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**TO: Members of the Division of Nuclear Physics, APS**  
**FROM: Benjamin F. Gibson, LANL – Secretary-Treasurer, DNP**

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**ACCOMPANYING THIS NEWSLETTER:**

- A ballot for the DNP Election



Charles Glashausser  
T. James M. Symons

**Secretary-Treasurer:**

Benjamin F. Gibson

**Executive Committee** (three positions):

Kees de Jager  
Jerry Draayer  
Barry Holstein  
Guy Savard  
Robert Tribble  
Michael Wieschser

Candidate biographies are included.

**Future Deadlines**

- **14 January 2000** — Abstract deadline for spring meeting
- **31 January 2000** — DNP Election Ballot
- **18 February 2000** — Early registration for spring meeting
- **31 March 2000** — Housing deadline for spring meeting
- **1 April 2000** — Nominations for Fellowship

**WWW Home Page for DNP**

A worldwide web home page for the Division of Nuclear Physics is currently available at "<http://www.phy.anl.gov/dnp/>". Each newsletter is posted on the web, in advance of the copy you receive in the mail. Other information of interest to DNP members, such as deadlines for meetings, prizes, nomination forms, and special announcements are listed there as well. We would like to hear your comments and suggestions. Please send them to Bob Wiringa at "[dnp@theory.phy.anl.gov](mailto:dnp@theory.phy.anl.gov)".

**1. ELECTION OF OFFICERS AND EXECUTIVE COMMITTEE FOR 2000**

The terms of the officers and three members of the current Executive Committee will expire at the close of the regular meeting of the Division to be held in conjunction with the APS general meeting in Long Beach, California, 29 April – 2 May 2000. R. G. Hamish Robertson will become Chair, Joel M. Moss will become Chair-Elect, and Walter F. Henning will become Past-Chair. J. Dirk Walecka will continue as Divisional Councilor. Christopher R. Gould, Brian Serot, and T. James M. Symons will remain members of the Executive Committee. A Vice-Chair, Secretary-Treasurer, and three members of the Executive Committee are to be elected before April 2000.

This year's Nominating Committee consists of A. M. Nathan (Chair), W. Nazarewicz (Vice Chair), H. Jackson, P. Vogel, and J. D. Walecka. The candidates selected by the Nominating Committee and approved by the Executive Committee are:

**Vice-Chair** (one position):

The enclosed ballot must be signed and may be returned in the enclosed envelope with your name and address printed or signed legibly in the upper left-hand corner of the envelope. The ballot must be received by Benjamin F. Gibson on or before 31 January 2000 in order to be counted.

As a DNP member, please exercise your right to vote for candidates in the DNP election. Typically only about 800 election ballots are mailed in by members. Your vote counts. It is important. Vice-Chair and Executive Committee races have been decided by fewer than 10 votes.

**INSIDE . . .**

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- **DNP Prizes and Awards**
- **DNP Election Candidate Biographies**

## 2. COMMITTEES

Additions and corrections to the committee lists published in the August Newsletter:

### Program Committee

R. G. H. Robertson, U. Washington (**Chair**)  
Joel M. Moss, LANL (**Vice Chair**)  
W. F. Henning, ANL (**Past-Chair, 1998**)  
S. J. Freedman (**Past-Chair, 1997**)  
B. F. Gibson, LANL (**Secretary-Treasurer**)  
C. Britt, LLNL/NSF  
T. Glasmacher, MSU  
M. Gyulassy, Columbia U.  
E. V. Hungerford, U. Houston  
C. Johnson, LSU  
K. T. Lesko, LBNL  
N. C. R. Makins, U. Illinois  
H-O. Meyer, Indiana U.  
F. Myhrer, U S. Carolina  
Shelley Page, U. Manitoba  
M. Savage, U. Washington  
G. Savard, ANL  
R. K. Seto, UC Riverside  
S. J. Wallace, U. Maryland  
R. R. Whitney, TJNAF

### 2000 Hans Bethe Prize Committee

J. D. Walecka, Chair (12/99)  
R. V. Wagoner, Vice Chair (12/00)  
W. C. Haxton, DAP Member (12/99)  
A. B. Balantekin, DNP Member (12/00)  
E. E. Salpeter, 1999 Prize Winner (12/99)

### 2000 Public Information Committee

S. M. Austin  
E. Beise  
T. J. Bowles  
B. C. Clark, Chair  
J. G. Cramer  
G. T. Garvey  
T. Hallman  
E. M. Henley  
K. T. Lesko  
M. A. Riley

## 3. REPORT ON THE DNP FALL MEETING IN ASILOMAR, CA, 20–23 OCTOBER 1999

The Annual Fall Meeting of the Division of Nuclear Physics, including two workshops, was held 20–23 October 1999 at the Asilomar Conference Grounds in Pacific Grove, California. The popular conference site located on the California coast provided the serene venue for this year's meeting with the usual excellent fall weather.

The DNP Executive Committee is pleased to acknowledge the planning, hard work, and congenial hospitality of our Lawrence Berkeley National Laboratory hosts for the meeting. Special thanks go to Kevin Lesko, chair of the Local Organizing Committee, and to Mollie Field who served as meeting coordinator. In addition, we are grateful to Anne Marie Piche, Barbara Malfatti, Jeanne Bowles, Julie Southworth, and Gail Harper for the long hours spent in preparing for the meeting

and manning the registration tables. Members of the Local Organizing Committee were Brian Fujikawa, Spencer Klein, Kevin Lesko (Chair) Augusto Macchiavelli, and Doug Olson.

Registered participants at the meeting totaled 630, including 62 undergraduates participating in the Conference Experience for Undergraduates (CEU) program which was organized by Warren Rogers of Westmont College (Santa Barbara). More than 180 registered for the two workshops on the Wednesday that preceded the main meeting. The first was “Quark and Lepton Mixing: The CKM Matrix and Beyond,” organized by Brian Fujikawa (LBNL), John Beacom (Caltech), Alan Poon (LBNL), and Tom Steiger (U. Washington). The workshop was designed to give a pedagogical introduction to quark and lepton mixing, with an emphasis on the low-energy road to physics beyond the Standard Model. The session was composed of four talks on quark mixing, four on neutrino mixing, and a coda talk on both.

The quark mixing talks were:

- “Quark Mixing Angles: A Pedagogical Review” (Barry Holstein, U. Mass.)
- “The Current Status of  $V_{ud}$ ” (John Hardy, Texas A&M)
- “Future Measurements of CKM Matrix Elements” (Stuart Freedman, UC Berkeley/LBNL)
- “CKM Matrix Elements for the Heavy Quarks” (Roberto Peccei, UCLA)

The lepton mixing talks were:

- “Why Do We Think Neutrinos Have Mass? And Who Cares?” (Hitoshi Murayama, UC Berkeley/LBNL)
- “Review of Neutrino Oscillation Experimental Results” (Steven Elliott, U. Washington)
- “Future Facilities for Neutrino Oscillation Experiments” (Maury Goodman, ANL)
- “Astrophysical Probes for Neutrino Mixings” (Yong-Zhong Qian, U. Minn.)

The coda talk was:

- “Quark and Lepton Mixing and Physics Beyond the Standard Model” (William Marciano, BNL)

About 70 people attended the pre-meeting workshop on “Structure Functions of Heavy Nuclei at RHIC.” The workshop was designed to introduce graduate students, postdocs, and more experienced physicists with lower energy backgrounds to the partonic structure of nuclei that will be important at RHIC. Steve Kuhlman and David C Williams introduced the theoretical and experimental aspects of parton distributions in single nucleons. Lee Sorrell discussed polarized parton distributions, and Don Geesaman explained how these distributions change inside of nuclei. Jamal Jalilian-Marian and Ina Sarcevic discussed the low- $x$  region, where classical fields could describe the partons. Ramona Vogt explained how these distributions affect heavy ion collisions, and Joel Moss concluded by explaining how RHIC will contribute to our knowledge of parton distributions. Spencer Klein and Ramona Vogt organized the workshop.

The Plenary Session which opened the meeting on Thursday, “Physics in a New Era: The National Research Council Decadal Survey,” was organized by DNP Chair Walter Henning. Speakers included Hugh Montgomery of Fermilab, John Schiffer from Argonne, Daniel Kleppner of MIT, Venkatesh Narayanamurti from Harvard, and David Arnett from the University of Arizona. In addition, there were 27 invited talks. The Program Committee, chaired by Hamish Robertson,

organized two invited sessions. Another two invited sessions were selected by ballot of the Program Committee from nominations by the DNP membership and arranged into coherent sessions by Hamish Robertson. The Local Organizing Committee organized a fifth invited session. The five invited sessions covered a range of topics: (1) "The Atomic Nucleus at the Limits: Highlights from Large Gamma-ray Detector Arrays," (2) "Progress in Neutrino Physics and the Structure of Nuclei," (3) "Experiments with Short-Lived Nuclei," (4) "Frontiers in the Composition of Matter," and (5) "Broken Symmetries in Nuclear Physics." Four Mini-Symposia were held during the meeting: (1) "New N\* Results I, II and III" (organized by Ed Hungerford), (2) "Next Generation Fundamental Physics with Cold Neutrons" (organized by Shelley Page), (3) "Fundamental Approaches to Nuclear Structure" (organized by Calvin Johnson), and (4) "Science with Next Generation Radioactive Beam Facilities" (organized by Guy Savard and Jerry Nolen). The Mini-Symposia and regular contributed paper sessions attracted 370 abstracts.

An undergraduate student poster session was held in conjunction with the Wednesday evening welcome reception and the 62 student posters served as the focus for the reception attendees. *Physical Review C* and *Physical Review Letters* hosted a drop-in hour on Thursday afternoon, where journal editors were available to answer questions and share concerns. User Group meetings (TJNAF, MIT Bates, Gammasphere, HRIBF, ATLAS, the 88-inch Cyclotron, and AGS/RHIC) were held on Thursday evening. The Business Meeting and Town Meetings for the Division of Nuclear Physics were held on Friday afternoon. A banquet at Asilomar's dining hall followed these meetings. On Saturday there was a special High School Teachers' program arranged by Peggy McMann, which included demonstrations and special lectures.

#### 4. CEU PROGRAM AT DNP99, W. Rogers

The second annual Conference Experience for Undergraduates (CEU) was held at the Fall 1999 DNP meeting at Asilomar, California. Sixty-one students from 44 schools from around the nation participated in the event, which included a Wednesday evening research poster session (combined with the DNP welcome reception), two afternoon talks in nuclear physics (given by Drs. Alejandro Garcia of Notre Dame and Barbara Jacak of SUNY Stonybrook) and a Friday noon "Graduate School Information Lunch" during which representatives from 15 universities met with students and discussed their graduate programs and provided information. In addition to these activities, students participated in the DNP meeting activities. All students were housed on the conference grounds, and funding assistance for travel, room, and board was provided by the National Science Foundation and the Department of Energy through the National Laboratories. The website <http://physics.westmont.edu/ceu99> contains additional information about the CEU program and includes several photos from CEU99.

CEU participants at DNP99, home institution (research institution if it should differ), and research advisor(s):

Asai, Toshiko	U. Washington	Mary Alberg
Banerji, Rudra	U. Ill. Urb.-Champ. (ANL)	Zheng-Tian Lu
Brink, Thomas	Rutgers (Yale)	Jolie Cizewski
Brown, Andy	Abilene Christian (LANL)	Donald Isenhower
Burg, Cecile	NYU (IUCF)	Georg Berg and Charles Foster
Conley, John	Colorado (BNL)	James Nagle
Denton, Mark	Central Ark. (SUNY SB)	Gene Sprouse
Deufel, Christopher	Wabash College (U. Washington)	Eric Adelberger
Donnelly, Sarah	U. Md (U. Conn.)	George Rawitscher

Eisenman, Kaury	Kalamazoo Math/Sci Center (NSCL)	Michael Thoennessen
Ellsworth, Jennifer	Wells College (IUCF)	Robert Pollock
Fackler, Thomas	Texas A&M	Henry Clark
Fiedler, James	Creighton (BNL)	Michael Cherney
Freeman, John	Colorado (BNL)	James Nagle
Gardner, Joe	U. Richmond (TJNAF)	Michael F. Vineyard
Glanville, Yvonne	SUNY SB	Barbara Jacak
Godber, Austin	Arizona State	Barry G. Ritchie
Goldbaum, Daniel	Ohio Wesleyan (IUCF)	Tim Londergan and David Murdock
Hayden, Shawn	Abilene Christian (BNL)	Michael E. Sadler
Hoffman, Loren	Caltech	Andreas Piepke
Hummel, Amy	Creighton (BNL)	Janet Seger
Jackson, Christopher	N. Florida (Florida State)	Sam Tabor
Johnson, Ben	Tennessee Tech (ORNL)	Raymond Kozub
Jur, Jesse	South Carolina (LBNL)	Rick Norman
Lakuriqi, Enke	Temple (TJNAF)	Zein-Eddine Meziani
Lee, Brian	U. Victoria (TRIUMF)	John Behr
Lee, Patty	Caltech (MIT/Bates)	Robert McKeown
Lennek, Michael	Alabama (MSU)	William Lynch
Lockner, Elizabeth	McGill (UNM)	Douglas E. Fields
Longbotham, Nathan	Abilene Christian	Donald Isenhower
Mahar, Kaitrin	Tennessee Tech (TUNL)	John F. Shriner Jr.
Matthews, Monica	Linfield Coll. (MSU/NSCL)	Vladimir Zelevinsky
Melo, Evelyn	US Naval Acad. (LANL)	Anna Hayes
Neff, Kailen	UC Davis (BNL)	Daniel Cebra
Oblath, Noah	Cornell (LBNL)	Kevin Lesko
Olliver, Heather	SUNY Geneseo	Stephen Padalino
Olsen, Michele	SUNY Geneseo	Charles Freeman
Opachich, Yekaterina	Contra Costa Coll. (LBNL)	Kevin Lesko
Patterson, Ryan	Caltech	Brad Filippone
Phillips, Sarah	Miss. State (TJNAF)	Allison Lung
Pooser, Raphael	NYU (IUCF)	Andy Bacher and Mark Picker
Ray, Will	Rice	Pablo Yepes
Rech, Gregory	UC Berkeley (LBNL)	Eric Norman
Reisner, Walter	Reed College (TUNL)	Christopher Gould
Robinson, Cory	Abilene Christian (BNL)	Michael Sadler
Rosenberg, Gabriel	Wheatley School (MIT)	David Cory
Ryan, Patrick	William & Mary (SLAC)	Keith Griffioen
Sandifer, Amanda	Idaho State (DUKE/TUNL/DFELL)	Kara Keeter
Sarlese, Justin	US Naval Acad. (LANL)	Anna Hayes
Savu, Veronica	Caltech (MIT/Bates)	Robert McKeown
Schwartz, Brook	SUNY Geneseo	Stephen Padalino
Seun, Sin Man	Smith College (MSU)	Betty Tsang
Sickles, Anne	Gonzaga U. (MSU/NSCL)	Gary Westfall
Sutton, Christian	Colo. Sch. of Mines	Edward Cecil
Terry, James R.	Miss. State (Niels Bohr)	Bent Herskind
Thompson, Sarah	SUNY Geneseo (LLE/LLNL)	Stephen Padalino
Thoms, Jon	Valparaiso	Shirvel Stanislaus, Bob Manweiler, and Don Koetke
Underhill, Patrick	Washington U. (MSU/NSCL)	Scott Pratt
Valente, Daniel	Hope College	Catherine Mader
Wakeman, Thomas	SUNY Geneseo	Stephen Padalino
Wasinger, Nicole	Colo. Sch. of Mines	F. Edward Cecil

#### 5. PRC, PRL, AND PUBLICATION COMMITTEE NEWS

*Physical Review C* editor Sam M. Austin presented to the DNP Publications Committee at Asilomar recommendations for five new

Editorial Board members who will begin their three-year terms in January 2000. These nominees were approved by the DNP Publications Committee, and the names were forwarded to the Editor-in-Chief, Martin Blume for final action. The new PRC Editorial Board members are:

- Christian Beck (Institut de Recherches Subatomiques, Strasbourg, France)
- Kris Heyde (University of Gent, Gent, Belgium)
- Toshio Motoba (Osaka Electro-Communication Univ, Osaka, Japan)
- Shelley A. Page (University of Manitoba, Winnipeg, Manitoba, Canada)
- Peter Parker (Yale University, New Haven, CT)

Leaving the PRC Editorial Board will be: A. Baha Balantekin, Avraham Gal, Gottfried Muenzenberg, and Michael Wiescher. The DNP thanks them for their service over the past three years.

New *Physical Review Letters* Divisional Associate Editors in the area of nuclear physics were also proposed. The nominees were approved by the DNP Publications Committee, and the names were forwarded to the Editor-in-Chief, Martin Blume for final action. The new Divisional Associate Editors will be:

- Peter Braun-Munzinger (GSI, Darmstadt, Germany)
- I. Yang Lee (LBNL, Berkeley, CA)

Their three-year terms are will begin in January 2000. Departing DAEs in nuclear physics are Robert Janssens and W. Zajc, whom the DNP thanks for their service.

## 6. FUTURE DNP FALL MEETINGS

2000	October 4-7	Williamsburg, VA
2001	October	Hawaii
2002	October	East Lansing, MI

The dates include the Wednesday “workshops,” which are held in conjunction with the DNP Fall Meetings. Holding “workshops” at the DNP Fall Meetings is a tradition that began with the 1986 Vancouver meeting. All meeting attendees are welcome and encouraged to come. It has been the intention of the DNP Executive Committees that these “workshops” should have broad appeal, with introductory pedagogical talks for the benefit of those who have come primarily for the DNP meeting but want to take the opportunity to learn about a field of specialty of the local community.

## 7. APS MEETING IN LONG BEACH, CA, 29 APRIL – 2 MAY 2000

The 2000 April Meeting of the APS will be held in Long Beach, California, at the Long Beach Convention Center and the Hyatt Long Beach Hotel. Participating units will include Divisions of Nuclear Physics, Particles and Fields, Astrophysics, Chemical Physics, Physics of Beams, Computational Physics, and Plasma Physics. Forums represented will include Physics and Society, Industrial Applied Physics, International Affairs, and History of Physics. The program will consist of three plenary sessions, 45 invited paper sessions, and more than 100 contributed paper sessions.

To check out Long Beach look at the URL: “[www.golongbeach.org](http://www.golongbeach.org).” Long Beach lies 20 miles south of Los Angeles along 5-1/2 miles of Pacific Ocean coast. The year-round warm climate is ideal for outdoor excursions, including Disneyland, Catalina Island, the Queen Mary, and Long Beach Aquarium.

## 8. DNP LONG BEACH 2000 APRIL MEETING PROGRAM

The Program Committee, under the leadership of Program Committee Chair Hamish Robertson, has been busy organizing the DNP component of the APS April Meeting in Long Beach. There will be Plenary Sessions as was the case in Columbus (1998), but details are not sufficiently complete to be included here.

Several Joint Sessions are being organized with other APS units. These include a DPF/DNP session (Neutrino Mass and Oscillations), a DPB/DNP session (Accelerators for Nuclear Physics), a GFBS/DNP session (Few-Body Systems in Nuclear Physics), a COM/DNP session (Diversity Drives Innovation in the New Millennium), and a CSWP/DNP session (How to Succeed in Physics: Pitfalls and Strategies).

In addition, the DNP will organize five stand-alone invited paper sessions: “Parity Violation” (being organized by Roy Whitney), “Nuclear Physics with Trapped Atoms and Nuclei” (being organized by Walter Henning and Guy Savard), two voted sessions (being organized by Hamish Robertson from the DNP member nominations and the subsequent ballot of the DNP Program Committee) and a DNP Prize Session (which includes the winners of the Bethe and Bonner Prizes as well as the Dissertation plus an address by the Past Chair of the DNP, Stuart Freedman).

The DNP will organize two mini-symposia at the Long Beach meeting. Contributed papers intended for these mini-symposia should be identified by the appropriate sorting category listed below. (Note that E12a should be entered as {E}{12}{a} in the template for e-mail submission.) Each of the mini-symposia will be initiated by a 30 minute invited talk, which is intended to provide the introduction on which the following contributed paper speakers can rely to set the stage. Abstracts not selected for a particular mini-symposium because of time constraints will be placed in a traditional contributed paper session. All DNP members are invited to contribute an abstract. It would be helpful to the organizer of the two mini-symposia, Roy Whitney, if a copy of your mini-symposia abstract were sent to him when it is submitted to the APS.

Abstract submission instructions can be found at URL: “<http://www.aps.org/meet/meet-abstract.html>.” The deadline for receipt of abstracts is January 14. Please proof your abstract before submission. Contributed abstracts may be submitted via the Web or via e-mail. The Web submission process is self-guiding. Try a test by logging onto <http://abstracts.aps.org> and select TEST. When submitting, select the meeting ID APR00. For e-mail submission send an e-mail to [abs-request@aps.org](mailto:abs-request@aps.org) with the phrase “request APR00” as the message. Questions can be sent to [abs-help@aps.org](mailto:abs-help@aps.org).

Sorting categories for nuclear physics papers are:

## E. NUCLEAR PHYSICS

- E1. Nuclear Astrophysics
- E2. Electroweak Interactions

- E3. Electromagnetic Interactions
- E4. Ultrarelativistic Heavy-Ions
- E5. Nuclear Reactions: Heavy-Ions/Radioactive Beams
- E6. Nuclear Reactions: Hadrons/Light Ions
- E7. Nuclear Structure
- E8. Sub-Nucleonic Degrees of Freedom
- E9. Nuclear Theory
- E10. Instrumentation
- E11. Applications of Nuclear Physics
- E12a. Mini-Symposium A - The Proton Spin: Tests of the GDH Sum Rule
- E12b. Mini-Symposium B - Nucleon-Nucleon Correlations
- E13. Other

## 9. FUTURE APS SPRING MEETING INFORMATION

2001	April	Washington, DC
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The 2001 APS Spring Meeting is tentatively scheduled for Washington, DC. Discussions are underway regarding the 2002–4 sites. Possibilities include Baltimore, Savannah, Albuquerque, Houston, and Anaheim.

## 10. NUCLEAR ASTROPHYSICS TOWN MEETING REPORT, S. M. Austin

The DNP sponsored a Town Meeting on opportunities in nuclear astrophysics that was held 7–8 June 1999. This meeting was organized by groups from Notre Dame and MSU/NSCL and was held at Notre Dame. The White Paper resulting from that meeting is now available by going to the DNP Home Page or directly at the URL: [www.nsl.mscl.edu/~austin/nuclear-astrophysics.pdf](http://www.nsl.mscl.edu/~austin/nuclear-astrophysics.pdf).

## 11. RHIC THEORY COMPETITION, J. A. Kapusta

During the 1998 spring session at the Institute for Nuclear Theory in Seattle, Barbara Jacak, Joseph Kapusta, and Xin-Nian Wang announced a RHIC theory competition for the best prediction of the first experimental measurements to be performed at RHIC. This is a reminder to those interested in entering the competition that the deadline for predictions was 31 December 1999. The winning entry will be chosen by the organizers listed above and a case of wine provided by the organizers will be awarded. Details may be obtained from <http://www.nsdth.lbl.gov/int98/competition.html>.

## 12. PRC ON-LINE TIP: SENDING FEEDBACK, C. Wesselborg

Experiencing a problem with PRC on-line? Have a suggestion? You may send feedback regarding the PRC on-line service (<http://prc.aps.org/>) by filling out one of the on-line response forms. These are available on the PRC Customer Service page at <http://ojps.aip.org/prc/custserv.html>. The page provides access to (1) the Technical Support Request Form to report problems using the service, (2) the Editorial Feedback Form for suggestions to the Editors, and two other forms. The forms contain pull-down menus with prepared responses from several categories which allow better identification of the nature of the problem.

Feedback may also be sent via e-mail, but please use the feedback forms whenever possible. The e-mail addresses are [prctech@aps.org](mailto:prctech@aps.org) for PRC technical support; [prccomm@aps.org](mailto:prccomm@aps.org) for editorial feedback.

The PRC Online Help page is available at <http://ojps.aip.org/prc/help.html>; among other useful information it provides access to the PRC FAQ page (see ‘The Basics’).

## 13. NOMINATIONS FOR APS FELLOWSHIP

The procedure for the election of a Member to Fellowship is outlined in the Membership Directory of the APS under “Constitution and Bylaws,” or can be found under Fellowships on the APS Home Page. A nomination form, which cites the principal contributions of the candidates to physics, should be prepared and signed by two members of the society. The total number of members who could be elected to Fellowship in a given year is one half of one percent of the total APS membership.

The DNP deadline is normally 1 April. Nomination forms are available from the APS Home Page or can be obtained by sending an e-mail message to “[fellowship@aps.org](mailto:fellowship@aps.org)” or by calling (301) 209-3286. Completed forms should be returned to Dr. J. Franz at the same address. Information can also be found on the APS home page (<http://www.aps.org/>); click on the word fellowship. The nomination form can also be downloaded.

The 2000 DNP Fellowship Committee is comprised of S. J. Freedman (Chair), S. E. Vigdor, W. Benenson, D. Geesaman, and J. Cizewski. The Fellowship Committee reviews the nominations for APS Fellowship referred to the DNP and recommends a slate of candidates, which is forwarded to the APS Fellowship Committee and then to the APS Council for approval. Nominations remain active for two years.

It is particularly important for nominators to ensure that the cases that they prepare for the Fellowship Committee are well documented. In addition to that requested on the nomination form, information such as lists of invited talks, awards, professional activities, committee services, and participation in organization of conferences is very helpful. Inclusion of a complete publication list is highly recommended.

The DNP has adopted the following Fellowship Criteria Guidelines. To be chosen as a Fellow, an APS member should have a record of excellence in research that has been sustained over several years, and have completed at least one major, original work that has influenced his/her specialty in a significant way. The APS requires membership for at least the prior year.

The list of APS Fellows (by APS subunit) elected in a given year appears on the APS Home Page in December and is published in the March issue of *APS News*. The names of newly elected DNP Fellows are published in the February Newsletter and the awards are presented at the DNP Business meeting of the Spring APS meeting.

## 14. NUCLEAR PHYSICS HOME PAGE, J. F. Wilkerson

The DNP Home Page, found at “<http://www.phy.anl.gov/dnp/>”, is a great on-line source for information about both the DNP and nuclear physics. With the help of Webmaster Bob Wiringa, the site continues to evolve and grow. In the coming months look for an enhanced section providing educational information and links. The site also features a section highlighting current research topics. We would like to strongly

encourage all members to submit suggestions for new topics to the Ad Hoc Home Page Committee Chair (John Wilkerson, jfw@u.washington.edu). If you have any ideas or suggestions on how we can improve the site please contact John Wilkerson or Bob Wiringa “dnp@theory.phy.anl.gov”.

## 15. DNP PRIZES AND AWARDS

The prize and award season is here, Nobel etc. The DAP/DNP Bethe Prize, the DNP Bonner Prize, and the DNP Dissertation Awards will have been announced by the time you receive this newsletter. Please check the DNP Home Page or the APS Home Page for the announcements. Stories will appear in Newsletter 121 as well as APS News. The presentations to the winners will be made at the Centennial Meeting in Long Beach during the DNP Prize Session, where each of the winners will present a talk on his/her work. You are invited to attend. The DNP Business Meeting will follow the Prize Session.

## 16. ANNUAL REVIEWS OF NUCLEAR AND PARTICLE SCIENCE

The Division has continued the agreement with Annual Reviews, Inc., which will enable DNP members to obtain copies of the “*Annual Review of Nuclear and Particle Science*” at a 30% discount when purchased through the DNP Secretary-Treasurer, Benjamin F. Gibson, Los Alamos National Laboratory, DNP, MS B283, Los Alamos, NM 87545.

**1998 Prices:** The dual prices (separated by a slash) listed below correspond to USA/other countries including Canada. Volumes 12–29 and 31–41 are \$55/\$60 retail and \$38.50/\$42 for DNP members. Volumes 42 and 43 are \$59/\$64 retail and \$41.30/\$44.80 for DNP members. Volumes 44 and 45 are \$62/\$67 retail and \$43.40/\$46.90 for DNP members. Volume 46 is \$67/\$72 retail and \$46.90/\$50.40 for DNP members. Volumes 47 and 48 are \$70/\$75 retail and \$49/\$52.50 for DNP members.

Other Annual Reviews series publications are also available. A complete listing of topics and authors for the current volumes and back volumes of Annual Reviews publications may be viewed on the Annual Reviews Web Site at <http://www.AnnualReviews.org>. The Web Site also features a fully searchable abstracts data base for all Annual Reviews publications, which allows visitors to search by author name or key words.

Payment (payable to the Division of Nuclear Physics–APS) must accompany your order and must be in U.S. funds. California orders must add applicable sales tax. *Since 1 January 1991, all orders shipped to Canada require the addition of a 7% General Sales Tax (Reg. #121449029 RT).*

## 17. CANDIDATE BIOGRAPHIES

### NOMINATIONS FOR VICE-CHAIR

**Charles Glashauser** – Rutgers University. B.S., Boston College, 1961; Ph.D. in Physics, Princeton University, 1966. Postdoctoral Fellow, C.E.N. Saclay, 1965–1967; Postdoctoral Fellow, Lawrence Berkeley Laboratory, 1967–1969; Assistant Professor, Rutgers University, 1969–1973; Associate Professor, Rutgers University, 1973–1979; Professor, Rutgers University, 1979–present; Guest Professor, University of Munich, 1975–1976, Visiting Professor, University of

Paris, Orsay, 1991. Visiting Staff Member, Los Alamos National Laboratory, 1977–1993; Visiting Physicist, C.E.N. Saclay, 1981, 1985; Member, LAMPF Users Group Board of Directors, 1983–85 (Chair, 1984); Chair, Gordon Research Conference, 1985; Member, CEBAF/JLab Hall A Collaboration (Chair, EXPINT Committee, 1995–1996); Member, Users Group Board of Directors, CEBAF/JLab, 1988–90, 1998– (Chair, 1999–2001); Member, Nuclear Science Advisory Committee, 1987–1990; Member, Program Advisory Committee, Brookhaven National Laboratory Tandem, 1972–1974, Indiana University Cyclotron Facility, 1984–1987, TRIUMF, 1989–1993, JLab, 1999–; Member, DNP Program Committee, 1989–1990, DNP Fellowship Committee, 1997–1998. Fellow, American Physical Society. Research Interests: Experimental intermediate energy nuclear physics; spin, nuclei, and nucleons; spin response of nuclei; modification of nucleon properties in nuclei; focal plane polarimeters; polarization phenomena.

**Timothy James MacNeil Symons** – Senior Physicist, Lawrence Berkeley National Laboratory: 1984–present; Director, LBNL Nuclear Science Division 1985–95; LBNL Divisional Fellow 1979–84; LBNL Post-doctoral Research Associate 1977–79; RIKEN Institute Eminent Scientist Award, 1998; Max-Planck Institut fuer Kernphysik, Heidelberg, Visiting Scientist 1980–81; Science Research Council Fellow, UK, 1976–77; BA Oxford University, 1972; MA, D. Phil, Oxford University, 1976; APS Fellow, 1987; GSI/SIS Detector Advisory Committee 1987–88; BNL AGS/RHIC Program Advisory Committee 1992–95; RHIC Policy Committee 1989–95; CEBAF Program Advisory Committee 1991–94; APS DNP Program Committee 1982–83; Co-chair DNP Fall Meeting, Asilomar, 1985; APS DNP Bonner Prize Committee 1988–89 (Chair, 1989); US-Russia Joint Coordinating Committee on the Fundamental Properties of Matter 1993–present; LLNL Physics Directorate Review Committee 1995–96; ANL Physics Division Visiting Committee 1997; DOE/NSF Nuclear Science Advisory Committee 1996–present; NSAC Intermediate Energy Nuclear Science Sub-Committee Chair, 1998. Research Interests: relativistic heavy ion collisions, nuclei far from stability.

### NOMINATIONS FOR EXECUTIVE COMMITTEE

**Cornelis William de Jager** – Kees de Jager was born in England in 1943. He received his B.Sc. (1963), M.Sc. (1967), and Ph.D. (1973) at the University of Amsterdam. He joined the electron scattering group at IKO, the precursor of NIKHEF, as a research assistant in 1964, where he would stay until late 1996. In 1976 he was at MIT on sabbatical leave. From 1980 to 1990 he was group leader of the single-arm electron-scattering group, and from 1990 to 1996 he was responsible for the internal target research program at the AmPS stretcher/storage ring. In January 1997 he joined Jefferson Lab as the Hall A group leader. He has served as advisor to many national and international agencies, conferences, and laboratories; among them were DOE, NSF, DFG, Mainz, Bonn, and MIT. Research Interests: Intermediate energy physics with (mainly polarized) electron beams, with emphasis on properties of nucleons and few-body systems.

**Jerry P. Draayer** – Academic: Professor of Physics (1983–present) and Computer Science (1988–present), Louisiana State University (LSU); Corresponding Member of the Mexican National Academy of Sciences (Academia Mexicana de Ciencias), 1997–present; Guest Professor, Universität Tübingen, Tübingen, Germany, 1992–1995; Associate Professor, Université Louis Pasteur, Strasbourg, France, 1990–1993; Assistant/Associate Professor (1975–1983), LSU; Research Associate, University of Rochester, 1973–1975; NSF Fellow, Niels Bohr Institute and University of Michigan, 1968–1973, Ph.D., Iowa State University, 1968. Administrative: President, SURA (Southeastern Universities Research Association) – DoE Contractor for Jefferson Lab,

Newport News, VA), 1999–present; Associate Commissioner, Louisiana Board of Regents and Louisiana EPSCoR Director, 1995–1999; Vice-President, Faculty Senate, LSU, 1996–1998; Chair, Department of Physics and Astronomy, LSU, 1985–1994. Professional: Contract Negotiation Team, CEBAF Facility, 1991–1993; Associate Editor, *Physical Review C*, 1991–1993; PAC, Holifield Facility, 1989–1992; principal on initiatives that brought CAMD and LIGO to Louisiana; organized numerous meetings and workshops, including 2 INT programs; PI on >\$10M in federal grants/contracts; member of various professional and honorary societies, including APS, Sigma Xi, Phi Kappa Pi, Pi Mu Epsilon. Specialty: Nuclear structure – group theory and its applications to nuclei, shell-model investigations of deformed nuclei, applications of statistical spectroscopy and nonlinear dynamics in nuclear physics.

**Barry R. Holstein** – Born in Youngstown, Ohio in 1943 and obtained both undergraduate (1965) and graduate (1969) degrees in physics from Carnegie Mellon University in nearby Pittsburgh. After a two year stint as an Instructor at Princeton University he joined the faculty of the University of Massachusetts/Amherst in 1971, where he has been since that time, becoming full Professor in 1979. During the years 1977–1979 he was Program Officer for Theoretical Physics at the National Science Foundation, and he was a visiting Professor at Princeton during 1974 and again in 1985. He has been organizer of INT programs in 1992, 1995, and has spent sabbatical leaves at Amherst College, Oberlin College, and at LANL. In 1997 he was awarded a Humboldt Senior Scientist Fellowship, which he spent at Forschungszentrum Juelich during 1998 and 1999. His research has focused on symmetries in weak and electromagnetic interactions especially in areas spanning the fields of nuclear and particle physics, and he is best recognized for work involving nuclear beta decay, nuclear parity violation, CP violation, and chiral perturbation theory. He is the author, co-author of three books and is known for writing pedagogical articles on the field. He is a Fellow of the American Physical Society, a member of AAPT, and presently serves as Consulting Editor of the American Journal of Physics. He has served on Program Advisory Committees of CEBAF, TRIUMF, LAMPF, and MIT-Bates, as well as on the CEBAF Scientific Policy Committee, the NSERC Subatomic Physics Grant Selection Committee, the NSF Committee of Visitors, the INT Advisory Committee, various *ad hoc* DOE panels, as well as serving terms as Associate Editor of *Physical Review Letters* and the *American Journal of Physics*. He is presently chair of the APS Bonner Prize Committee.

**Guy Savard** – Research Scientist, Argonne National Laboratory, 1997–present; Ph.D. Physics, McGill University, 1988; Assistant Associate, Université de Paris-Sud, 1988; Research Associate, CERN/Mainz Universitaet, 1988–1991; Research Scientist, Chalk River Laboratories, 1991–1997; AECL Discovery Award, 1994; Writing Committee for white paper on Scientific Opportunities with an Advanced ISOL Facility, 1997; DNP Program Committee, 1998–present; consultant to NSAC Subcommittee on the Advanced ISOL Facility, 1999. Research Interests: Weak interaction physics using high-precision low-energy nuclear/atomic physics probes (tests of CVC, precise determination of the weak vector coupling constant from beta-decay, search for non *V-A* terms in the interaction); development of ion trapping techniques for unstable isotopes and their applications to high-precision mass measurements, fundamental interaction studies and trace analysis.

**Robert E. Tribble** – Professor of Physics, Texas A&M University, 1982–present; Ph.D., 1973, Princeton University; Instructor, Princeton University, 1973–1974; Assistant Professor of Physics, Texas A&M University, 1975–1978; Associate Professor of Physics, Texas A&M University, 1978–1982; Head, Department of Physics, Texas A&M University, 1979–1987; Visiting Scientist, Max Plank Institute for Nuclear Physics, Heidelberg, Germany, 1977–1978; Visiting Associate

Professor, Princeton University, 1979; Associated Western Universities Sabbatical Fellowship at LAMPF and Lawrence Livermore National Laboratory, 1987–1988; Alfred P. Sloan Fellow, 1976–1980. Served on the Panel on Future Directions in Nuclear Physics, Boulder, 1979; APS Committee for Status of Women in Physics Faculty Positions, 1980–1983; Chairman, DNP Publications Committee, 1983–1984; LAMPF Users Group and Consultant, 1985–1995; Chairman, DNP Nominating Committee, 1990–91; Nuclear Science Advisory Committee Long Range Plan Working Group, 1989; Nuclear Science Advisory Committee, 1991–1994; Co-Chair, Workshop on “Future Directions in Particle and Nuclear Physics at Multi-GeV Hadron Beam Facilities,” 1994 (co-editor of the white paper from the workshop); APS Bonner Prize Committee, 1995–1996; Nuclear Science Advisory Committee LRP Working Group, 1995–1996; INPC 2001 Organizing Committee; ATLAS PAC 1998–present; Steering and Writing Committees for Town Meeting and White Paper on Opportunities in Nuclear Astrophysics, 1999; DNP Dissertation Award Committee, 2000. Fellow, American Physical Society. Research Interests: Electroweak interactions – co-PI for the E614 at TRIUMF (Michel parameters in normal muon decay); hadronic interactions and quark/parton distributions in nuclei (Fermilab E866); nuclei far from stability; radioactive beams for nuclear astrophysics; nuclear reactions and scattering.

**Michael C. Wiescher** – Born in Wuppertal, Germany in 1949. Diploma degree in 1974 from the Institute of Physics at the University of Muenster in solid state physics (“Measurements of the Fano Effect on Cs-Surfaces”). Joined Claus Rolfs’ group at the Nuclear Physics Institute at the University of Muenster; received a Ph.D. in nuclear astrophysics in 1980 (“Measurements of Reactions in the CNO Cycles”). Ohio State University Postdoctoral Fellow, 1981–1983 (first attempt to develop a radioactive beam facility). Worked at the Caltech Kellogg Laboratory in 1984 as a Visiting Fellow (capture measurements with long-lived radioactive targets). Joined the group of K. L. Kratz in Mainz in 1984 as a Senior Research Associate and Lecturer (*r*-process studies at the ISOLDE separator at CERN and the OSTIS separator at the ILL, Grenoble). Joined the University of Notre Dame faculty in 1986, where he holds the Freimann Chair of Physics. Research Interests: *rp*-process in explosive stellar scenarios, nuclear reactions and nuclear structure far off stability; critical reaction processes during stellar evolution; reaction and structure studies near the particle thresholds. Member of the American Astronomical Society, the Deutsche Physikalische Gesellschaft, and a Fellow of the American Physical Society. Has visited and performed experiments at the radioactive beam facility at Louvain la Neuve, Forschungszentrum Karlsruhe, Kellogg Laboratory at Caltech, the NSCL at Michigan State University, Argonne National Laboratory, and Oak Ridge National Laboratory. Served on the National Steering Committee for a Radioactive Beam Facility (ISL), the National Steering Committee on Opportunities in Nuclear Astrophysics, the NuPECC Working Group on Nuclear and Particle Astrophysics, Review and Advisory Committees for Oak Ridge National Laboratory, Lawrence Berkeley National Laboratory, Argonne National Laboratory, TUNL, and the NSCL/MSU. He is on the *Physical Review C* Editorial Board and is an Associate Editor for *Nuclear Physics A*.

## 18. FUTURE CONFERENCES

Organizers of future conferences should contact the DNP Secretary-Treasurer if they wish their conferences listed in DNP newsletters.

“XXIII Symposium on Nuclear Physics,” 10–13 January 2000, Oaxtepec, Morelos, Mexico. Contact: Dr. A. Frank (e-mail: frank@servidor.unam.mx), Dr. J. G. Hirsch (e-mail: hirsch@

nuclecu.unam.mx), ICN-UNAM, A.P. 70-543, 04510 Mexico, D.F., Telephone: +52-5-6224672, Fax: +52-5-6162233, WWW: <http://www.nuclecu.unam.mx/~bijker/oaxtepec/oaxtepec.html>.

**“Shell Model 2000,”** 5–8 March 2000, RIKEN, Japan. Contact: T. Otsuka, Department of Physics, University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Fax: +81-3-5841-4224, e-mail: [otsuka@phys.s.u-tokyo.ac.jp](mailto:otsuka@phys.s.u-tokyo.ac.jp).

**“16th International Conference on Few-Body Problems in Physics,”** 6–10 March 2000, Taipei, Taiwan. Contact: Prof. S. N. Yang, FB16, Department of Physics, National Taiwan University, Taipei 106, Taiwan. Telephone: +886 2 2362-7007, Fax: +886 2 2363-9984, e-mail: [FB16@phys.ntu.edu.tw](mailto:FB16@phys.ntu.edu.tw), WWW: <http://www.phys.ntu.edu.tw/English/FB16/>.

**“CONFINEMENT 2000, International Symposium on Quantum Chromodynamics and Color Confinement,”** Osaka, Japan, 7–10 March 2000, Conference Secretary: Dr. H. Suganuma, RCNP, Osaka University, Mihogaoka 10-1, Ibaraki, Osaka 567-0047, Japan, Telephone: +81-6-879-8946 Fax: +81-6-879-8899 or 8898, e-mail: [conf2000@rcnp.osaka-u.ac.jp](mailto:conf2000@rcnp.osaka-u.ac.jp), WWW: <http://www.rcnp.osaka-u.ac.jp>.

**“The 7th Conference on Intersections Between Particle and Nuclear Physics CIPANP – 2000,”** 22–28 May 2000, Quebec City, Canada, Stanley Kowalski, Chair. Contact: Anne B. MacInnis, MIT-Bates, P.O. Box 846, Middleton, MA 01949 USA. e-mail: [macinnis@mit.edu](mailto:macinnis@mit.edu), Telephone: 617-253-9285, Fax: 617-253-9599, WWW: <http://CIPANP.mit.edu>.

**“International Conference on Structure of the Nucleus at the Dawn of the Century,”** 29 May - 3 June 2000, Bologna, Italy, Organizer: Giovanni C. Bonsignori, Contact: Alberto Ventura ENEA, Via Martiri di Monte Sole 4, I-40129 Bologna, Italy, Telephone: +39 051 6098305, Fax: +39 051 6098705, E-mail: [nucth2000@bo.infn.it](mailto:nucth2000@bo.infn.it), WWW: <http://nucth2000.bo.infn.it>

**“PINGST 2000: Selected Topics of N=Z Nuclei,”** 6–10 June 2000, Lund, Sweden. Contact: Dirk Rudolph, Department of Cosmic and Subatomic Physics, Lund University, Box 118, S-22100 Lund, Sweden. Telephone: +46 46 2227633, Fax: +46 46 2224015, e-mail: [pingst2000@kosufy.lu.se](mailto:pingst2000@kosufy.lu.se), WWW: <http://www.nsg.kosufy.lu.se/pingst2000/>.

**“The Seventh International Conference on Nucleus-Nucleus Collisions,”** 3–7 July 2000, Strasbourg, France, at the “Palais des Congres.” Contact: Volker Metag, e-mail: [NN2000@ganil.fr](mailto:NN2000@ganil.fr), WWW: <http://www.gsi.de/NN2000>.

**“NS2000, Nuclear Structure 2000,”** 15-19 August 2000, Kellogg Center, MSU, East Lansing, Michigan. Secretary: Shari Conroy, Telephone: 517-333-6333, Fax: 517-353-5967, e-mail: [NS2000@nscl.msu.edu](mailto:NS2000@nscl.msu.edu), WWW: <http://www.nscl.msu.edu/ns2000>.

**“MENU2001,”** 6–31 July 6-31 2001, Washington, D.C. Contact: William Briscoe, The George, Washington University, Telephone: (202) 994-6788, e-mail: [briscoe@gwu.edu](mailto:briscoe@gwu.edu); or Helmut Habertzettl, The George Washington University, Telephone: (202) 994-0886, e-mail: [helmut@gwu.edu](mailto:helmut@gwu.edu).

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