

***American Physical Society Division of  
NUCLEAR PHYSICS  
Formed in April 1966***

***A Brief History***

***Virginia R. Brown  
Benjamin F. Gibson***

## ***DNP***

### ***Original 1966 Charter:***

***The objectives of the Division shall be to assist the advance and dissemination of knowledge of nuclear physics. Nuclear physics is here defined to include the study of nuclei, their structure, disintegration, interactions, and other properties; it includes also the study of the constituent parts of the nucleus, their interactions with one another and with nuclei.***

# ***Division of Nuclear Physics***

## ***Current Bylaws, Article II***

***The objective of the Division shall be to assist the advancement, dissemination, and application of knowledge of nuclear physics. Nuclear physics is the study of the properties and interactions of nuclei and their constituents. It extends to interdisciplinary studies of nuclear phenomena in the cosmos and to the use of nuclear properties to probe fundamental forces. It includes also the development of accelerators, instrumentation, and new technologies in support of these studies.***

## ***DNP Website Description***

***The fundamental objective of nuclear physics is the understanding of nuclei, which are the hearts of atoms and the place where almost all the mass of ordinary matter resides. It encompasses the study of the constituent parts, structure, stability, and interactions of nuclei. Nuclear physics extends to interdisciplinary studies of nuclear phenomena in the cosmos and to studies of fundamental symmetries of nature. The Division of Nuclear Physics of the American Physical Society exists for the advancement, dissemination, and application of nuclear physics. It was founded in 1966, and currently includes more than 2,600 members.***

## *DNP Chairs (1966-2011)*

**L.I. SCHIFF (1966)**

**H.H. BARSCHALL**

**M. GOLDHABER**

**H. FESHBACH**

**G.C. PHILLIPS**

**T. LAURITSEN**

**F. AJZENBERG-SELOVE**

**B.L. COHEN**

**J.P. SCHIFFER**

**S.S. HANNA**

**J. WENESER**

**P. AXEL**

**E.M. HENLEY**

**B.G. HARVEY**

**G.T. GARVEY**

**S.M. AUSTIN**

**G.F. BERTSCH**

**E. HAYWARD**

**L. ROSEN (1985)**

**R.G. STOKSTAD (1986)**

**E.G. ADELBERGER**

**S.E. KOONIN**

**R.A. EISENSTEIN**

**J.B. BALL**

**G.M. CRAWLEY**

**W.C. HAXTON**

**N. BENCZER-KOLLER**

**C.B. DOVER**

**J.D. WALECKA (1995)**

**L.L. RIEDINGER (1996)**

**B.C. CLARK**

**S.J. FREEDMAN**

**W.F. HENNING**

**R.G.H. ROBERTSON**

**J.M. MOSS**

**C. GLASHAUSSER**

**A.B. BALANTEKIN**

**D.F. GEESAMAN**

**B.M. SHERRILL**

**S.J. SEESTROM**

**R.G. MILNER**

**R.F. CASTEN**

**L.S. CARDMAN**

**W.A. ZAJC**

**R.E. TRIBBLE (2011)**

## *DNP Secretary-Treasurers (1966-2011)*

**1966-1986 J. A. HARVEY**

**1986-1995 V. R. BROWN**

**1995- B. F. GIBSON**

# Formation of a Division of Nuclear Physics in the American Physical Society

The formation of the Division of Nuclear Physics was approved by the Council of the APS on 25 April 1966. It is one of the seven divisions within the Society devoted to the study of a specialized area of physics.

## Organizing Committee

**J. L. Fowler, Chair    D. A. Bromley, Vice Chair    J. A. Harvey, Secretary-Treasurer**

H.H. Barshall, L.M. Bolinger, W.W. Buechner, H.E. Gove, M. Hamermesh,  
S.S. Hanna, H.W. Koch, T. Lauritsen, G.C. Phillips, F.H. Schmidt,  
R.F. Tascher, A. Zucker

# *Division of Nuclear Physics Original Membership*

1. *Fowler, J. L., ORNL*

*June 27, 1966*

2. *Harvey, J. A., ORNL*

3. *Slaughter, G.A., ORNL*

4. *Zucker, A., ORNL*

5. *Bromley, D.A., Yale*

6. *Lauritsen, T., Caltech*

7. *Johnson, N.R., ORNL*

8. *Gross, E., ORNL*

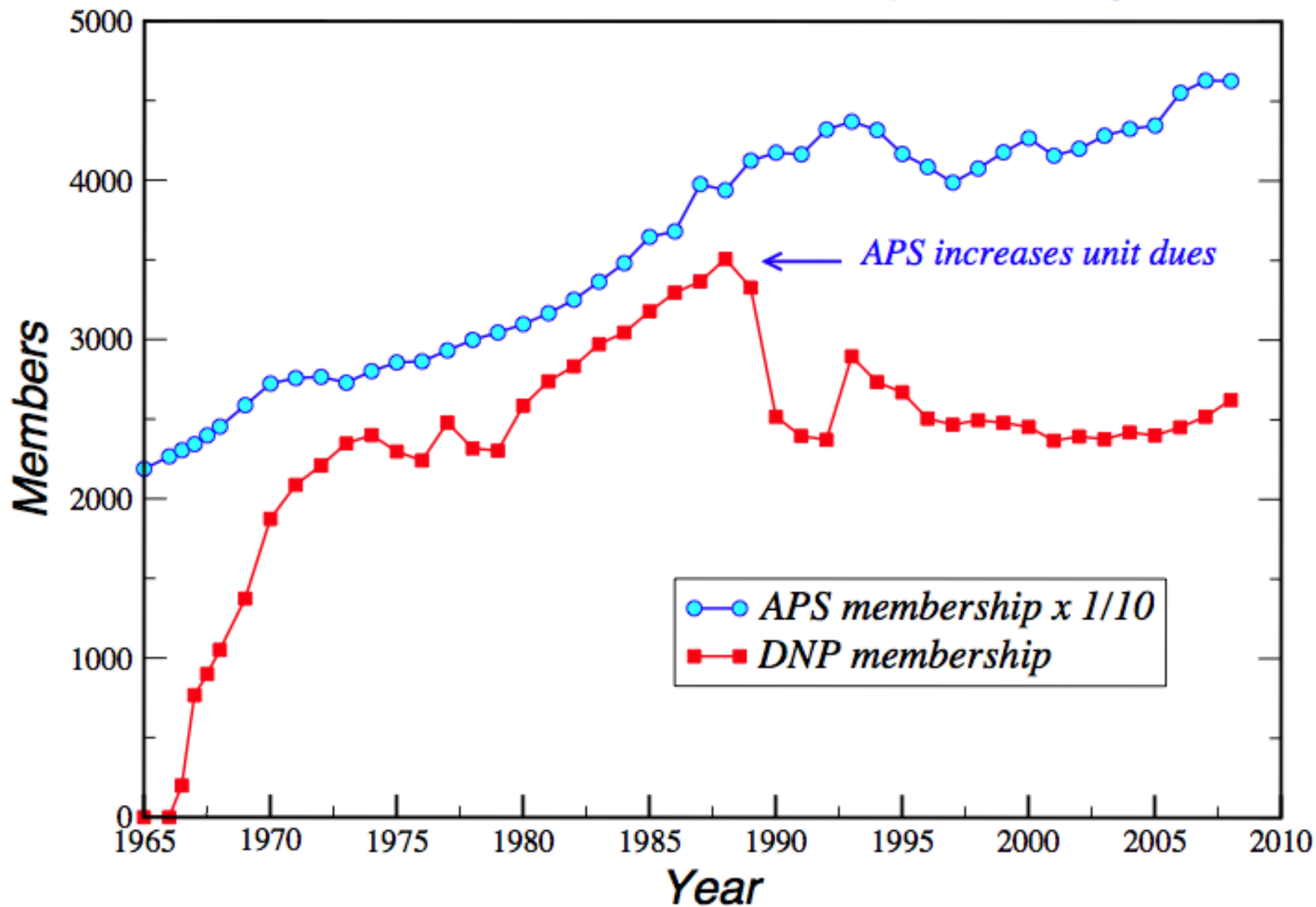
9. *Koch, H., Natl. Bureau of Standards*

10. *Cocker, W., University of Georgia*

11. *Satchler, G. R., ORNL*

*July 6, 1966*

# APS/DNP Membership History





- **FIRST DNP MEETING WISCONSIN, OCTOBER 23-25, 1967**

*(IN THE BEGINNING SESSIONS WERE ORGANIZED AT TWO GENERAL APS MEETINGS PER YEAR, TYPICALLY IN NEW YORK, AND WASHINGTON, PLUS A TOPICAL CONFERENCE IN THE FALL.)*

- **EVOLVED INTO TWO MEETINGS PER YEAR**

- **FOUR NEWSLETTERS PER YEAR**

- **COMMITTEES**

*EXECUTIVE*

*PROGRAM*

*TOM BONNER PRIZE*

*HANS BETHE PRIZE*

*DISSERTATION AWARD COMMITTEE*

*NUCLEAR SCIENCE RESOURCES AND FUNDING COMMITTEE*

*FELLOWSHIP*

*NOMINATING*

*APS NOMINATIONS*

*PUBLICATION*

*EDUCATION*

*NATIONAL NUCLEAR PHYSICS SUMMER SCHOOL*

*HOME PAGE*

*SERVICE AWARD*

*MENTORING AWARD*

## **Workshop History**

- **THE DNP WORKSHOPS BEGAN WITH THE 1986 FALL MEETING AT VANCOUVER.**
- **WORKSHOPS WERE ORIGINALLY INDEPENDENTLY, LOCALLY ORGANIZED BUT EVOLVED INTO AN INTEGRAL PART OF THE FALL MEETING.**

## **Plenary Sessions History**

- **THE DNP PLENARY SESSIONS BEGAN WITH THE 1986 FALL MEETING IN VANCOUVER. PLENARY SESSIONS ARE HELD WITH NO OTHER SESSION IN PARALLEL.**
- **A PLENARY SESSION OPENED THE MEETING AND WAS TYPICALLY MADE UP OF FOUR SPEAKERS WHO ADDRESSED ONE ASPECT OF THAT YEAR'S THEME.**
- **A SECOND PLENARY SESSION WAS IN THE STYLE OF A "TOWN FORUM" AND WAS HELD THE NEXT AFTERNOON TO EXPLORE ISSUES RAISED BY THE PLENARY SPEAKERS.**

## **Town Meeting History**

- **THE DNP "TOWN FORUM" SESSION EVOLVED INTO A VENUE TO FACILITATE INVOLVING THE COMMUNITY IN DETERMINING THE DIRECTION OF THE FIELD.**
- **THE CONCEPT OF DNP ORGANIZED "TOWN MEETINGS" TO PROVIDE INPUT TO NSAC AND THE AGENCIES RESULTED FROM A DISCUSSION AT THE COYOTE CAFE BETWEEN S.E KOONIN, R.A. EISENSTEIN, AND V.R. BROWN FOLLOWING THE 1989 FALL MEETING AT SANTA FE.**
- **THE AGENCIES HAD CALLED FOR A 1990 LONG RANGE PLAN, BUT THE TIMING WAS OUT OF SYNC WITH THE 1990 FALL MEETING; IT WAS DETERMINED AT THE COYOTE CAFE THAT THE DNP WOULD ORGANIZE A NUMBER OF PARALLEL MEETINGS AROUND THE COUNTRY.**
- **THUS BEGAN THE SUCCESSFUL MODEL LONG RANGE PLAN TOWN MEETINGS.**

## *DNP Fall Meeting History*

| Year | Location                        | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|---------------------------------|-----------------------|----------------|--------------------|---------------------|----------|
| 1967 | Madison                         | 188                   | 25             | 474                |                     | \$ 5     |
| 1968 | Miami Beach<br>(joint with APS) | 348                   | 21             | 1094 (Total)       |                     |          |
| 1969 | Boulder                         | 295                   | 21             | 554                |                     |          |
| 1970 | Houston                         | 255                   | 23             | 424                |                     |          |
| 1971 | Tucson                          | 235                   | 24             | 334                |                     |          |
| 1972 | Seattle                         | 246                   | 24             | 398                |                     |          |

## *DNP Fall Meeting History*

| Year | Location     | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|--------------|-----------------------|----------------|--------------------|---------------------|----------|
| 1973 | Bloomington  | 300                   | 22             | 455                |                     |          |
| 1974 | Pittsburgh   | 291                   | 25             | 448                |                     |          |
| 1975 | Austin       | 236                   | 21             | 306                |                     |          |
| 1976 | East Lansing | 298                   | 20             | 485                |                     |          |
| 1977 | Rochester    | 259                   | 20             | 427                |                     |          |
| 1978 | Asilomar     | 250                   | 20             | 430                |                     |          |

## *DNP Fall Meeting History*

| Year | Location    | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|-------------|-----------------------|----------------|--------------------|---------------------|----------|
| 1979 | Knoxville   | 263                   | 20             | 468                |                     | \$20     |
| 1980 | Minneapolis | 150                   | 21             | 273                |                     |          |
| 1981 | Asilomar    | 307                   | 20             | 427                |                     |          |
| 1982 | Amherst     | 222                   | 22             | 335                |                     |          |
| 1983 | Notre Dame  | 191                   | 20             | 345                |                     |          |
| 1984 | Nashville   | 163                   | 19             | 339                |                     |          |
| 1985 | Asilomar    | 219                   | 20             | 395                |                     |          |

## *DNP Fall Meeting History*

| Year | Location         | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|------------------|-----------------------|----------------|--------------------|---------------------|----------|
| 1986 | Vancouver        | 194                   | 20             | 406                | 149                 | \$40     |
| 1987 | New Brunswick    | 222                   | 25             | 418                | 107                 | \$50     |
| 1988 | Santa Fe         | 280                   | 27             | 628                | 267                 | \$50     |
| 1989 | Asilomar         | 238                   | 21             | 529                | 162                 | \$70     |
| 1990 | Urbana-Champaign | 193                   | 24             | 478                | 141                 | \$80     |
| 1991 | East Lansing     | 240                   | 24             | 535                | 210                 | \$80     |
| 1992 | Santa Fe         | 353                   | 32             | 783                | 406                 | \$80     |

## *DNP Fall Meeting History*

| Year | Location     | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|--------------|-----------------------|----------------|--------------------|---------------------|----------|
| 1993 | Asilomar     | 351                   | 25             | 644                | 276                 | \$80     |
| 1994 | Williamsburg | 242                   | 29             | 614                | 187                 | \$90     |
| 1995 | Bloomington  | 193                   | 23             | 524                | 173                 | \$100    |
| 1996 | Cambridge    | 274                   | 25             | 604                | 166                 | \$115    |
| 1997 | Whistler     | 325                   | 24             | 525                | 250                 | \$125    |
| 1998 | Santa Fe     | 338                   | 27             | 768/50             | 310                 | \$125    |
| 1999 | Asilomar     | 349                   | 26             | 630/62             | 180                 | \$125    |

## *DNP Fall Meeting History*

| Year | Location     | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|--------------|-----------------------|----------------|--------------------|---------------------|----------|
| 2000 | Williamsburg | 329                   | 26             | 749/74             | 330                 | \$125    |
| 2001 | Maui         | 565                   | 30             | 722/65             |                     | \$125    |
| 2002 | East Lansing | 321                   | 30             | 599/72             | 146                 | \$135    |
| 2003 | Tucson       | 345                   | 29             | 582/62             | 135                 | \$140    |
| 2004 | Chicago      | 378                   | 29             | 660/83             | 199                 | \$165    |
| 2005 | Maui         | 567                   | 28             | 801/91             | ~300                | \$200    |
| 2006 | Nashville    | 382                   | 24             | 637/89             | 137                 | \$175    |



## *DNP Fall Meeting History*

| Year | Location      | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|---------------|-----------------------|----------------|--------------------|---------------------|----------|
| 2007 | Newport News  | 374                   | 29             | 661/90             | 172                 | \$200    |
| 2008 | Oakland       | 408                   | 28             | 694/106            | 156                 | \$200    |
| 2009 | Waikaloa      | 656                   | 28             | 1009/129           | ~500                | \$300    |
| 2010 | Santa Fe      | 391                   | 28             | 731/125            | 220                 | \$250    |
| 2011 | East Lansing  | 401                   | 28             | 747/134            | 168                 | \$250    |
| 2012 | Newport Beach | xxx                   | xx             | xxx/yy             | xxx                 |          |
| 2013 | Newport News  | xxx                   | xx             | xxx/yy             | xxx                 |          |

## *DNP Fall Meeting History*

| Year | Location | Contributed Abstracts | Invited Papers | Meeting Attendance | Workshop Attendance | Reg. Fee |
|------|----------|-----------------------|----------------|--------------------|---------------------|----------|
| 2014 | Waikoloa |                       |                |                    |                     |          |
| 2015 | Santa Fe |                       |                |                    |                     |          |
| 2016 |          |                       |                |                    |                     |          |
| 2017 |          |                       |                |                    |                     |          |
| 2018 |          |                       |                |                    |                     |          |
| 2019 |          |                       |                |                    |                     |          |
| 2020 |          |                       |                |                    |                     |          |

# **DNP OUTREACH ACTIVITIES**

## ***OFTEN BREAKING NEW GROUND***

**COMMUNICATIONS: CONGRESS, AGENCIES, OTHER DISCIPLINES, EDUCATION, GENERAL PUBLIC, ...**

- **NUCLEAR PHYSICS RESOURCE COMMITTEE, EVOLVED INTO THE DNP FUNDING COMMITTEE**
  - CONGRESSIONAL VISITS (DINNER FOR CONGRESSIONAL STAFF PLUS OTHERS)**
  - REPORTS ON CONGRESSIONAL BUDGET PROCESS**
  - TOWN MEETING VENUE FOR REPORTS TO THE MEMBERSHIP**
- **DNP TOWN HALL MEETINGS (AN OPEN FORUM FOR MEMBER INPUT ON FUTURE DIRECTIONS)**
- **DNP INVOLVEMENT IN NSAC LONG RANGE PLANNING PROCESS**
- **DNP BROCHURES**
  - “ “ (1970s)**
  - “NUCLEAR PHYSICS SERVING SOCIETY” (1990s)**
  - “JOURNEY INTO THE HEART OF MATTER” (2000s)**
- **HIGH SCHOOL DAY AT THE MEETING (TEACHERS, PHYSICS OLYMPICS, ...)**
- **TUTORIALS AT GENERAL MEETING**
- **PUBLIC LECTURES: SPEAKER FOR NON PHYSICIST LOCAL AUDIENCE AT THE MEETING**
- **CONFERENCE4 EXPERIENCE FOR UNDERGRADUATES (CEU) AT THE DIVISIONAL MEETING**
- **NOBEL POSTER, CPEP NUCLEAR SCIENCE WALL CHART**
- **FIRST (NOW RECURRING) APS UNIT JOINT MEETING: DNP AND PHYSICAL SOCIETY OF JAPAN, 2001**

# ***DNP Serving the APS***

## **APS PRESIDENTS (NUCLEAR/DNP)**

**1948 R. OPPENHEIMER**

**1950 I. RABI**

**1953 E. FERMI**

**1954 H. BETHE**

**1956 E. WIGNER**

**1960 V. WEISSKOPF**

**1965 F. BLOCK**

**1966 J. WHEELER**

**1969 L. ALVAREZ**

**1971 R. SERBER**

**1974 W. PANOFSKY**

**1975 C. WU**

**1976 W. FOWLER**

**1978 N. RAMSEY**

**1980 H. FESHBACH**

**1982 M. GOLDBERGER**

**1983 R. MARSHAK**

**1985 R. WILSON**

**1992 E. HENLEY**

**1997 D. BROMLEY**

**1998 A. SESSLER**

**2001 G. TRILLING**

**2006 J. BAHCALL**

## **APS EXECUTIVE BOARD**

**1992-1994 R. A. EISENSTEIN**

**1996-1998 V. R. BROWN**

**1997-1999 S. J. SEESTROM**

**2002-2005 B. C. CLARK**

**2002-2005 J. P. VARY**

**2007-2009 A. B. BALANTEKIN**

**2007-2009 D. J. ERNST**

**2008-2010 E. J. BEISE**

# ***DNP Serving the APS***

## **APS NOMINATING COMMITTEE CHAIR**

**1983 E. HENLEY**  
**1984 E. BARANGER**  
**1987 N. BENCZER-KOLLER**  
**1997 G. CRAWLEY**  
**1998 W. HAXTON**  
**2000 M. TURNER**  
**2003 S. SEESTROM**

## **APS PANEL ON PUBLIC AFFAIRS CHAIR**

**1975-1976 P. MORSE**  
**1976-1977 H. FESHBACH**  
**1980 L. ROSEN**  
**1988 A. SESSLER**  
**2006 E. MONIZ**  
**2007 R. EISENSTEIN**

# ***DNP Serving the APS***

## **COUNCILLORS-AT-LARGE (1980-1994)**

**1980-1983 N. BENCZER-KOLLER**

**1983-1986 H. H. BARSCHALL**

**1986-1989 J. L. MATTHEWS**

**1991-1994 R. A. EISENSTEIN**

## **GENERAL COUNCILLORS (1992-PRESENT)**

**1992-1995 W. C. HAXTON**

**1993-1996 J. A. CIZEWSKI**

**1995-1998 V. R. BROWN**

**1996-1999 S. J. SEESTROM**

**2000-2003 S. J. FREEDMAN**

**2007-2010 E. J. BEISE**

## **DNP UNIT COUNCILLORS (SINCE 1967)**

**1967-1970 D. A. BROMLEY**

**1970-1973 J. L. FOWLER**

**1974-1977 H. FESHBACH**

**1978-1981 S. S. HANNA**

**1982-1985 E. M. HENLEY**

**1986-1989 S. M. AUSTIN**

**1990-1993 G. T. GARVEY**

**1992-1995 S. E. KOONIN**

**1994-1997 P. PAUL**

**1996-1999 J. P. SCHIFFER**

**1998-2001 D. J. WALECKA**

**2002-2005 B. C. CLARK**

**2006-2009 A. B. BALANTEKIN**

**2010-2013 W. C. HAXTON**

## ***Tom W. Bonner Prize in Nuclear Physics***

***The annual prize was established in 1964 as a memorial to Tom W. Bonner by his friends, students and associates. The first award was made in 1965.***

***Purpose:*** The purpose of this prize is to recognize and encourage outstanding experimental research in nuclear physics, including the development of a method, technique, or device that significantly contributes in a general way to nuclear physics research. Nominations are open to physicists whose work in nuclear physics is primarily experimental, but a particularly outstanding piece of theoretical work may take precedence over experimental work.

***Nature:*** The prize consists of \$10,000 and a certificate citing the contributions made by the recipient. It will be presented annually. There is no time limitation on when the work was performed. The prize shall be awarded ordinarily to one person, but a prize may be shared among recipients when all the recipients have contributed to the same accomplishment(s). Nominations remain active for three years.

***Selection Committee:*** The APS appoints the selection committee members from suggestions made by the DNP Executive Committee.

## **Winners of the Tom W. Bonner Prize**

|      |   |      |   |
|------|---|------|---|
| 1965 | <i>H. H. Barschall</i>                          | 1991 | <i>Peter J. Twin</i>                          |
| 1966 | <i>R. J. Van de Graaff</i>                      | 1992 | <i>Henry G. Blosser and Robert E. Pollock</i> |
| 1967 | <i>C. C. Lauritsen</i>                          | 1993 | <i>Akito Arima and Francesco Iachello</i>     |
| 1968 | <i>R. G. Herb</i>                               | 1994 | <i>Ernest K. Warburton</i>                    |
| 1969 | <i>Gregory Breit</i>                            | 1995 | <i>Felix Boehm</i>                            |
| 1970 | <i>W. A. Fowler</i>                             | 1996 | <i>John Dirk Walecka</i>                      |
| 1971 | <i>M. Goldhaber</i>                             | 1997 | <i>Hamish Robertson</i>                       |
| 1972 | <i>John D. Anderson and Donald Robson</i>       | 1998 | <i>Joel M. Moss</i>                           |
| 1973 | <i>H. Feshbach</i>                              | 1999 | <i>Vijay Raghunath Pandharipande</i>          |
| 1974 | <i>Denys Wilkinson</i>                          | 2000 | <i>Raymond G. Arnold</i>                      |
| 1975 | <i>Chien-Shiung Wu</i>                          | 2001 | <i>Richard Geller and Claude Lyneis</i>       |
| 1976 | <i>John P. Schiffer</i>                         | 2002 | <i>J. David Bowman</i>                        |
| 1977 | <i>Stuart T. Butler and G. Raymond Satchler</i> | 2003 | <i>Arthur Bruce McDonald</i>                  |
| 1978 | <i>Sergei Polikanov and V. M. Strutinsky</i>    | 2004 | <i>George Bertsch</i>                         |
| 1979 | <i>Roy Middleton and Willy Haeberli</i>         | 2005 | <i>Roy James Holt</i>                         |
| 1980 | <i>Frank S. Stephens and Richard M. Diamond</i> | 2006 | <i>Ian Towner and John Hardy</i>              |
| 1981 | <i>Bernard L. Cohen</i>                         | 2007 | <i>Stuart J. Freedman</i>                     |
| 1982 | <i>G. E. Brown</i>                              | 2008 | <i>Arthur M. Poskanzer</i>                    |
| 1983 | <i>Charles D. Goodman</i>                       | 2009 | <i>Robert D. McKeown</i>                      |
| 1984 | <i>Harald A. Enge</i>                           | 2010 | <i>Robert B. Wiringa and Steven C. Pieper</i> |
| 1985 | <i>Eric G. Adelberger</i>                       | 2011 | <i>Richard F. Casten</i>                      |
| 1986 | <i>Lowell M. Bollinger</i>                      |      |   |
| 1987 | <i>Bernard Frois and Ingo Sick</i>              |      |   |
| 1988 | <i>Raymond Davis, Jr</i>                        |      |   |
| 1989 | <i>Ernest M. Henley</i>                         |      |   |
| 1990 | <i>Vernon Hughes</i>                            |      |   |

For citations see APS website



## **Hans A. Bethe Prize**

***This annual prize was established in 1996 by the Division of Astrophysics, the Division of Nuclear Physics, and friends of Hans A. Bethe to honor him for his outstanding and numerous accomplishments in both astrophysics and nuclear physics. The prize was announced at Bethe's 90th birthday celebration at Cornell. The first award was made in 1998.***

***Purpose:*** The purpose of this prize is to recognize outstanding work in theory, experiment or observation in the areas of astrophysics, nuclear physics, nuclear astrophysics, or closely related fields.

***Nature:*** The prize consists of \$10,000 and a certificate citing the contributions made by the recipient. It will be presented annually. There is no time limitation on when the work was performed. Nominations remain active for three years.

***Selection Committee:*** The APS appoints the selection committee members from suggestions made by the DAP and DNP Executive Committees.

## ***Winners of the Hans A. Bethe Prize***

- 1998 John Norris Bahcall***
- 1999 Edwin Ernest Salpeter***
- 2000 Igal Talmi***
- 2001 Gerald E. Brown***
- 2002 Gordon Baym***
- 2003 Michael C.F. Wiescher***
- 2004 Wick Haxton***
- 2005 Stan Woosley***
- 2006 Alastair G.W. Cameron***
- 2007 James R. Wilson***
- 2008 Friedrich K. Thielemann***
- 2009 David Arnett***
- 2010 Claus Rolfs***
- 2011 Christopher J. Pethick***

For citations see APS website

## ***Dissertation Award in Nuclear Physics***

***The annual award was established in 1985 by members and friends of the Division of Nuclear Physics of the APS. The first award was made in 1986.***

***Purpose:*** The purpose of this award is to recognize a recent Ph.D. in nuclear physics. Nominations are open to any person who has received a Ph.D. degree in experimental or theoretical nuclear physics from a North American university within the two-year period preceding the award.

***Nature:*** The award consists of \$2,500 and a certificate citing the contributions made by the recipient. It was given bi-annually until becoming an annual award with the 1999 selection. The prize shall be awarded ordinarily to one person, but a prize may be shared among recipients when there is more than one outstanding dissertation. Nominations are active for the two-year period of eligibility.

***Selection Committee:*** The DNP Chair serves as the chair of the committee; the Past DNP Chair serves as a member. The advisor of a recent recipient serves a one-year term. The remaining two members, appointed by the DNP Chair from suggestions made by the DNP Executive Committee, serve staggered two-year terms.

## ***Winners of the Dissertation Award in Nuclear Physics***

- 1986** *B. M. Sherrill and W. J. Burger*  
**1988** *T. E. Cowan*  
**1990** *M. J. Musolf*  
**1992** *J. E. Koster*  
**1994** *Z. Zhao*  
**1996** *G. J. Schmid*  
**1998** *Y. G. Kolomwinsky*  
**1999** *E. Hawker*  
**2000** *J. Arrington*  
**2001** *D. W. Bardyan*  
**2002** *J-W. Chen*  
**2003** *K. Heeger*  
**2004** *A. Steiner*  
**2005** *A. Kurylov*  
**2006** *L-B. Wang*  
**2007** *K. Miknatis and M. Djordjevic*  
**2008** *N. Tolich and D. Choudhury*  
**2009** *S. M. Clayton and T. I. Banks*  
**2010** *C. R. Hoffman*  
**2011** *M. Luzum and H. Song*

For citations see APS website

## ***DNP Distinguished Service Award***

***The Division of Nuclear Physics established the DNP Distinguished Service Award in 2002. The first award was made at the 2003 DNP Fall Meeting in Tucson.***

***Purpose:*** This APS Unit Award is intended to recognize those who have made substantial and extensive contributions to the nuclear physics community through the activities of the DNP.

***Nature:*** The award will consist of a certificate with the citation specified by the selection committee and approved by the DNP Executive Committee. Nominees should be active or emeritus members of the DNP. There are no time limitations on contributions that can be recognized by this award. Nominations will remain active for three years. The award need not to be given each year. No more than two recipients will be selected in a given year.

***Selection committee:*** The selection committee will consist of the DNP Chair, Chair-Elect, Vice-Chair, Past-Chair, and Secretary-Treasurer. The DNP Chair will serve as the chair of the selection committee.

## ***Winners of the DNP Distinguished Service Award***

- 2003 Virginia R. Brown***
- 2004 Ernest M. Henley***
- 2005 Bunny C. Clark***
- 2006 Noemie Benzcer Koller***
- 2007 Benjamin F. Gibson***
- 2008 No Award***
- 2009 Warren F. Rogers***
- 2010 A. Baha Balantekin***
- 2011 John P. Schiffer***

## *Citations for the DNP Distinguished Service Award*

### ***2003 Virginia R. Brown***

"For substantial and extensive contributions to the nuclear physics community through her commitment to the Division of Nuclear Physics, particularly for her very successful efforts to strengthen the financial standing of the Division, for building up the divisional archive, and for her role in bringing to fruition the historic first joint meeting of the nuclear physicists of the American and Japanese Physical Societies as the Chair of HAWAII 2001."

### ***2004 Ernest M. Henley***

"For his exceptional leadership of the Division of Nuclear Physics, his sage advice to the Division and the American Physical Society, his creative efforts in science outreach and his vigorous leadership in the creation of the Hans Bethe Prize and the Nuclear Physics Dissertation Award."

### ***2005 Bunny C. Clark***

"For her exceptional contributions to the Division of Nuclear Physics, her leadership of the Division and of the American Physical Society on behalf of the Division, and her tireless effort to promote science and the status of women in nuclear physics, including the initiation of many programs to enhance the participation of under-represented groups in nuclear science."

### ***2006 Noemie Benzcer Koller***

"For her sustained and exceptional contributions to the Division of Nuclear Physics and to the American Physical Society on behalf of the Division, for her creative promotion of education and the climate for women in nuclear science, and for her vigorous efforts to develop the Division's initial Nuclear Physics brochure and to fund the Bonner Prize."

## *Citations for the DNP Distinguished Service Award*

### ***2007 Benjamin F. Gibson***

"For his sustained and extraordinary contributions to the Division of Nuclear Physics that have enhanced its vitality, ensured its success, and have always been carried out with professionalism, integrity, and civility."

### ***2009 Warren F. Rogers***

"For his tireless effort in initiating and sustaining the Division of Nuclear Physics' Conference Experience for Undergraduates program that has so successfully connected the DNP membership with the undergraduate research experience, enhanced the appeal and visibility of nuclear physics, and inspired undergraduates to continue their education in graduate physics programs at universities throughout the country."

### ***2010 A. Baha Balantekin***

"For his sustained and extensive contributions to the Division of Nuclear Physics over two decades that have enhanced its strength and vitality, especially in areas such as education and communication, while promoting its relationship with the American Physical."

### ***2011 John P. Schiffer***

"For his decades of exemplary service to the Division of Nuclear Physics, which have enhanced the vibrancy and vitality of the Division as a unit of the American Physical Society, for his efforts on behalf of younger colleagues, for his contributions that have strengthened the Bonner and Bethe prizes, and for his sage advice in faithful service on countless advisory committees and review panels."



## ***DNP Mentoring Award***

***The Division of Nuclear Physics established the DNP Mentoring Award in 2007. The first award was approved in 2008 DNP, although the presentation was delayed from the Fall Meeting in Oakland until the APS April 2009 Meeting in Denver at the request of the awardee.***

***Purpose:*** This APS Unit Award is intended to recognize and encourage those who have had an exceptional impact as mentors of nuclear scientists and students. This Mentoring could involve teaching, research, or science related activities.

***Nature:*** The award will consist of a certificate with the citation specified by the selection committee and approved by the DNP Executive Committee. Nominees shall be active or emeritus members of the DNP. There are no time limitations on contributions that can be recognized by this award. Nominations will remain active for three years. The award need not to be given each year. No more than two recipients will be selected in a given year.

***Selection committee:*** The selection committee consists of the DNP Past Chair, the Chair of the Ad Hoc Education Committee (or alternate if there is no Education Committee in place), a recent winner of the award, and two additional members selected by the DNP Chair with advice from the DNP Executive Committee. The DNP Past Chair will serve as the chair of the selection committee.

## ***Winners of the DNP Mentoring Award***

***2008 William Bertozzi***

***2009 Richard F. Casten***

***2010 Gary E. Mitchell***

***2011 Gerald T. Garvey***

## *Citations for the DNP Mentoring Award*

### ***2008 William Bertozzi***

"For an extraordinary career in mentoring and educating young scientists in experimental nuclear physics over five decades at the Massachusetts Institute of Technology. He has supervised more than fifty graduate students who are pursuing careers worldwide in teaching, research, business, and administration; twenty have become tenured physics faculty."

### ***2009 Richard F. Casten***

"For his outstanding commitment to mentoring women in nuclear science and preparing them for leadership roles."

### ***2010 Gary E. Mitchell***

"For his inspired, untiring, and selfless mentoring of an exceptionally large number of students, of diverse backgrounds, from their student days throughout their careers; for his ability to see the differing needs, interests, and skills of every one, tailoring his approach to each as a unique individual and a colleague; for his extensive pro-bono mentoring of many who were not his students, enhancing further his lifelong record of devotion to the educational process."

### ***2011 Gerald T. Garvey***

"For his remarkable record of mentorship of students and young scientists in nuclear physics. His high intellectual standards and enthusiasm for physics have inspired several generations of nuclear scientists, many of whom went on to provide leadership in expanding the frontiers of the field."