

# American Academy of Health Physics

## American Board of Health Physics

Dear Colleagues,

The American Board of Health Physics has begun its thirty-first year of business this spring. Each year we welcome new Board members. We elect new officers. We appoint new panel members. We work to cope with new or recurring problems such as financial stability or exam questions quality. Yet, as the old saying goes, the more things change, the more they stay the same.

As Frazier Bronson pointed out last year, the basic function of the Board and the fundamental processes for obtaining certification have remained essentially unchanged through the years. Those changes which have occurred have been implemented gradually after careful study and consideration. A recent study showed the Board's procedures and policies to be consistent with other credentialing groups. This remarkable stability is, I believe, a result of careful thought by the initial Boards and continued diligence by subsequent Boards. And none of this could have happened without a great deal of hard work by everyone.

Which brings me to the point of this note. All CHPs will soon receive a maintenance fee notice which will offer each of you an opportunity to indicate a willingness to participate in the many Academy and Board activities. Please give careful thought before volunteering. Joe Bevelacqua recently noted in the HPS Newsletter that Comprehensive Panel members should be prepared to spend 100 hours per year on Panel duties. Way to go, Joe! That should put a damper on things. Unfortunately, he is right. If you volunteer, be prepared to contribute. When you contribute, all you will get is thanks from some of us. If you can't contribute, if you are too busy with other things, we understand.

Catch you later.

Lee Booth  
Chair, ABHP

## RESULTS OF THE 1989 ABHP CERTIFICATION EXAMINATION

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The American Board of Health Physics is pleased to announce that the following individuals have successfully met the requirements of the Board and are designated as Certified Health Physicists. Congratulations!

Richard A. Allen, Comprehensive  
Alex J. Boerner, Comprehensive  
Michael J. Bovino, Comprehensive  
Elizabeth M. Brackett, Comprehensive  
Shih-Yew Chen, Comprehensive  
Terry L. Cooper, Power Reactor  
David C. DiCello, Comprehensive  
Fred L. Duncan, Comprehensive  
David N. Fauver, Comprehensive  
Mitchell S. Galanek, Comprehensive  
Gregory M. Gowdy, Comprehensive  
Steven W. Green, Comprehensive  
Roger L. Halsey, Comprehensive  
Eileen Hotte, Comprehensive  
Calvin J. Huntzinger, Comprehensive  
Nisy E. Ipe, Comprehensive  
Roman Kahn, Comprehensive  
Susan R. Landahl, Comprehensive  
Elizabeth A. Langille, Power Reactor  
Thomas R. LaVoy, Comprehensive  
Edward Lazo, Comprehensive  
Mark M. Lewis, Power Reactor  
Michael Matheny, Comprehensive  
David A. McLaughlin, Comprehensive  
Frederic J. Mis, Power Reactor  
Michael C. Nichols, Comprehensive  
Arthur J. Palmer, Comprehensive  
William G. Phillips, Comprehensive  
Joseph F. Poliziani, Comprehensive  
Kathryn M. Pryor, Comprehensive  
Joel L. Rabovsky, Comprehensive  
John E. Razor, Comprehensive  
Eugene T. Reimer, Comprehensive  
Charles F. Reindl, Comprehensive  
Joseph P. Ring, Comprehensive  
James S. Sample, Comprehensive  
R. Scott Schofield, Power Reactor  
Douglas Schult, Power Reactor  
Kathleen L. Shingleton, Comprehensive  
Gregory D. Smith, Comprehensive  
John A. Solini, Comprehensive  
Glen M. Sturchio, Comprehensive  
Adam S. Weaver, Comprehensive  
Joseph M. Zlotnicki, Comprehensive

In addition, the Board is pleased to announce that the following individuals have passed Part I of the Certification Examination.

Douglas L. Allen  
Brian L. Baumann  
Elizabeth A. Bogue  
Barry H. Brosey  
Charles E. Coleman  
Eric G. Daxon  
William W. DeForest  
Richard P. Farrell  
Stacey A. Ferguson  
Brian M. Fisher  
Lynne Geary  
Donald L. Haes  
Nancy L. Harris  
Richard B. Holtzman  
Eileen Hotte  
Tsz-Yik Hui  
Calvin J. Huntzinger  
William R. James  
Craig E. Jensen  
Paul Henry Jones  
Mary M. Kenny  
Brajesh K. Kothari  
David J. Krueger  
Michael J. Lambert  
Edward Lazo  
Robert T. May

Kimberly L. McMahan  
Mitzi G. Miller  
Robert T. Mulvihill  
Charles D. Nesbitt  
E. Karl Neuschaefer  
Harry J. Newman  
Nora A. Nicholson  
M. Frank Petelka  
William G. Phillips  
Catherine L. Pugh  
Barbara L. Reider  
John Robert Russell  
Mark R. Salasky  
R. Scott Schofield  
David C. Smith  
Ronald J. Smith  
Michael J. Stein  
Joan E. Stovall  
Joseph M. Takahashi  
John G. Tirpak  
Elizabeth Ullrich  
David L. Wannigman  
Jeffrey J. Whicker  
Chuan-Fu Wu  
Terry T. Yoshizumi  
Joseph M. Zlotnicki

#### HIGHLIGHTS OF ABHP FALL MEETING

The Board held its annual Fall meeting in Washington, D. C. on October 20th and 21st, 1989. All Board Members, Panel Officers and the Secretariat were present. The principal items of business during this meeting included review of the reports of the Panel Chairs, approval of the examination grading results and granting of certification to successful candidates. Results for the 33rd ABHP Certification Examination were:

Part I	52	out of 113	passed the exam	46%
Part II Comprehensive	36	out of 69	passed the exam	52%
Part II Power Reactor	6	out of 15	passed the exam	40%

In addition, two candidates were granted certification after special review. A total of 44 individuals were granted Certification.

A number of comments and suggestions from Academy CHPs and candidates were considered during the grading process. The Board discussed methods of insuring that proper QC procedures were in place for the exam, including a suggestion from the Panel Chair to assign a Board (or AAHP Executive Committee) member "ownership" of a single question and responsibility to assure its final form is error free. The Board is

also reviewing a proposal by C. Distenfeld which would extend this ownership well into the panel question preparation stage and involve the Board at a much earlier stage in the process.

The Panel Chair also discussed with the Board the need to insure the same type QC among graders of Part II questions. Part of Distenfeld's proposal addresses grading, and would carry over the concept of Board (or Academy) members assuming responsibility for individual questions with respect to heading up, and coordinating, grading teams.

The Board reviewed a report from its testing consultant, CEA, concerning establishing a passing point for Part II of the exam. They pointed out the obvious, that a new form of Part II is given each year, and that candidates may select different items from each exam. They suggest a passing score be established for each possible combination of questions, using the Angoff method. The Board is continuing this study, and has implemented a procedure whereby individuals reviewing potential exam questions are asked to predict the score the "minimally qualified candidate" would achieve on each question (first step in the Angoff process).

The time allocated for Part II of the exam was extended to 5 hours. The board felt this extra hour would further reduce the time factor for Part II, and could be accommodated without seriously disrupting schedules or extending the exam into a second day.

A draft document delineating major policy elements requiring AAHP Executive Committee approval was prepared by an AAHP/ABHP ad hoc committee and submitted for review.

The Board reversed an earlier decision to publish well scored candidates answers to Part II questions, since suggested solutions are already being published in the Newsletter, and are in better form and format than candidate's answers.

The Board discussed the mechanism for the Board/Academy to present the McAdams award at the HPS Annual Meeting.

Replacements for 1990 outgoing Board members R. Bowers and K. Miller were suggested. Areas of expertise which need to be replaced or reinforced are power reactors, medical, and biological effects. The Board's recommendations were forwarded to the AAHP Nominating Committee.

Additionally, the Board reviewed the January meeting of the Panel of Examiners, past problems with exams and the schedule for the coming year.

#### **NEW MAINTENANCE FEE BILLING SCHEDULE**

In order to administer the recertification program in a more efficient manner, the American Board of Health Physics will change its maintenance fee billing from October to April. The new billing cycle is designed to correspond with the mailing of the certification renewal packages. By moving the billing period to April, the timely payment of the

maintenance fee will ensure that renewal applications will not be delayed due to incomplete maintenance fees.

In the past, the renewal applications have been mailed to diplomates in April. Many diplomates have returned their applications within 30 days only to find that the maintenance fee for their four-year recertification period is not complete. This was due to the ABHP policy of billing maintenance fees in October of each year.

In April or early May, you will be receiving a maintenance fee envelope very much like the one you received in October 1989. We hope that this year's shorter billing period will not inconvenience you. In the future, all maintenance fees will be billed in April.

#### **REPORT FOR 1989 FROM THE PAST PRESIDENT OF THE AAHP - OTTO RAABE**

During 1989 there were several important accomplishments and advances of the American Academy of Health Physics (AAHP). Ruth McBurney and Paul Ziemer were appointed to serve on the American Board of Health Physics (ABHP). New officers for the AAHP were elected including President-Elect John Auxier, Secretary Tom Crites, and Director Les Slaback. Besides supporting the testing and recertification activities of the American Board of Health Physics, the Academy is continuing to make progress in the planned goal of developing the prestige and recognition associated with the profession of health physics as a whole and board certification in particular. One of the most significant actions involved a major revision of the AAHP by-laws clarifying many aspects of the AAHP activities and organization and establishing a permanent Professional Development Committee and a new class of Associate Membership open to health physicists who successfully complete one part of the ABHP certification exam. The vote on all parts of the by-law revision was overwhelmingly in favor of these changes, and the establishment of Associate Membership was approved 292 in favor to 101 against.

After successful completion of one part of the ABHP certification exam, a health physicist can now become an Associate Member of the American Academy of Health Physics subject to proper application and payment of annual dues of \$10. Although Associate Members cannot vote or hold Academy office, there will be special benefits of Associate Membership. Besides the prestige of Associate Membership, special programs will be developed for this class of member for professional development, and also for encouragement and assistance toward the goal of ABHP Certification.

The Professional Development Committee, operating as a special committee in 1988 and 1989 under the leadership of Jerry Martin of Battelle Pacific Northwest Laboratory, has had many accomplishments and was responsible for development of the recommendation for establishing Associate Membership, following the request made by George Vargo at the Annual Meeting in Boston in 1988. In addition, this committee was able to assist in the updating of the brochures entitled "Certified Health Physicist" and "Prospectus of the American Board of Health Physics," by expanding the discussion on continuing education and recertification.



They evaluated and helped to improve the AAHP database maintained by the Secretariat and assisted in clarification of the Emeritus Member status. They investigated the feasibility and need to copyright the names or acronyms of the CHP, AAHP, ABHP, and/or the AAHP logo. They also initiated an inquiry of the AMA of the standards used for a qualified expert in Medical Health Physics.

In order to clarify in a concise fashion the working of the American Board of Health Physics and the Testing and Certification program, the ABHP and AAHP are working together to prepare a new document entitled "Major Policies and Important Procedures of the American Board of Health Physics." This new document should soon be available for review. A revised Continuing Education Credit System was developed by the Continuing Education Committee headed by Bob Heublein and approved by the AAHP Executive Committee. Also new in 1989 was the establishment of a special technical session at the annual meeting especially for Certified Health Physicists. This was a great success and will be a continuing tradition.

The need for an appropriate AAHP logo has been discussed at several meetings of the AAHP Executive Committee, but we need help with ideas for this logo. We encourage anyone who has ideas for an AAHP logo to submit them to our current President, Keith Schiager or to Kristi Jacobs at the Secretariat. These can be sketches or computer graphics or just ideas, and need not be finalized or perfect drawings. We will appreciate any submissions.

At the last meeting of the Executive Committee of the Academy at Atlantic City in February, Keith Schiager took over as AAHP President. I thank the members of the Academy for giving me the opportunity to serve as President in 1989. I thank the other members of the 1989 Executive Committee including President-Elect Keith Schiager, Past-President John Horan, ABHP Chair Frazier Bronson, Treasurer Nancy Kirner, Directors George Holeman, David Myers, Joyce Davis, and Richard Fry, and also the Executive Secretary help of Richard Burk and Kristi Jacobs. I also thank all the AAHP committee members and their chairs: Don Busick (Appeals), Bob Heublein (Continuing Education), Bob Van Wyck (Exam Site), Joyce Davis (Finance), LaMar Johnson (Nominating), Jerry Martin (Professional Development), and Charles Meinhold (Standards and Ethics). I believe that the Academy is progressing to meet its goals and that the strength and influence of the AAHP will continue to grow.

#### **THE ADVANTAGES OF MEMBERSHIP IN THE AMERICAN OF HEALTH PHYSICS**

**By: John A. Auxier**

The advantages of membership in the Academy cannot be separated easily from the advantages of being a Certified Health Physicist. All Certified Health Physicists are automatically eligible for membership in the Academy, but the most significant of all credentials and memberships is to be a Certified Health Physicist. It is this special status that is enhanced and served by the Academy.

There are certain well defined and objective roles of the Academy and its members. In the preamble to the bylaws we find, "The primary

purpose of the Academy is to establish an organization which permits the direct input of CHPs into the selection of the Board Members and the ongoing programs of the Board." In context, this refers to the ABHP and, thus to the whole Certification process. In the Bylaws is given the purpose of the Academy, with six specifics which relate to a member's opportunity to participate in the Certification Program, i.e., the advancement of the profession, high standards of ethics, etc. All of this is laudable.

However, it is my view that the intangibles are as important as these but more difficult to describe. To accomplish a description of an intangible, one can refer to tangible benefits. These include higher salaries, readily apparent professional status, quicker or more frequent appointments to committees and councils, etc., as compared to other Health Physicists, everything else being equal. Certification does not mean, necessarily, that you know more about Health Physics than the Health Physicist with the same degrees and experience as you, but you do have signed and sealed proof that you are a true professional; your non-Certified peers, for whatever reason, have not demonstrated this interest and/or ability.

The AAHP provides the only fraternity dedicated to furthering the Health Physics profession through the participation of the technical and scientific leaders of the profession. The AAHP is a true academy which belongs to its members and can be used by those members to further develop and enhance their careers. This is important only to the best trained and most ambitious professionals in our field. So, be the best that you can be, participate in the Academy.

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*   Because of the difficulty of meeting the necessary expense of
*   the certification program, and because the Academy is oper-
*   ating with a deficit budget of several thousand dollars, the
*   Executive Committee is planning to increase the maintenance
*   to $50 per year. Before we take a final vote at the June
*   meeting, we welcome comments from members.
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THE PREAMBLE AND BYLAWS  
of  
THE AMERICAN ACADEMY OF HEALTH PHYSICS

Preamble

Shortly after its organization, the Health Physics Society established a Committee to study the need for certification of health physicists and to develop plans for certification if this appeared to be desirable. After an intensive study, the Committee recommended that an American Board of Health Physics (ABHP) be established to develop standards and procedures, to examine candidates, and to issue written proof of certification to individuals who have satisfied the requirements established by the ABHP. The Board of Directors of the Society decided that these recommendations had merit and appointed a temporary ABHP on November 8, 1958.

The temporary ABHP developed a set of minimum requirements for certification after carefully reviewing the professional background of 100 selected individuals believed to be representative of those recognized as competent health physicists, and submitted them to the membership of the Society for comment. At the Annual Meeting of the Society in June 1959, the latter was discussed in an open meeting and there was general support for the plan. The Board of Directors of the Society formally established the ABHP by approving an amendment to the Bylaws of the Society on October 29, 1959. The ABHP was incorporated in the State of New York in December, 1960.

During the twenty-five year history of the ABHP the Certification Program has been evolving. In 1977 a continuing Certification Program was initiated. A year later a specialty certification for Power Reactor Health Physics was developed. By 1981 the program had grown to the point that an Executive Secretary was hired to carry out the day-to-day efforts and to maintain the permanent records. The total number of Certified Health Physicists (CHP) has grown to more than 500 people and several hundred people have been applying yearly to take the exams of the ABHP.

The size and maturity of the certification program has prompted the ABHP to urge a further step in this evolving process. In response to the ABHP's belief that the growing body of CHPs should have more input and participation in the Certification Program, efforts were initiated in 1982 to create an American Academy of Health Physics. The primary purpose of the Academy is to establish an organization which permits the direct input of CHPs into the selection of board members, and to the ongoing programs of the Board. The Academy is not intended to serve as a lobbying organization for CHPs or to duplicate the activities of the Health Physics Society.

To encourage participation in the certification program and recognize that the attainment of Certification is a process of professional development, the Academy has established an Associate Member category to recognize those professionals who have successfully completed one part of the Certification examination. This category of membership recognizes a significant accomplishment in the professional development of health physicists.

Definitions

**American Academy of Health Physics (AAHP)** - An organization established to encourage the development and growth of the professional practice of health physics and to support the activities of the ABHP.

**American Board of Health Physics (ABHP)** - An independent Board established in 1960 which has the responsibility for defining and carrying out the certification and certification renewal programs for professional health physicists. The AAHP appoints the members to the Board and provides funding for its activities.

**Certified Health Physicists (CHP)** - A person who has completed certain specified requirements of study and professional experience and has passed an examination designed to test competence in the fields. These requirements and examination are established and administered by the ABHP. Holders of this certification may also identify themselves as Diplomates of the American Board of Health Physics or as Board-Certified Health Physicists.

**Active Certified Health Physicist** - A CHP must renew certification every our years by demonstrating substantial and current practice in professional level health physics and by earning a sufficient number of continuing education credits from approved activities as established by the American Board of Health Physics.

**Inactive Certified Health Physicist** - A CHP who does not renew his/her certification is considered by the ABHP to be an inactive certified health physicist.

**Certified Health Physicist, Emeritus** - A Certified Health Physicist who has been granted Emeritus status by the American Board of Health Physics.

**Member of the Academy** - An active CHP or CHP emeritus who has met all the financial obligations defined by the Executive Committee of the Academy becomes a member of the Academy.

**Associate Member of the Academy** - Individuals who have successfully completed one part of the ABHP certification exam will be granted associate membership in the Academy. This associate membership may extend for the period of time, as established by the ABHP, during which the certification process must be completed. The purposes of the associate membership in the Academy are to recognize completion of the first step of the certification process and to encourage continuance toward full certification.

**Annual Meeting** - The annual business meeting of the AAHP and the AAHP Executive Committee, held in conjunction with the Annual Meeting of the Health Physics Society, usually in June or July of each year.

**Winter Meeting** - The meeting of the Executive Committee held closest to January 1 each year, usually in December, January, or February.

BYLAWS OF THE AMERICAN ACADEMY OF HEALTH PHYSICS

I. NAME

The name of the corporation is: American Academy of Health Physics, which may be referred in abbreviated form as the AAHP and hereinafter is referred to as the Academy.

II. PURPOSE

The purpose of the Academy is:

-To provide an effective means for active CHPs to participate in and contribute to the Certification Program.

-To elevate and advance the profession of health physics by encouraging its study and improving its practice.

-To encourage and insist on the highest standards of professional ethics and integrity in the practice of health physics.

-To enhance communication between CHPs in those matters of common interest.

-To support the activities of the ABHP in the conduct of the certification and certification renewal process.

-To provide input of Certified Health Physicists (CHPs) into the selection of members of the ABHP.

III. MEMBERSHIP

A. Plenary membership in the Academy is limited to active and emeritus CHPs, called Members.

B. A CHP becomes a member of the Academy upon payment of all dues and fees established by the Executive Committee of the Academy. Each member is entitled to:

1. one vote on all matters brought before the Academy
2. to identification as a member of the Academy
3. to all other rights, privileges and benefits of the Academy.

C. Emeritus members are Certified Health Physicists who have been granted emeritus status by the ABHP.

D. A CHP who does not fulfill the requirements for certification renewal is classified as an inactive diplomate of the ABHP and will be dropped from the lists of active CHPs and from membership in the Academy. Active memberships may be reinstated upon satisfying the requirements of the ABHP.

E. A Member or Associate Member of the Academy whose dues or fees are unpaid at the end of the calendar year shall be notified thereof by the Secretary. Notification shall be by mail to the member's last known address. Unless all dues and fees are paid within thirty (30) calendar days after mailing such notice, his or her name shall be removed from the Academy roster. He or she may be reinstated by the Executive Committee upon payment of all dues and fees owed.



- F. An active CHP who does not wish to be a member of the Academy must still pay all certification renewal fees in order to retain the status of active CHPs. Fees collected shall be applied to the certification and certification renewal process.
- G. Associate membership in the Academy is available to those individuals who have successfully completed one part of the certification examination for the period of time, as established by the ABHP, during which the certification process must be completed. Associate Members of the Academy may: (a) identify themselves as Associate Members of the Academy, and (b) pay dues. Except as otherwise authorized by the Executive Committee, Associate Members may not hold office on the Executive Committee, serve on Academy Committees, nor vote on matters brought before the Academy.

#### IV. EXECUTIVE COMMITTEE

- A. The Executive Committee is the governing body of the Academy and as such shall establish all dues and fees and exercise control over all funds, properties, activities, and policies of the Academy in accordance with the ARTICLES OF INCORPORATION and BYLAWS of the Academy.
- B. The Executive Committee, when fully constituted, consists of nine elected members and one Ex-Officio member as follows:
  - 1. the President,
  - 2. the President-Elect,
  - 3. the most recent Past-President,
  - 4. the Treasurer,
  - 5. the Secretary,
  - 6. either the Past-Secretary or Past-Treasurer for one year following their two year term of office,
  - 7. three Directors
  - 8. the Chairperson of the ABHP (Ex-Officio).
- C. All members of the Executive Committee, with the exception of the ABHP Chairperson, are elected by and from the members of the Academy and serve until their successors are chosen and take office.
  - 1. The President-Elect serves for a term of one year then advances to the office of President for a one year term.
  - 2. The Secretary and the Treasurer serve a term of two years each; their tenures of office shall not run concurrently.
  - 3. The directors serve a three year term; the terms are staggered to allow one vacancy yearly.
  - 4. The ABHP Chairperson is selected by the ABHP and serves on the Executive Committee throughout his/her term.
- D. The terms of the newly elected officers and directors begin at the Winter Meeting following their election to office, or on January 1 if no Winter Meeting is scheduled.
- E. A vacancy occurs on the Executive Committee when a member
  - 1. resigns from office
  - 2. accepts another office or position on the Executive Committee
  - 3. ceases to be a member of the Academy or
  - 4. cannot discharge the obligations of the office because of death or other circumstances.
- F. In the event of a vacancy on the Executive Committee other than one which involves the President or the President-Elect, the then seated members of the Executive Committee by a majority vote may make an appointment to fill the unexpired term.
- G. If the office of the President becomes vacant, the President-Elect assumes the duties of the President but retains the title of the President-Elect until ascending to the presidency in due course. (In such a case the office of President remains vacant until filled by the President-Elect.)
- H. If the office of the President-Elect becomes vacant and a successor has been chosen or is in the process of being chosen under regular election procedures, the duly elected successor to the President-Elect shall take office immediately without the requirement of installation and ascends to the office of President in due course. In all cases the office of President-Elect shall be filled by a vote of the membership under the regular election procedure. If necessary, the Executive Committee may call a special election for this purpose.
- I. No person may hold an office or directorship for two consecutive terms unless the initial term was an appointment to fill out the unexpired term of an elected person.
- J. At the time of the formation of the Academy, a transition Executive Committee will be developed in accordance with a procedure approved by the proposed membership of the Academy.
- K. Each Executive Committee member is expected to devote sufficient time to AAHP activities. Failure to attend two (2) consecutive meetings of the Executive Committee is ordinarily grounds for removal from office by vote of the Executive Committee unless extraordinary circumstances can be demonstrated.

#### V. OFFICERS

- A. The President is the principal administrative officer of the Academy. The duties of the President are:
  - 1. to preside over all meetings of the Academy
  - 2. to serve as the Chairperson of the Executive Committee
  - 3. to coordinate all activities which come under the auspices of the Academy.
- B. The President-Elect shall perform such duties as delegated by the President and, in the absence of the President, shall assume the duties of the President.
- C. The Treasurer is responsible for the proper accounting of all monies and properties of the Academy. The Treasurer may be assisted by the Executive Secretary as authorized by the Executive Committee. The duties of the Treasurer are:
  - 1. to serve as a member of the Finance Committee
  - 2. to submit the financial records of the Academy and the ABHP to the Executive Committee annually
  - 3. to submit an annual report on the financial status of the Academy and the ABHP to the membership at the Annual Meeting of the Academy
  - 4. to bill and collect all funds due the Academy and the ABHP
  - 5. to pay all obligations of the Academy and the ABHP
  - 6. to assure administration of Academy funds in accordance with the approved budget
  - 7. to transmit to the successor all funds and properties of the Academy under his/her control.
- D. The Secretary is responsible for maintaining the official records of the Academy. The Secretary may be assisted by the Executive Secretary as authorized by the Executive Committee. The duties of the Secretary are:
  - 1. to keep a record of the proceedings of all meetings of the Academy and Executive Committee
  - 2. to maintain in the permanent files of the Academy such records as may be necessary for the orderly conduct of the affairs of the Academy
  - 3. to maintain and publish annually a list of all members of the Academy
  - 4. to publish a newsletter periodically reporting the activities of the Academy and the ABHP
  - 5. to post all ballots and associated information used in the polling of the membership.
- E. The Executive Committee may retain an Executive Secretary to carry out the day-to-day responsibilities of the Academy and to assist the officers with their duties. The Executive Secretary conducts these responsibilities as authorized by the Executive Committee pursuant to the terms of a written contract. The written contract is reviewed by the Executive Committee at least annually. The duration of the contract as negotiated by a particular Executive Committee shall not extend through more than three years. The contract may be renewed without regard to the number of prior terms held by a particular Executive Secretary.

#### VI. AMERICAN BOARD OF HEALTH PHYSICS (ABHP)

- A. The ABHP has the responsibility to determine that applicants for certification and certification renewal meet the professional standards established for the title of CHP. The ABHP Bylaws and the major policies and procedures used by the Board as described in a document "Major Policies and Important Procedures of the American Board of Health Physics" are subject to the concurrence of the Executive Committee of the American Academy of Health Physics.
- B. The ABHP in carrying out its responsibilities is independent of any other body except that an individual who has been denied certification or certification renewal may request a review of that decision by the Appeals Committee established by the Academy. The role of the Appeals Committee is to determine that the procedures of the Board have been carried out fairly.
- C. The Executive Committee shall maintain the ABHP through the appointment of Board members and the provision of operating funds.
- D. Members of the ABHP serve five year terms and are appointed by the President of the Academy, subject to the approval of the Executive Committee.
- E. Except for the Chairperson of the ABHP, a member of the Academy may not simultaneously hold positions on both the Executive Committee and the ABHP.

## II. COMMITTEES

- A. The Executive Committee shall establish
  1. a Finance Committee
  2. a Continuing Education Committee
  3. a Nominating Committee
  4. an Exam Site Committee
  5. a Professional Standards and Ethics Committee
  6. an Appeals Committee
  7. a Professional Development Committee
  8. such other committees and administrative posts as may be required for the efficient administration of Academy affairs.
- B. The members of committees are recommended by the President and approved by the Executive Committee.
- C. The term of a committee appointment is three years. Additional terms may be allowed following review by the Executive Committee. Committee Chairpersons are appointed for a one year term each but may succeed themselves in office. The rules of this subsection (C) apply to all committees except the Finance Committee, which is addressed in Section H, below.
- D. With the exception of the recommendations of the Nominations Committee for Executive Committee vacancies, all recommendations of Committees are subject to the review and approval of the Executive Committee.
- E. The Nominating Committee consists of nine members of the Academy. No current member of the Executive Committee or ABHP shall be a member of the Nominating Committee. All recommendations of the Committee are reached by a majority of the total membership of the Committee.
- F. The Nominating Committee shall
  1. select two nominees for each elective office to be filled giving due consideration to assure broad representation on the Executive Committee
  2. affirm that the nominee is
    - i. eligible to hold the office
    - ii. will accept the nomination
    - iii. will serve if elected
  3. submit to the Executive Committee a list of the nominees no later than the Winter Meeting (or January 1 if no Winter Meeting is scheduled) one year prior to the proposed beginning of the term of office.
- G. The Nominating Committee shall also assist the Executive Committee in the selection of candidates for vacancies on the ABHP. The Nominating Committee shall determine through consultation with the current ABHP any particular expertise and background that may be important for the new ABHP member to possess and shall seek recommendations from the ABHP. In addition, the Nominating Committee shall consult with the Health Physics Society, the American Association of Physicists in Medicine and other organizations having interest in these matters for their input and nominations in the selection process. (Although no fixed number of such appointments are required, it is desirable to have some positions on the ABHP selected from nominations by the scientific societies.) The Nominating Committee shall also seek expressions of interest from members of the Academy for all vacancies that occur. After completing the survey of the Academy membership, the ABHP, and the scientific societies, the Nominating Committee shall present its list of potential candidates, with an indication of their willingness to serve, to the Executive Committee at least 30 days prior to the Annual Meeting of the Academy.
- H. The Finance Committee consists of three members:
  1. One of the members is the Treasurer.
  2. The second member is, in alternate years, the immediate Past-Secretary or the immediate Past-Treasurer.
  3. The third member is a member designated by the ABHP Chairman.
  4. The Chairperson shall be the Past-Treasurer or the Treasurer in the second year of his/her term of office.
  5. The Finance Committee shall establish the budget cycle and a proposed budget for each year's operation of the Academy. It shall include the budget submission received from the ABHP.
  6. The Finance Committee shall submit its proposed budget to the Executive Committee forty-five (45) days prior to the Annual Meeting of the Academy.
- I. The Continuing Education Committee consists of six members of the Academy. The Committee shall endeavor to identify developments in the field of health physics which certified health physicists should be knowledgeable of and shall encourage technical programs discussing these developments. The Committee is responsible to establish the criteria for the awarding of continuing education credits in the certification renewal program and to evaluate and award credits to

programs submitted to them. The Committee shall provide an annual report to the Executive Committee forty-five (45) days prior to the Annual Meeting of the Academy.

- J. The Exam Site Committee consists of three (3) members of the Academy. The Committee is responsible for the selection of appropriate locations for the taking of the certification exam at the Annual Meeting of the Health Physics Society and at other regional sites in the United States. The Committee shall select at least two CHPs for each site to serve as proctors for the exam. The Committee shall provide an annual report to the Executive Committee forty-five (45) days prior to the Annual Meeting of the Academy.
- K. The Professional Standards and Ethics Committee consists of five (5) members of the Academy. The Committee is responsible to define the code of ethics for CHPs. The Committee shall review all complaints about ethical practice referred to it by the Executive Committee using the procedures established in Article XI.B.
- L. The Appeals Committee consists of three (3) members of the Academy. The Committee is responsible to review the appeals of health physicists who have been denied certification or certification renewal by the ABHP. The review of the Committee shall be limited to a determination that the policies and procedures of the ABHP have been properly carried out.
- M. The Professional Development Committee consists of six (6) members of the Academy. The Committee is responsible for expanding and enhancing the professionalism and benefits of ABHP certification. The Committee is also responsible for encouraging and assisting in the recognition and acceptance of the importance of ABHP certification by others. The Committee shall provide an annual report to the Executive Committee forty-five (45) days prior to the Annual Meeting of the Academy.

## VIII. Finance

- A. The budget for the Academy and the ABHP shall be approved by the Executive Committee on a yearly basis.
- B. The Executive Committee shall establish the application fee for the certification exams and the certification renewal fee so as to assure revenues for the approved operating expenses of the ABHP.
- C. The Executive Committee shall establish any additional fees necessary to finance the activities of the Academy.

## IX. MEETINGS OF THE ACADEMY

- A. There shall be an annual meeting of the Academy each year. This meeting will normally be held in conjunction with the Annual Meeting of the Health Physics Society.
- B. Special meetings of the Academy may be called by the President or by petition of 25 members of the Academy. The topic of the special meeting shall be clearly identified and must fall within the objectives of the Academy.
- C. Academy members shall be given at least thirty (30) days prior notification of all special meetings and shall receive an agenda of the business of the meeting.
- D. Any member of the Academy may request and be granted time to make proposals or discuss problems that fall within the objectives and purposes of the Academy at any meeting of the Executive Committee or at the Annual Meeting of the Academy. Such requests shall be placed on the appropriate agenda if
  1. the request is in writing
  2. the request is received by an officer of the Academy at least forty-five (45) days prior to a meeting of the general membership for which the request is made
  3. the request is germane to the affairs of the Academy.
- E. At all meetings of the general membership of the Academy, there are no quorum requirements, proxies are not permitted, and decisions on matters brought to a vote are reached by a majority of those members present and voting. The procedure adopted for garnering a vote lies in the discretion of the presiding officer. A resolution or bylaw amendment properly placed upon the agenda of a membership meeting and passed by a majority of the members present at that meeting shall be put to a letter ballot of all members of the Academy within sixty (60) days. Decisions on nonagenda items at general meetings fall into the category of advisory and are not binding upon the Academy.
- F. All meetings of the general membership of the Academy are open to Associate Members.

## BALLOTS

- A. Within sixty (60) days following receipt of the report of the Nominating Committee, the Secretary shall prepare a suitable ballot with provisions for write-in candidates. One such ballot shall be mailed to each member of the Academy. The ballot shall be a secret ballot; it shall be closed on the thirtieth (30th) day following the mailing of the last ballot to the membership.
- B. A committee of three (3) independent CHPs selected by the Secretary shall be responsible for tallying the vote. A plurality as based on the number of votes cast is sufficient to elect. In the event of a tie vote, the tie shall be broken by a suitable lottery established by the Secretary. All ballots shall be maintained by the Secretary for one year. The results of the tally shall be certified by the Secretary and the committee of three and forwarded to the members of the Executive Committee. Following review of the vote by the Executive Committee, the President shall inform the membership of the results of the election.
- C. Resolutions or amendments to the bylaws submitted to the membership for a vote shall be submitted within sixty (60) days following approval of the vote at a general meeting of the Academy or at an Executive Committee meeting. The procedure for the mailing of the ballot and the tallying of the vote shall be the same as defined in Sections A and B above.
- D. All pertinent propositions for and against a resolution or amendment to the bylaws submitted to the membership shall be presented so as to enable a member to evaluate the matter carefully. The President shall review the wording with interested parties in order to assure equity of presentation.
- E. In a poll conducted under this process, a decision is determined by a majority of those members voting. Decisions gathered by the process are binding upon the Executive Committee.

## CODE OF ETHICS

- A. As a member of the Academy, a CHP has certain obligations and responsibilities to the profession of health physics. These include the requirements:
  1. To maintain professional competency, the CHP has a commitment to remain active in the field of health physics and be acquainted with contemporary scientific, technical and regulatory developments.
  2. To uphold the professional integrity of health physics implied in this certification, the relations of a CHP with other individuals and groups including clients, colleagues, governmental agencies, and the general public shall always be based upon and reflect the highest standards of professional ethics and integrity.
  3. The CHP shall represent him/herself as an authority only in those areas in which he/she can be considered an expert by virtue of past training and experience.
- B. A member of the Academy may be censured, suspended, or expelled from the Academy for violation of the code of ethics of the Academy.
  1. A complaint that a member has violated the code of ethics of the Academy may be filed with the President of the Academy. The President shall review the complaint with the members of the Executive Committee at the next regular meeting of the Committee. If the Executive Committee believes the complaint is not frivolous, the President shall refer the matter to the Professional Standards and Ethics Committee who shall hear the matter within a reasonable length of time.
  2. Written notice shall be sent by registered or certified mail to the member in question at least forty-five (45) calendar days prior to a meeting of the Committee. The notice shall:
    - i. Inform the member of the name of the person or persons filing the complaint and the facts of the complaint.
    - ii. State the time and place of the meeting of the Committee.
    - iii. Advise that the member may appear in person at the meeting with legal or other representative and may submit such evidence as the member deems appropriate.
    - iv. Advise the member in question that failure to reasonably cooperate with an ethics investigation is sufficient grounds for suspension.
  3. A majority of the Committee shall determine the action to be taken. The Chairperson shall notify the President of the Academy and all involved members of the decision.
  4. The decision of the Committee may be appealed to the Executive Committee by sending written notice of appeal to the President of the Academy within thirty (30) calendar days of the mailing of the

notice of decision. The Executive Committee shall notify the member by registered or certified mail thirty (30) calendar days in advance of any meeting at which the appeal will be heard. A majority of the Executive Committee shall determine final action on the appeal.

- C. An Associate Member of the Academy shall not represent himself or herself as a CHP or in any manner that implies certification by the ABHP. Any such complaints in this regard will be resolved by the Professional Standards and Ethics Committee.

## XII. DISSOLUTION

In the event of dissolution or final liquidation of the Academy, all of its assets remaining after payment of its obligations shall have been provided for, shall be distributed to the ABHP. In addition, unless otherwise established and agreed to by the Health Physics Society, in such an event the Bylaws of the ABHP shall revert to those approved by the Health Physics Society at the time of the formation of the ABHP in 1960.

## XIII. AMENDMENTS AND MISCELLANEOUS

- A. Amendments to the Bylaws may be proposed
  1. at any meeting of the membership by majority vote of the members present and voting
  2. by petition bearing the signatures of at least ten percent of the members of the Academy or
  3. by the Executive Committee.
- B. Proposed amendments shall be submitted to the members of the Academy by the Secretary in accordance with the procedures of Article X.
- C. In questions pertaining to the conduct of meetings of the Academy not covered by the bylaws or formally established policies of the Academy, Robert's Rules of Order shall prevail.

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
87- -138	Internal Dosimetry Calculations using the INDOS Computer Code	University of Lowell	09/22/87 - 09/22/87	0*
87- -139	Response of Geiger Mueller Detectors	TGM Detectors	12/03/87 - 12/03/87	0*
87- -140	Nuclear Magnetic Resonance Imaging & Tour of Albany Medical Ctr. NMR Facility	Albany Medical Center	04/02/87 - 04/02/87	0*
87- -141	ICRP Meeting - Oxford, England	ICRP	01/01/87 - 01/01/87	0*
87- -142	ICRP Meeting - CONO	ICRP	09/07/87 - 09/12/87	03
87- -143	Fall Technical Meeting	Rio Grande Chapter, NPS	11/13/87 - 11/13/87	02
87- -146	Uitgangspunten en concepten die een rol	NVS-Nederlandse Vereniging	11/27/87 - 11/27/87	02
87- -147	All Agreement State Meeting	U.S. Nuclear Regulatory Comm.	10/07/87 - 10/09/87	02
87- -148	American Industrial Hygiene Conference	AIHA	05/31/87 - 06/05/87	2
87- -149	New Dev. in Aerosol Sampling	AIHA	05/31/87 - 05/31/87	0*
87- -150	Ontario Hydro Station HPS Conf.	Pickering Nuclear Gen. Sta.	12/01/87 - 12/02/87	03
87- -151	6th Annual Panasonic TLD Meeting	Panasonic Industrial	06/15/87 - 06/19/87	02
87- -152	Internal Dosimetry	Quantum Technology	10/13/87 - 10/16/87	03
87- -153	Internal Dosimetry & Bioassay	US NRC	05/12/89 - 05/13/89	02
87- -154	Nuclear Power Performance and Safety	IAEA	09/28/89 - 10/02/89	04
87- -155	NRC Fundamentals of Inspection Course	USNRC	09/14/87 - 09/15/87	0*
87- -157	Health Physics Department Seminar Series	Battelle Pacific Northwest Lab.	01/07/87 - 12/03/87	02
87- -158	Environ. Exposition for Business & Industry	Environ. Exposition Advisory Board	10/20/87 - 10/21/87	*
87- -159	Incineration of Low Level Radioactive Mixed Waste	U.C. Irvine, IAEA, DOE	04/21/87 - 04/24/87	*
87- -160	Management of Radiation Accidents	University of MN School of Medicine	10/01/87 - 01/03/87	*
87- -161	RSNA Refresher #218	RSNA	11/27/87 - 11/27/87	*

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
87- -162	RSNA Refresher #418	RSNA	11/27/87 - 11/27/87	*
87- -163	RSNA Refresher #518	RSNA	11/27/87 - 11/27/87	*
87- -165	NIH Consensus Conference on MRI	National Institute of Health	10/26/87 - 10/29/87	*
87- -166	Nuclear Magnetic Resonance Imaging	Northeastern New York Chapter NPS	04/02/87 - 04/02/87	*
87- -167	Tri-Chapter Meeting-Symposium on Changing and Their Impact	Northeastern New York Chapter NPS	10/19/87 - 10/19/87	*
87- -168	In Vivo NMR Research Ctr. Dedication Ceremony and Scientific Symposium	National Institutes of Health	10/22/87 - 10/23/87	.5
87- -169	The Critical Path	USDOE / EG&G Idaho	06/28/87 - 07/01/87	*
87- -170	American Nuclear Society Winter Meeting	American Nuclear Society	11/15/87 - 11/19/87	*
87- -171	Savannah River Chapter Meeting	Savannah River Chapter, NPS	01/29/87 - 01/29/87	*
87- -172	Savannah River Chapter Meeting	Savannah River Chapter, NPS	02/12/87 - 03/12/87	*
87- -173	Savannah River Chapter Meeting	Savannah River Chapter, NPS	11/05/87 - 11/05/87	*
88- -122	Intro. to Internal Dosimetry	Canberra Industries, Inc.	10/31/88 - 11/04/88	06
88- -123	NRC Refresher Site Access Training	USNRC	02/04/88 - 02/04/88	0*
88- -124	Below Regulatory Concern Radwaste Disposal	Mechanical Engineering Dept.	11/07/88 - 11/11/88	04
88- -125	International Symposium on Uranium & Electric	Canadian Nuclear Society	09/18/88 - 09/21/88	03
88- -126	Effective Hot Particle Control Programs	Technical Management Services, Inc.	10/17/89 - 10/19/89	4
88- -127	Health Physics Department Seminar Series	Battelle Pacific Northwest Lab.	02/04/88 - 12/13/88	02
88- -128	Criticality Alarm Systems Workshop	USDOE and ORNL	09/20/88 - 09/22/88	*
88- -129	Certification Review for Health Physicists	Reynolds Electrical & Engineering	01/04/88 - 01/09/88	*
88- -130	7th Annual Mtg. of the SHRM	SHRM	08/20/88 - 08/26/88	*
88- -131	RSNA Refresher #A02	RSNA	11/27/88 - 11/27/88	*

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
88- -132	RSNA Refresher #317	RSNA	11/27/88 - 11/27/88	*
88- -133	RSNA Refresher #520	RSNA	11/27/88 - 11/27/88	*
88- -134	RSNA Refresher #607	RSNA	11/27/88 - 11/27/88	*
88- -135	Imaging Living Brain Chemistry: Princ.& Prac.	Johns Hopkins Medical Inst.	03/17/88 - 03/18/88	*
88- -136	Savannah River Chapter Meeting	Savannah River Chapter, HPS	10/11/88 - 10/11/88	*
89- -042a	Fundamental ICRP-26 & ICRP-30	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042aa	Medical Doses, Clinical & Occupational - 4d	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042b	Licensing Requirements for Land Disposal of Radioactive Waste	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042bb	Beta-Hot Particle Dosimetry - 4e	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042cc	Strategies for Design of Air Sampling Systems - 4f	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042d	Radiation Dosimetry & Protection in Diagnostic Radiology - 1d	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042dd	Hazard Communications & Professional Liability - 4g	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042e	Microdosimetry - 1e	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042ee	Fundamentals of Portable Survey Instruments - MPH-A	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042f	Radon and Radon Daughter Measurements	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042ff	Radon Mitigation - MPH-Y	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042g	Health Physics Program Audits	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042gg	Waste Classification-History, Standards & Requirements for disposal - TPM-B	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042h	Fundamentals of Radon - 2a	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042hh	Industrial Hygiene Concerns for Health Physics - TPM-C	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042i	Below Regulatory Concern - 2b	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
89- -042ii	Particle Size and Inhalation Hazard - MPH-Y	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042j	Food Irradiation in the world today - 2c	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042jj	Relationship of Particle Sizing & Pulmonary Hazard - MPH-E	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042k	HP Concerns in a Nuclear Medicine Dpt. - 2d	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042l	Real-life Whole Body Counting - 2e	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042m	Offsite Dose Projections for Radiological Emergencies - 2f	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042n	Fundamentals of Lasers and Their Safe Use - 2g	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042o	Workshop for the ABHP Part I Certification Exam. - 2h	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042p	Fundamentals of Radiation Injury - 3a	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042q	Managing Mixed Waste - 3b	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042r	HP Implications of Reactor Water Chemistry - 3c	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042s	Survey of Medical Instrumentation - 3d	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042t	Recent Advances in CR-39 Personnel Neutron Dosimetry - 3e	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042u	Radiological Characterization of Surface Soil - 3f	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042v	Self-Assessment of Health Physics Program - 3g	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042w	ABHP Exam. Review - Part II - 3h	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042x	Fundamentals of Thermoluminescent Dosimetry - 4a	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042y	HP Implications for Low-Level Radioactive Waste Management - 4b	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -042z	Radiography - Current Status - 4c	HPS 1989 Annual Meeting PEPs	06/25/89 - 06/29/89	04#
89- -043	Hot Particle Origins Properties and Controls	Palo Verde NGS	03/17/89 - 03/17/89	02#

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
89- -081	7th Annual Spring Conference - Cal Rad Forum	Allied Technology	04/24/89 - 04/24/89	02#
89- -082	Management of Electromagnetic Energy Hazards	Rutgers University	10/17/89 - 10/19/89	06#
89- -083	Below Regulatory Concern Concept	Society & Association Services Corp	10/03/89 - 10/05/89 10/23/89 10/25/89 11/13/89 11/15/89	3#
89- -084	Technical Meeting of the WNY Chapter, HPS	Western New York Chapter, HPS	05/12/89 - 05/12/89	02#
89- -085	Second Annual Biosafety Conf. for HP	UNC/Chapel Hill Occup. Saf.	07/10/89 - 07/12/89	0*
89- -086	Radiation Protection Managers Annual Meeting	Iowa Electric Light & Power Co.	05/23/89 - 05/23/89	02#
89- -087	Human Performance Evaluation System	INPO	07/17/89 - 07/19/89	02#
89- -088	CMS 1989 Modular Users Group Meeting	Computerized Medical Systems	04/26/89 - 04/28/89	04#
89- -089	Radiological Protection Program Assessment	Technical Management Services, Inc.	11/13/89 - 11/15/89	*
89- -090	Society For Risk Analysis Annual Meeting	Society for Risk Analysis	10/29/89 - 11/01/89	*
89- -091	Critical Issues--Relevant Strategies	Electromagnetic Energy Policy Allia	10/17/89 - 10/19/89	*
89- -092	Seminar on Protection of the Fetus	Illinois Dept. of Nuclear Safety	09/26/89 - 09/26/89	*
89- -093	Low Level Radioactive Waste Generators	Illinois Dept. of Nuclear Safety	12/12/89 - 12/12/89	*
89- -094	X-Ray And Radioactive Material Users Conf.	Illinois Dept. of Nuclear Safety	12/13/89 - 12/13/89	*
89- -095	Winter 1989 ANS Meeting	American Nuclear Society	10/25/89 - 10/28/89	*
89- -096	Great Lakes Chapter HPS Meeting	Great Lakes Chapter, HPS	10/27/89 - 10/27/89	*
89- -097	28th Hanford Symposium on Health & Environ.	USDOE, Battelle	10/16/89 - 10/19/89	*
89- -098	NICHRad Fall Conference	NICHRAD	10/24/89 - 10/24/89	*
89- -099	Neutron Personnel Dosimetry	ORAU	11/14/89 - 11/16/89	*
89- -100	New Medical Initiatives Workshop	USNRC	09/15/89 - 09/15/89	*
89- -101	CBC-Writing Successfully for HP Journal	HPS Annual Meeting-CEC	06/26/89 - 06/26/89	02#

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
89- -102	Hazardous Materials Considerations for the HP	HPS Annual Meeting-CEC	06/26/89 - 06/26/89	02#
89- -103	Public Information Training: Dealing w/Media	HPS Annual Meeting-CEC	06/27/89 - 06/27/89	02#
89- -104	Role of the HP in Conduct of Pub. Ed. on LLRW	HPS Annual Meeting-CEC	06/27/89 - 06/27/89	02#
89- -105	Public Information Workshop: Programs That Work	HPS Annual Meeting-CEC	06/28/89 - 06/28/89	02#
89- -106	Update on Status of Proposed Trans. Reg. Rev.	HPS Annual Meeting-CEC	06/28/89 - 06/28/89	02#
89- -107	Role of the HP in Conduct of Pub. Ed. on LLRW	HPS Annual Meeting-CEC	06/29/89 - 06/29/89	02#
89- -108	Internal Dose Assessment	Technical Management Services, Inc.	11/14/89 - 11/18/89	*
89- -109	Air Sampling	Technical Management Services, Inc.	01/25/89 - 01/27/89	3#
89- -110	Radiation Detection & Measurement	Technical Management Services, Inc.	02/06/89 - 02/10/89	4#
89- -111	Contamination Control	Technical Management Services, Inc.	03/20/89 - 03/21/89	3#
89- -112	Hot Particle Control Training	Technical Management Services, Inc.	03/22/89 - 03/23/89	3#
89- -113	Internal Dose Assessment	Technical Management Services, Inc.	04/24/89 - 04/28/89	*
89- -114	Radioactive Sample Analysis	Technical Management Services, Inc.	05/15/89 - 05/19/89	4#
89- -115	Applied Gamma Spectroscopy	Technical Management Services, Inc.	09/18/89 - 09/22/89	5#
89- -116	Air Sampling	Technical Management Services, Inc.	10/19/89 - 10/20/89	*
89- -118	Certification Review Course for Health Physic	Skrable Enterprises, Inc.	03/19/89 - 03/24/89	8#
89- -119	Technical Meeting of Western New York Chapter	Western New York Chapter, HPS	03/31/89 - 03/31/89 06/16/89 06/16/89 09/05/89 09/05/89	2#
89- -120	Handling of Radiation Accidents by Emergency	Oak Ridge Associated Universities	09/26/89 - 09/29/89	5#
89- -121a	Meeting of Campus Radiation Safety Officers	Campus Radiation Safety Officers	07/18/89 - 07/19/89	*
89- -122	Life Sciences Retreat	Lawrence Berkeley Laboratory	09/19/89 - 09/20/89	1#
89- -123	Medical Use of Radioisotopes Workshop	U.S. Nuclear Regulator Commission	09/07/89 - 09/07/89	1#



DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
89- -124	ABHP Certification Preparation Course	East Tennessee Chapter, HPS	04/12/89 - 06/14/89	84
89- -125	Implementation of the New 10CFR20	Technical Management Services, Inc.	10/16/89 - 10/18/89	30
89- -126	Mort Accident/Incident Investigation Workshop	System Safety Development Center	07/24/89 - 08/04/89	30
89- -127	Environmental Laws & Regulations Compliance	Westinghouse Savannah River Company	09/19/89 - 09/20/89 10/16/89 10/17/89 11/09/89 11/10/89	34
89- -128	ACURI 89 Annual Meeting	Penn State University	11/02/89 - 11/03/89	34
89- -129a	Annual Technical Meeting of CRMCHPS	Central Rocky Mountain Chapter, HPS	04/11/89 - 04/11/89	024
89- -129b	Special Topics Workshop	USNRC	11/28/89 - 12/01/89	*
89- -130	Low-Level Waste Disposal Regulatory Meeting	USNRC	11/15/89 - 11/16/89	030
89- -131	Offsite Emergency Radiological Monitoring Class:Emergency Phase & Intermediate Phase	Porter Consultants	10/13/89 - 10/14/89 10/12/89 10/13/89 10/09/89 10/10/89	*
89- -132	Below Regulatory Concern Radwaste Disposal	University of Texas	10/10/89 10/11/89 10/09/89 - 10/13/89	*
89- -133	1st Int'l Conf. on Radioactive Nuclear Beams	USDOE	10/16/89 - 10/18/89	04
89- -134	4th Annual Meeting Am. Assoc. Aerosol Research	American Assoc. for Aerosol Research	10/10/89 - 10/13/89	04
89- -135	Workshop on Management of Radioactivity Contaminated Sites	USEPA	11/01/89 - 11/01/89	*
89- -136	DOE Defense Programs Restoration	USDOE	10/29/89 - 10/31/89	*
89- -137	American Nuclear Society Winter Meeting	American Nuclear Society	11/15/89 - 11/19/89	*
89- -138	IEEE 1989 Nuclear Science Symposium	Lawrence Livermore Laboratory	10/25/89 - 10/27/89	*
89- -139	Biennial Campus Radiation Safety Officers	Campus Radiation Safety Officers	11/01/89 - 11/01/89	*
89- -140	1989 Fall Meeting-CA Radiation Forum	CA Radioactive Materials Mgmt. Forum	11/20/89 - 11/21/89	*
89- -141	Radwaste Packaging & Shipping	Portland General Electric	10/17/89 - 10/19/89	*
89- -142	Internal Dose Assessment	Technical Management Services, Inc.	12/04/89 - 12/08/89	*
89- -143	Annual All-States Meeting	USNRC	10/11/89 - 10/13/89	*

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
89- -144	Basic Health Physics	Nuclear Science Center	12/11/89 - 12/15/89 05/14/90 05/18/90 12/01/90 12/01/90	*
89- -146	Technical Conference	Brookhaven National Laboratory	09/18/89 - 09/22/89	*
89- -147	Autumn Chapter Meeting	Cascade Chapter Health Physics Soc.	10/27/89 - 10/27/89	*
89- -148	Health Physics Technology	USNRC Technical Training Center	12/04/89 - 12/15/90	*
89- -149	Radiation Protection Directors' Meeting	NRC Region III Utilities	11/28/89 - 11/28/89	*
89- -150	Implementation of the New Part 20	Alexander Corporation	09/22/89 - 09/29/89	*
89- -151	VA Chapter American College of Radiology	VA Chapter American College Radiol.	11/11/89 - 11/11/89	*
89- -152	Title III, SARA & OSHA/Hazard Communication	NCSU	05/25/89 - 05/25/89	*
89- -153	Hazardous Chemicals & Safe Practices	NCSU	05/16/89 - 05/17/89	*
89- -154	Human Perception	NCSU	03/01/89 - 06/01/89	*
89- -155	Environmental Ergonomics	NCSU	06/01/89 - 08/01/89	*
89- -156	Risk Estimates - 1989	B/W Chapter Health Physics Society	09/21/89 - 09/21/89	04
89- -157	New Air Standards for Radionuclides	B/W Chapter Health Physics Society	11/16/89 - 11/16/89	04
89- -158	Safety System Function Inspections	American Nuclear Society Michigan	12/07/89 - 12/07/89	04
89- -159	Internal Radiation Dosimetry	Skrable Enterprises, Inc.	06/11/89 - 06/16/89	*
89- -160	Fundamentals of Radiological Health Physics	Skrable Enterprises, Inc.	06/11/89 - 06/16/89	*
89- -161	Advanced Radiological Health Physics	Skrable Enterprises, Inc.	06/18/89 - 06/23/89	*
89- -162	Int'l Workshop in New Developments in Occup. Dose Control & ALARA Imp. at NPP & Sim. Fac.	USNRC and USDOE	09/18/89 - 09/21/89	*
89- -163	Industrial Hygiene Air & Waste Management Activities in New Mexico	NM Chapter Air & Waste Mgmt. Assn.	11/01/89 - 11/02/89	*
89- -164	Radioactive Materials Shipping Requirements	General Physics Corporation	10/30/89 - 11/03/89 12/11/89 12/15/89 06/11/90 06/15/90 12/10/90 12/14/90	*

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
89- -165	DNA Damage & Repair Studies in Rad. Sciences	University of Pittsburgh	11/29/89 - 11/29/89	*
89- -166	26th EEI HP Committee Meeting	EEI	10/02/89 - 10/04/89	*
89- -167	7th Annual Mtg. of the SNRI	SNRI	02/25/89 - 03/01/89	*
89- -168	8th Annual Mtg. of the SNRI	SNRI	08/12/89 - 08/18/89	*
89- -169	RSNA Refresher #319	RSNA	11/27/89 - 11/27/89	*
89- -170	RSNA Refresher #217	RSNA	11/27/89 - 11/27/89	*
89- -171	Workshop-Effects of Extremely Low Frequency Electromagnetic Radiation	National Academy of Sciences	03/14/89 - 03/14/89	*
89- -172	Image Management and Communication	INAC	06/04/89 - 06/08/89	*
89- -173	Great Lakes Chapter Health Physics Society	Great Lakes Chapter HPS	12/18/89 - 12/18/89	00
89- -174	VA Chapter HPS Fall 1989 Wintergreen Meeting	VA Chapter HPS	11/03/89 - 11/05/89	*
89- -175	B/W Chapter HPS Chapter Meeting	B/W Chapter HPS	01/25/89 - 01/25/89	00
89- -176	Technical Meeting of the Western NY Chapter	Western NY Chapter HPS	03/31/89 - 03/31/89	020
89- -177	Savannah River Chapter Meeting	Savannah River Chapter, HPS	01/26/89 - 01/26/89	*
89- -178	Savannah River Chapter Meeting	Savannah River Chapter, HPS	09/27/89 - 09/27/89	20
89- -178a	Respiratory Protection At Nuclear Facilities	Radiation Safety Associates, Inc.	04/10/89 - 04/14/89 10/16/89 - 10/20/89 04/23/90 - 04/27/90 10/15/90 - 10/19/90	* * 20 20
89- -179	Regulator & Awareness-Radioactive Waste Packaging, Transportation and Disposal	Detroit Edison	05/22/89 - 05/24/89	20
89- -180	Joint Symposium on Dosimetry of Administered Radionuclides	Amer. Col. Nuc. Phy./Soc. Nuc. Med.	09/21/89 - 09/22/89	*
89- -181	Women and Radiation	New England Chapter, HPS	09/29/89 - 09/29/89	20
90-01- 01a	Health Physics Society 1990 Annual Meeting Anaheim, CA	Health Physics Society	06/24/90 - 06/27/90	+
90-01- 01b	Health Physics Society 24th Mid-Year Meeting Raleigh, NC	Health Physics Society	01/21/91 - 01/25/91	+
90-01- 01c	American Nuclear Society Annual Meeting	American Nuclear Society		+

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
90-01- 01d	American Association of Physicists in Medicine	American Assn. of Physicists in Med	-	+
90-01- 01e	National Council for Radiation Protection and Measurement	Nat'l Council for Rad. Prot.& Meas.	-	+
90-01- 01f	Society for Nuclear Medicine	Society for Nuclear Medicine	-	+
90-01- 01g	Radiation Research Society	Radiation Research Society	-	+
90-01- 01h	Conference of Radiation Control Program Directors	Conf. of Rad. Control Prog. Direct.	-	+
90-01- 01i	Radiological Society of North America	Radiological Society of North Amer.	-	+
90-01- 01j	International Radiation Protection Assn.	Int'l Rad. Protection Assn.	-	+
90-01- 01l	American Industrial Hygiene Association	American Industrial Hygiene Assn.	-	+
90-01- 01m	American Chemical Society Annual Meeting	American Chemical Society	-	+
90-01- 01n	Annual Conference on Bioassay, Analytical, & Environmental Radiochemistry	Radiochemistry	-	+
90-01- 01o	Health Physics Society Local Chapter Meeting	Health Physics Society	-	020
90-01- 01p	American Nuclear Society Local Chapter Mtg.	American Nuclear Society	-	020
90-01- 01q	American Assn. of Physicists in Medicine	American Assn. of Physicists in Med	-	020
90-01- 01r	American Industrial Hygiene Association	American Industrial Hygiene Assn.	-	020
90-01-001	Radiological Science - II	Georgetown University	01/01/90 - 05/01/90	120
90-01-002	Health Physics in Radiation Accidents	Oak Ridge Associated Universities	01/22/90 - 01/26/90	060
90-01-003	Radioactive Sample Analysis	Technical Management Services, Inc.	01/22/90 - 01/26/90	*
90-01-004	Emergency Preparedness	Duke Power Company	01/10/90 - 01/10/90 01/31/90 - 01/31/90 06/27/90 - 06/27/90 10/03/90 - 10/03/90	* * * 120
90-01-005	Certification Examination Prep Course	Baltimore Washington Chapter	01/01/90 - 06/01/90	120
90-01-006	H-312: Internal Dosimetry & Whole Body Count.	USNRC Technical Training Center	01/22/90 - 01/26/90	*
90-01-007	Laser Hazard Assessment Course	USAF School of Aerospace Medicine	01/08/90 - 01/12/90 08/12/90 - 08/17/90	* *

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
90-01-008	Technical Staff & Mgrs. Training Program	Boston Edison Company	01/28/91 - 02/01/90 08/05/91 - 08/09/91 01/30/90 - 03/23/90	*
90-01-009	Decontamination & Decommissioning Workshop	ASTM E10.03	01/22/90 - 01/25/90	*
90-01-010	Nuclear Detection in Radiation Protection Nuclear Engineering #497H	Penn State University	01/08/90 - 04/30/90	*
90-01-011	Winter Chapter Meeting	Cascade Chapter HPS	01/19/90 - 01/19/90	*
90-01-012	Advanced Health Physics	University of Idaho	01/16/90 - 05/01/90	*
90-01-013	Current Respiratory Protection Issues	Respirator Support Services	01/15/90 - 01/16/90 03/19/90 - 03/20/90 05/16/90 - 05/17/90 07/16/90 - 07/17/90	*
90-01-014	Joint Meeting of HPS, ANS, AAPM	HPS, ANS, AAPM	01/15/90 - 01/15/90	020
90-01-015	Cascade Chapter HPS Winter Meeting	Cascade Chapter, HPS	01/19/90 - 01/19/90	020
90-01-016	ANS Section Meeting	American Nuclear Society	03/15/90 - 03/15/90	20
90-01-017	ABHP Certification Examination Review Course	Illinois Dept. of Nuclear Safety	01/25/90 - 06/12/90	*
90-01-018	Nuclear Detection in Radiation Protection	Penn State University	01/08/90 - 04/30/90	*
90-01-019	Health Physics in Radiation Accidents	ORAU	01/22/90 - 01/26/90	0*
90-01-020	Health & Safety Training for Hazardous Waste Site Work	John Mathes & Associates, Inc.	01/22/90 - 01/24/90	*
90-01-021	Subcommittee on Dose Assessment	USDOE	01/23/90 - 01/25/90	*
90-02-001	DOE and DOE Contractors Safety & Health Conf.	USDOE	02/26/90 - 02/28/90	*
90-02-002	Meeting the Challenges of the '90s in Radiation Protection	INPO	02/05/90 - 02/07/90	*
90-02-003	Data Analysis & Interp. for Environ. Surveill	Oak Ridge National Laboratory	02/05/90 - 02/07/90	*
90-02-004	Overview of the NRC's Revised 10CFR Part 20	New Jersey Chapter HPS	02/07/90 - 02/07/90	020
90-02-005	EPA Workshop on Risk Communication	New Jersey Chapter HPS	02/07/90 - 02/07/90 02/06/90 - 02/06/90	020
90-02-006	Respirator Fit Testing	Respirator Support Services	02/08/90 - 02/09/90 04/19/90 - 04/20/90 06/20/90 - 06/21/90 09/25/90 - 09/26/90	*
90-02-007	DOE & DOE Contractors Worker's Safety &	US Department of Energy	02/26/90 - 02/28/90	*

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
	Health Conference			
90-02-008	American Board of Medicine's Ad Hoc Committee on Radiologic Technologists	American Board of Medicine	02/23/90 - 02/23/90	*
90-02-009	Recent Estimates of Cancer Risk	San Onofre Nuclear Generating Sta.	02/15/90 - 02/15/90	*
90-02-010	Louisiana Nuclear Society	LA Chapter American Nuclear Society	02/15/90 - 02/15/90	020
90-02-011	Beneficial Use of Municipal & Indus. Sludge	University of Wisconsin - Milwaukee	02/15/90 - 02/16/90	*
90-02-012	Beta Dosimetry Workshop for Phil. Elec. Co.	Porter Consultants, Inc.	02/15/90 - 02/16/90	*
90-02-013	Radon Hazards and Measurements Workshop	Porter Consultants, Inc.	02/15/90 - 02/16/90	*
90-02-014	Waste Management '90 - Working Towards a Clear Environment	University of Arizona, AMS, DOE	02/25/90 - 03/01/90	*
90-02-015	DOE & DOE Contractors Worker's Safety & Health Conference	US DOE	02/26/90 - 02/28/90	*
90-02-016	Health Physics Aspects of the Shippingport Reactor Decommissioning	New England Chapter, HPS	02/28/90 - 02/28/90	20
90-03-001	Radon in Buildings	Harvard School of Public Health	02/01/90 - 03/02/90 11/19/90 - 11/20/90	*
90-03-002	32nd Navy Occupational Health & Preventive Medicine Workshop	Navy Environmental Health Center	03/24/90 - 03/29/90	*
90-03-003	Managing Hazardous Materials Emergencies in Biomedical Research Facilities	National Institutes of Health	03/22/90 - 03/23/90	*
90-03-004	Certification Review for Health Physicists	Skrable Enterprises, Inc.	03/18/90 - 03/23/90	*
90-03-005	HP Data Management with Personal Computers	Technical Management Services, Inc.	03/12/90 - 03/15/90	*
90-03-006	Great Lakes Chapter Spring Symposium	Great Lakes Chapter HPS	03/22/90 - 03/22/90	020
90-03-007	Fundamentals of Internal Dosimetry	Washington State Univ./Tri-Cities	03/12/90 - 03/16/90	*
90-03-008	Principles & Applications of Thermoluminescen	Vicoteen, Inc.	03/06/90 - 03/08/90	*
90-03-009	Regulatory Aspects of the Hot Particle Issue	New England Chapter, HPS	03/27/90 - 03/27/90	*
90-03-010	Educational Day on Radon	American Medical Association	03/24/90 - 03/24/90	*
90-03-011	Social Issues Affecting the Siting & Operat. of Low-level Radioactive Waste Disp. Facil.	NY State Energy Res. & Dev. Author.	03/19/90 - 03/19/90	*

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS	DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
03-012	3rd Annual Hazardous Waste Management Conference & Exhibition	EPA, NM Envir. Imp. Div., etc.	03/12/90 - 03/15/90	*	90-06-001	In-Place Filter Testing Workshop	Harvard School of Public Health	06/11/90 - 06/15/90 08/20/90 - 08/24/90	*
03-013	Field Trip to MI Elec. Power Coordination	American Nuclear Society	03/29/90 - 03/29/90	29	90-06-002	Certification of Biological Safety Cabinets	Harvard School of Public Health	06/11/90 - 06/18/90 08/20/90 - 08/27/90	*
03-014	Workshop on Personnel Safety Interlocks	Continuous Electron Beam Ass. Pac.	03/29/90 - 03/30/90	*	90-06-003	Environmental Radiation Surveillance	Harvard School of Public Health	06/11/90 - 06/15/90	
04-001	Spring Dale Trout Symposium	Cascade Chapter HPS	04/13/90 - 04/13/90	020	90-06-004	Planning for Nuclear Emergencies	Harvard School of Public Health	06/18/90 - 06/22/90	*
04-002	27th Meeting of the Health Physics Committee	Edison Electric Institute	04/01/90 - 04/04/90	*	90-06-005	Internal Radiation Dosimetry	Skrable Enterprises, Inc.	06/04/90 - 06/09/90	*
04-003	8th Annual Fall Conference - CAL RAD	CALRAD Materials Management Forum	04/29/90 - 04/30/90	*	90-06-006	Fundamentals of Radiological Health Physics	Skrable Enterprises, Inc.	06/11/89 - 06/16/89	*
04-004	Respiratory Protection At Nuclear Facilities	Radiation Safety Associates, Inc.	04/23/90 - 04/27/90 10/15/90 - 10/19/90	*	90-06-007	Advanced Radiological Health Physics	Skrable Enterprises, Inc.	06/18/90 - 06/16/90	*
04-005	Current Topics in Medical Physics	RAMPS	04/20/90 - 04/20/90	*	90-06-008	Radioactive Materials Shipping Requirements	General Physics Corporation	06/11/90 - 06/15/90 12/10/90 - 12/14/90	
04-006	Educational Day on Radon	American Medical Association	04/28/90 - 04/28/90	*	90-06-009a	Fundamentals & Applications of ICRP-26/30	HPS, PEP	06/18/91 - 06/14/91 12/09/91 - 12/13/91	040
04-007	Engineering Economics	Philadelphia Electric Co.	04/11/90 - 06/20/90	*	90-06-009aa	ANSI Z 136.1 Laser Standard Refresher	HPS, PEP	06/25/90 - 06/25/90	040
04-008	Management Problems of the Technical Person in a Leadership Role	Fred Pryor Seminars	04/18/90 - 04/18/90	*	90-06-009b	Fundamentals of Portable Survey Instruments	HPS, PEP	06/25/90 - 06/25/90	040
04-009	Risk Perception	NY State Energy Res. & Dev. Author.	04/26/90 - 04/26/90	*	90-06-009bb	Liquid Scintillation Counting-Past, Present & Future	HPS, PEP	06/25/90 - 06/25/90	040
04-010	Spring Chapter Meeting	Cascade Chapter, HPS	04/13/90 - 04/13/90	20	90-06-009c	Classification/Disposal of Radioactive Wastes History, Legal & Regulatory Requirements	HPS, PEP	06/25/90 - 06/25/90	040
04-011	Respiratory Protection for the Nuclear Indust	Darell Bevis Assoc./Radiation Safet	04/09/90 - 04/13/90	*	90-06-009cc	Industrial Hygiene Concerns Involving Hazardous & Mixed Waste	HPS, PEP	06/25/90 - 06/25/90	040
05-001	Radiation Protection Instrumentation	Harvard School of Public Health	05/07/90 - 05/11/90	*	90-06-009d	Statistical Quantification of Uncertainty in Radiation Protection Model	HPS, PEP	06/25/90 - 06/25/90	040
05-002	Basic Health Physics	Nuclear Science Center	12/11/89 - 12/15/89 05/14/90 - 05/18/90 12/01/90 - 12/01/90	*	90-06-009dd	Preparation for the ABHP Part I Certification Exam	HPS, PEP	06/25/90 - 06/25/90	040
05-003	Respiratory Protection for all Workplaces	Respirator Support Services	05/21/90 - 05/24/90 08/14/90 - 08/17/90 10/09/90 - 10/12/90 11/26/90 - 11/29/90	*	90-06-009e	10CFR61	HPS, PEP	06/25/90 - 06/25/90	040
05-004	Educational Day on Radon	American Medical Association	05/19/90 - 05/19/90	*	90-06-009ee	Preparation for the ABHP Part I Certification Exam	HPS, PEP	06/25/90 - 06/25/90	040
05-005	Hot Particle Control Training	Technical Management Services, Inc.	05/09/90 - 05/10/90	*	90-06-009f	Managing Mixed Waste	HPS, PEP	06/25/90 - 06/25/90	040
05-006	Contamination Control	Technical Management Services, Inc.	05/07/90 - 05/08/90	*	90-06-009ff	Preparation for ABHP Part II Certification Exam	HPS, PEP	06/25/90 - 06/25/90	040
05-007	Preparation for Health Physics Inspections Course	Pt. Belvoir R D & E	05/07/90 - 05/11/90	*	90-06-009g	Waste Processing	HPS, PEP	06/25/90 - 06/25/90	040

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CHCS
06-009gg	Preparation for ABHP Part II Certification Exam	HPS, PEP	06/24/90 - 06/24/90	04#
06-009h	BRC: Political & Public Relations Implication	HPS, PEP	06/25/90 - 06/25/90	04#
06-009hh	Applications of Statistical Process Control for Power Reactor	HPS, PEP	06/26/90 - 06/26/90	04#
06-009i	Design of Bioassay Programs	HPS, PEP	06/25/90 - 06/25/90	04#
06-009ii	Uncertainty of Health Risk Assessment	HPS, PEP	06/26/90 - 06/26/90	04#
06-009j	Pulmonary Hazards and Particle Size Distrib.	HPS, PEP	06/25/90 - 06/25/90	04#
06-009jj	Radon Fundamentals	HPS, PEP	06/26/90 - 06/26/90	04#
06-009k	Respiratory Protection	HPS, PEP	06/25/90 - 06/25/90	04#
06-009kk	Air Sampling	HPS, PEP	06/27/90 - 06/27/90	04#
06-009l	In Vivo Measurements of Internally Deposited Radioactive Material	HPS, PEP	06/25/90 - 06/25/90	04#
06-009ll	The Health Physics of Pregnancy	HPS, PEP	06/27/90 - 06/27/90	04#
06-009m	Instrumentation for Medical Health Physics	HPS, PEP	06/25/90 - 06/25/90	04#
06-009mm	Epidemiologic Methods for Health Physicists	HPS, PEP	06/27/90 - 06/27/90	04#
06-009n	Impact of 10CFR 35	HPS, PEP	06/25/90 - 06/25/90	04#
06-009nn	Nuclear Power Reactor Health Physics	HPS, PEP	06/28/90 - 06/28/90	04#
06-009o	High Energy Accelerator Heal Physics	HPS, PEP	06/25/90 - 06/25/90	04#
06-009oo	Health Physics for the Broad Scope Medical License	HPS, PEP	06/28/90 - 06/28/90	04#
06-009p	Shielding of Medical Linac Treatment Rooms	HPS, PEP	06/25/90 - 06/25/90	04#
06-009pp	The Continuing Evolution of Dose Equivalent	HPS, PEP	06/28/90 - 06/28/90	04#
06-009q	CR-39 Personnel Neutron Dosimetry	HPS, PEP	06/25/90 - 06/25/90	04#
06-009qq	Nuclear Litigation Issues	HPS, PEP	06/24/90 - 06/24/90	04#

DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CHCS
90-06-009r	Microdosimetry	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009s	Operational Considerations of TL Dosimetry Systems: QA	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009t	Problem Identifications/Resolutions	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009u	Neutron Quality Factor	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009v	Radon Mitigation	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009w	A Review of Basic & Current Nuclear Transport Regulations	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009x	Health Physics of Fusion	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009y	Radiological Characterization of Surface Soil	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-009z	Radiological Characterization of Surface Soil	HPS, PEP	06/25/90 - 06/25/90	04#
90-06-010	Radioactive Materials Shipping Requirements	General Physics Corporation	06/11/90 - 06/15/90 12/18/90 12/14/90	'
90-06-011	Educational Day on Radon	American Medical Association	06/10/91 06/14/91 12/09/91 12/13/91	'
90-07-001	Management & Disposal of Low Level Rad. Waste	Harvard School of Public Health	07/16/90 - 07/20/90	'
90-07-002	Advanced Workshop on Nuclear Emer. Planning	Harvard School of Public Health	07/23/90 - 07/27/90	'
90-07-003	Ionizing Radiation Risks: Present & Future	American Statistical Assn.	07/08/90 - 07/12/90	'
90-08-002	In-Place Filter Testing Workshop	Harvard School of Public Health	06/11/90 - 06/15/90 08/20/90 08/24/90	
90-08-003	Certification of Biological Safety Cabinets	Harvard School of Public Health	06/11/90 - 06/18/90 08/20/90 08/27/90	
90-08-004	Respiratory Prot. & Chemical Prot. Clothing	Harvard School of Public Health	08/13/90 - 08/17/90	
90-08-005	Laser Hazard Assessment Course	USAF School of Aerospace Medicine	08/12/90 - 08/17/90	
90-08-006	21st DOE/NRC Nuclear Air Cleaning Conference	USDOE, USNRC, Harvard Air Clean.Lab	08/13/90 - 08/16/90	'
90-09-001	Educational Day on Radon	American Medical Association	06/02/90 - 06/02/90	'

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DESIGNATOR	COURSE TITLE	COURSE SPONSOR	DATE PRESENTED	CECS
90-09-001	Health Physics in Radiation Accidents	Oak Ridge Associated Universities	09/17/90 - 09/21/90	061
90-09-001	Educational Day on Radon	American Medical Association	09/22/90 - 09/22/90	*
90-09-002	Educational Day on Radon	American Medical Association	09/29/90 - 09/29/90	*
90-09-002	Risk Analysis in Environmental & Occ. Health	Harvard School of Public Health	09/05/90 - 09/07/90	*
90-10-001	Respiratory Protection At Nuclear Facilities	Radiation Safety Associates, Inc.	10/15/90 - 01/19/90	*
90-12-001	Basic Health Physics	Nuclear Science Center	12/11/89 - 12/15/89 05/14/90 - 05/18/90 12/01/90 - 12/01/90	*
91-01-001	Radiation Detection & Measurement	Technical Management Services, Inc.	02/05/90 - 02/09/90	*
91-01-002	Emergency Preparedness	Duke Power Company	01/09/91 - 01/09/91 01/31/91 - 01/31/91	
91-01-003	Laser Hazard Assessment Course	USAF School of Aerospace Medicine	01/28/91 - 02/01/91 08/05/91 - 08/09/91	
91-06-001	Radioactive Materials Shipping Requirements	General Physics Corporation	06/10/91 - 06/14/91 12/09/91 - 12/13/91	*
91-08-001	Laser Hazard Assessment Course	USAF School of Aerospace Medicine	08/05/91 - 08/09/91	
91-12-001	Radioactive Materials Shipping Requirements	General Physics Corporation	12/09/91 - 12/13/91	

\* indicates that the application for continuing education credits is still under review

# indicates "new" credits

+ indicates 1 credit per day up to a max. of 3 credits under the old system or 2 credits per half day up to a max. of 12 credits under the new system

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