.” “One of his papers was cited in Ken Miller's 2005 review of "excellent operational papers" that have appeared in Health Physics and Operational Radiation Safety.” “When the fellow award was created, Glenn was the type of person the Health Physics Society sought to celebrate.”

Shari Mask asked for volunteers to host the Fall 2015 meeting. Anyone interested in hosting should contact Shari or Mike. Victor noted that the Spring 2016 meeting will be held in Madison, WI.

Shari Mask also noted that we need to have more volunteers to run for office for the chapter. Glenn Sturchio noted that serving on the Council is a great opportunity to influence how to spend the chapter's finances.

Glenn reminded those who are certified health physicists that the AAHP has awarded 6 continuing education credits for this meeting and the previous fall meeting. Course numbers are listed on the agenda as well as on the web site.

Glenn Sturchio asked for any Other Business from the floor. There was no business from the floor and the meeting was adjourned at 1:25 PM.

Respectfully submitted,

Mike Lewandowski  
Secretary/Treasurer



**NCCHPS  
Business Meeting  
10 April 2015**

Room 260-262 Scheman Building  
Iowa State Center  
Ames, IA

**AGENDA**

1	Call to Order
2	Welcome and Introductions
3	Review/Approve Fall 2015 Meeting Minutes
4	Secretary/Treasurer's Report – Mike Lewandowski <ul style="list-style-type: none"> <li>• Introduction of New Members and Officers Elected in 2014</li> <li>• Interest in use of credit cards for dues and registration payments</li> </ul>
5	Affiliates Report – Chris Kessler
6	Other Reports – Mike Lewandowski <ul style="list-style-type: none"> <li>• Website</li> <li>• Radiation Instrument Kit</li> <li>• Nuclear Radiation Science Grant</li> <li>• Science Teacher Meetings &amp; Workshops</li> <li>• Science Teacher Award</li> </ul>
7	HPS Award Nominations
8	2015 Election Status
9	AAHP Credits for Fall 2014 Meeting and Spring 2015 Meeting <ul style="list-style-type: none"> <li>• 6 credits for Fall Meeting: 2014-09-004</li> <li>• 6 credits for Spring Meeting: 2015-04-002</li> </ul>
10	Fall 2015 Meeting Location
11	Other Business
12	Adjourn

# North Central Chapter of the Health Physics Society

## Secretary/Treasurer's Report

10 April 2015

Submitted by Mike Lewandowski

### Membership Summary

Voting members	110
	14 <i>Emeritus</i>
Student members	2
Total	112
Affiliate members	10

*Note: 86% of members have paid their 2015 dues!*

### New members:

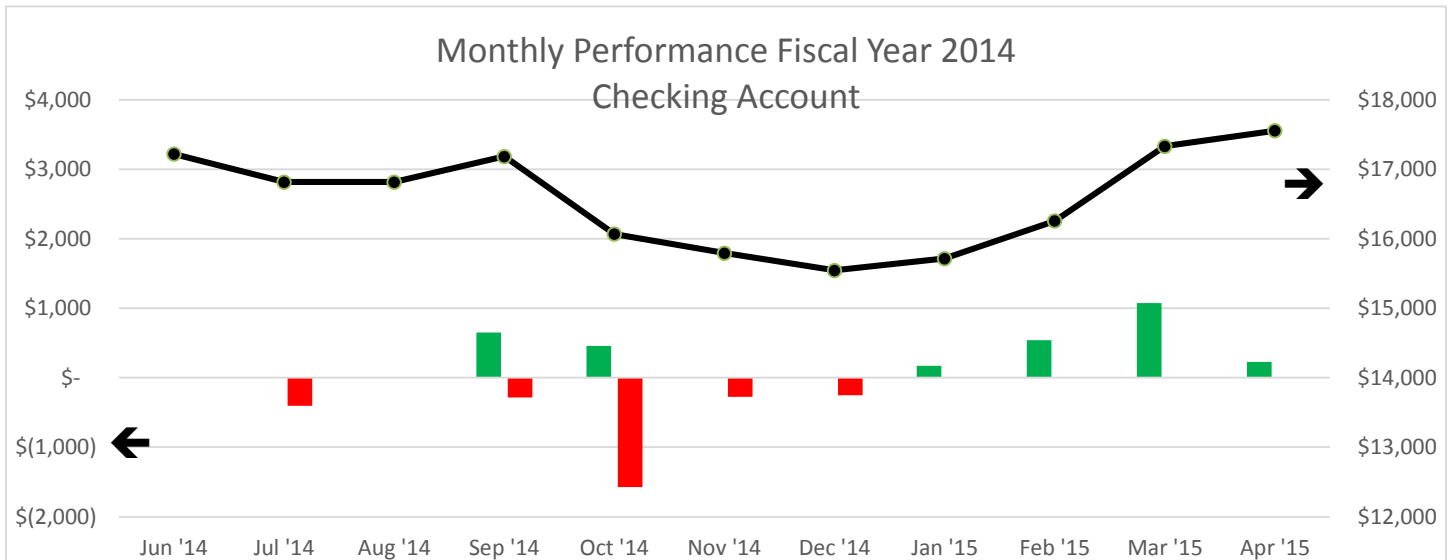
- Tim Behrends – South Dakota State University (student member)
- Ken Kerns – University of Minnesota (returning member)
- Michael McGuigan – Ames Lab (returning member)
- Vai Paye – 3M Company
- Kyle Underwood – Mayo Clinic

### Fiscal Year Summary

	1 July 2014	3 April 2015
Checking Account	\$ 16,907.25	\$ 17,556.51
Savings Account	\$ 11,793.51	\$ 11,802.33
Total Assets	\$ 28,700.76	\$ 29,358.84

### Actions that impact the Chapter's finances

1. The Executive Council agreed to offer complementary registration to any Chapter member who presents a paper at a Chapter meeting.
2. The Executive Council determined that the meeting registration fee should be set to cover the meeting cost.



**North Central Chapter of the Health Physics Society**

Secretary/Treasurer's Report

10 April 2015

**NCCHPS Financial Report Fiscal Year to Date**

1 July 2014 - 3 April 2015

<b>INCOME</b>		<b>EXPENSES</b>	
Affiliate Dues	\$ 250.00	HPS Pres Elect Visit	\$ 226.48
TOTAL Dues	\$ 730.00	TOTAL Science Teacher Award	\$ 503.58
2014	\$ 90.00	<i>Science Teacher Award</i>	\$ 500.00
2015	\$ 540.00	<i>Postage</i>	\$ 3.58
2016	\$ 90.00	Science Teacher Meeting	\$ 66.00
2017	\$ 10.00	Speaker Gifts	\$ 606.00
Interest	\$ 14.90	Wissink Speaker	\$ 21.47
Madison Meeting	\$ 1,311.46	Stipend to Lakeshore Tech Coll.	\$ 1,000.00
<b>General INCOME</b>	<b>\$ 2,306.36</b>	<b>General EXPENSES</b>	<b>\$ 2,423.53</b>

<b>Meeting Income</b>		<b>Meeting Expenses</b>	
Affiliate	\$ 450.00	Executive Council Room	\$ 50.00
Donation	\$ 15.00	Facility	\$ 423.16
Registration	\$ 580.00	Food	\$ 886.59
<b>Fall Meeting INCOME</b>	<b>\$ 1,045.00</b>	<b>Fall Meeting EXPENSES</b>	<b>\$ 1,359.75</b>
		Fall Meeting NET (Actual)	\$ (314.75)

Affiliate	\$ 550.00	Executive Council Room	\$ 75.00
Registration	\$ 540.00	Facility	\$ 225.50
<i>Registration Due</i>	\$ 270.00	Food	\$ 926.50
<b>Spring Meeting INCOME</b>	<b>\$ 1,090.00</b>	<b>Spring Meeting EXPENSES - estimated</b>	<b>\$ 1,227.00</b>
		Spring Meeting NET - estimated	\$ 133.00

<b>TOTAL INCOME (Actual)</b>	<b>\$ 4,441.36</b>	<b>TOTAL EXPENSES (Actual)</b>	<b>\$ 3,783.28</b>
		Fiscal Year NET (Actual)	\$ 658.08

**North Central Chapter of the Health Physics Society**  
 Secretary/Treasurer's Report - Amended  
 16 May 2015

**NCCHPS Financial Report Fiscal Year to Date**

1 July 2014 - 16 May 2015

<b>INCOME</b>	<b>EXPENSES</b>
Affiliate Dues \$ 250.00	HPS Pres Elect Visit \$ 226.48
TOTAL Dues \$ 880.00	TOTAL Science Teacher Award \$ 503.58
2014 \$ 100.00	Science Teacher Award \$ 500.00
2015 \$ 670.00	Postage \$ 3.58
2016 \$ 100.00	Science Teacher Meeting \$ 66.00
2017 \$ 10.00	Speaker Gifts \$ 606.00
Interest \$ 16.58	Wissink Speaker \$ 21.47
Madison Meeting \$ 1,311.46	Stipend to Lakeshore Tech Coll. \$ 1,000.00
<b>General INCOME \$ 2,458.04</b>	<b>General EXPENSES \$ 2,423.53</b>

<b>Meeting Income</b>	<b>Meeting Expenses</b>
Fall Affiliate \$ 450.00	Fall Executive Council Room \$ 50.00
Fall Donation \$ 15.00	Fall Facility \$ 423.16
Fall Registration \$ 580.00	Fall Food \$ 886.59
<b>Fall Meeting INCOME \$ 1,045.00</b>	<b>Fall Meeting EXPENSES \$ 1,359.75</b>

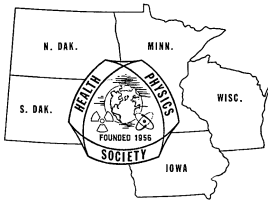
Fall Meeting NET (Actual) \$ (314.75)

Spring Affiliate \$ 550.00	Spring Executive Council Room \$ 90.75
Spring Registration \$ 780.00	Spring Facility \$ 523.25
	Spring Food \$ 1,078.70
<b>Spring Meeting INCOME \$ 1,330.00</b>	<b>Spring Meeting EXPENSES (Actual) \$ 1,692.70</b>

Spring Meeting NET (Actual) \$ (362.70)

<b>TOTAL INCOME (Actual) \$ 4,833.04</b>	<b>TOTAL EXPENSES (Actual) \$ 5,475.98</b>
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Fiscal Year NET (Actual) \$ (642.94)



## North Central Chapter

### Affiliate Member Report April 10, 2015 Spring Technical Meeting

Chris Kessler, Affiliate Coordinator

The North Central Chapter of the Health Physics Society (NCCHPS) has 10 active affiliate members for calendar year 2015 to date generating \$225 in annual affiliate dues. A list of the current affiliates is at the bottom of this report. The NCCHPS web site reflects the current affiliate members.

Solicitation of affiliate member support for the spring 2015 technical meeting began in January. E-mail contacts of all likely affiliate member exhibitors or sponsors were made. Follow-up telephone calls were made, as necessary, to members that did not respond to the e-mail solicitation.

Four affiliate members agreed to exhibit or sponsor the meeting:

- Landauer, Inc. (Eric Annis) – Exhibitor
- Canberra Industries (Andy McLain) – Exhibitor
- DEQ Technical Sales (Jeff Anspaugh) – Exhibitor
- K & S Associates, Inc. (Peter Gordon) – Sponsor

A total of \$550 in exhibition/sponsor fees has been collected to defray the cost of the spring 2015 meeting.

#### **2015 Affiliates**

##### **Company**

Arrow-Tech, Inc.  
Canberra Industries  
DEQ Technical Sales (Ludlum Rep)  
F&J Specialty Products, Inc.  
HI-Q Environmental Company, Inc.  
K & S Associates, Inc.  
Landauer, Inc.  
Mirion Technologies (Dosimetry Services)  
S&G Enterprises, Inc.  
Scientific Instrument Sales

##### **Contact**

Perry LaFountain  
Andy McLain  
Jeff Anspaugh  
Frank Gavila  
Marc Held  
Peter Gordon  
Eric Annis  
Tom Chwierut  
Mark Griffith  
Richard Love

North Central Chapter of the Health Physics Society  
Report to the Executive Council  
April 2015

Submitted by Mike Lewandowski

*Web Site*

The web site was updated with draft 2014 Fall Council and Business Meeting minutes and the results of the 2014 election.

*Radiation Instrument Kit*

A brochure describing the instrument kit was prepared by Shari Mask. The brochure will be posted on the web site.

The kit was used by Century HS in Rochester, MN, Chapter member Brian Hinderliter since the fall meeting. The Chapter was contacted by Chapter member Rob McTaggart about using the kit at a workshop in the summer.

The Council should be aware that the minigenerator in the HPS kit failed resulting in the kit leaking detectable quantities of Cs-137. The minigenerator used in the HPS kit is the same as the one in the Chapter kit. The minigenerator in the Chapter kit appears to be sound, but the Council should be aware of the possibility of a sudden failure at a school.

*Nuclear and Radiation Science Grant*

No applications were received.

*Science Teacher Meetings*

No science teacher meetings were attended.

*Science Teacher Workshops*

No workshops were offered.

*Science Teacher Award*

No award nominations were received.



## Radiation Instrument Kit



### Contents of the Kit

The Radiation Instrument Kit provides the materials and equipment for students to conduct several data collection and radiation principle experiments. The kit contains a classroom set of 6 digital Vernier Radiation Monitors with LabPro interfaces, a copy of Vernier Logger Pro software, a copy of Nuclear Radiation with computers lab manual, and 6 each beta and gamma radiation sources. Shielding materials and a mini-generator for a half-life experiment are also included.

The kit is available for classroom use for periods of up to one week at a time.

## North Central Chapter, Health Physics Society

**Mike Lewandowski**  
**Corporate Health Physics**  
**3M Center, Bldg 220-6W-08**  
**St. Paul, MN 55144**  
**Phone: 651-737-4452**  
[NorthCentralHPS@gmail.com](mailto:NorthCentralHPS@gmail.com)

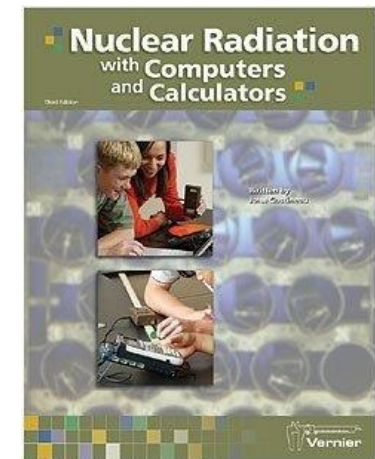


# NCCHPS

*North Central Chapter, Health Physics Society*

## Radiation Instrument Kit

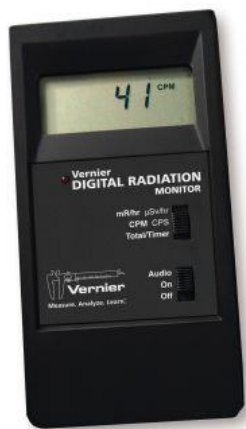
*Hands on educational aid in basic nuclear science for Physics and Science Teachers*



**Specialists in  
Radiation Safety**

**Phone: 651-737-4452**

## Radiation Detection



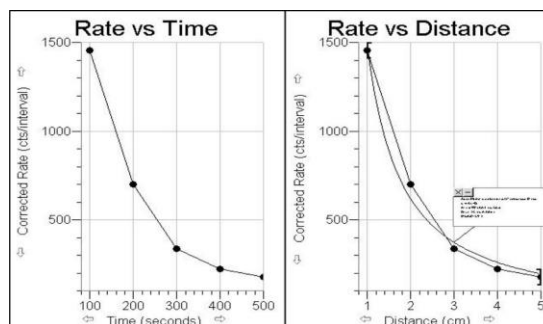
Geiger-Mueller (GM) Tube  
Radiation Monitor

### Radiation Monitor

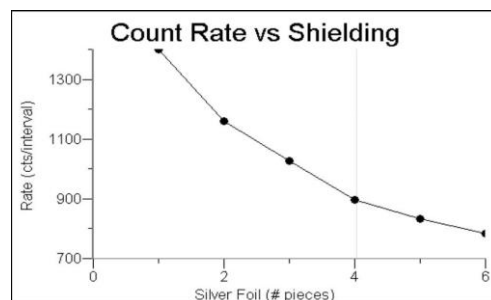
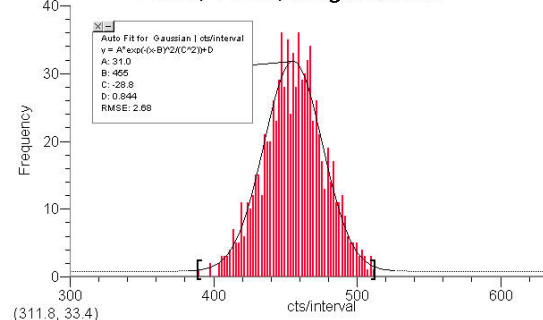
The Vernier Digital Radiation Monitor utilizes a fully enclosed Geiger-Mueller tube to detect alpha, beta, and gamma radiation. Alpha and beta radiations are measured in counts per minute (CPM). Gamma radiation measurement is displayed in milli-Roentgens per hour (mR/h).

The radiation monitor can be used with either a computer or graphing calculator.

### Data Analysis



### 14 Hr, 1 min, Single Mantle



### Classroom Applications

The curricular material contains six experiments written for use with the kit as well as a CD containing the word processing files for each of the student experiments.

Data collection, analysis, and experiments include counting statistics, background radiation quantification, radioactive material identification, effects of time, distance, and shielding, and differentiation between alpha, beta, and gamma radiation.

*To request the kit online -*

*Log on to the NCCHPS website:  
<http://hps1.org/chapters/ncc/>*

*Click on "Radiation Instrument Kit"*

*Check availability of desired dates on  
calendar*

*Complete the reservation form and  
submit electronically*