

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

ACCOMPANYING THIS NEWSLETTER:

- Ballot for the DNP Election



Future Deadlines

- **14 January 2005** — Abstract deadline for spring meeting
- **14 January 2005** — DNP Election Ballot
- **11 February 2005** — Early registration for spring meeting
- **15 March 2005** — Housing deadline for spring meeting
- **1 April 2005** — Nominations for Fellowship

Home Page for the DNP: <http://dnp.nsl.msue.edu>

The home page for the Division of Nuclear Physics is now available at "<http://dnp.aps.org>." Information of interest to DNP members -- current research topics, deadlines for meetings, prize nominations, forms, and useful links are provided. Each DNP Newsletter is posted, in advance of the copy sent via post. Comments and suggestions are solicited. Please send them to Thomas Glasmacher at "dnpweb@nsl.msue.edu"

1. ELECTION OF OFFICERS AND EXECUTIVE COMMITTEE FOR 2005

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 Tampa, 16 – 19 April 2005. Bradley M. Sherrill will become Chair, Susan J. Seestrom will become Chair-Elect, and Donald F. Geesaman will become Past-Chair. Bunny C. Clark is Divisional Councilor. Kevin T. Lesko, Alice C. Mignerey, and William A. Zajc 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 2005.

This year's Nominating Committee consists of E. J. Beise (Chair), J. F. Beacom, J. A. Carlson, J. Thomas, and S. J. Yennello (Vice Chair). The candidates selected by the Nominating Committee and approved by the Executive Committee are:

Vice-Chair (one position):

Richard G. Milner
John F. Wilkerson

Secretary-Treasurer:

Benjamin F. Gibson

Executive Committee (three positions):

Ani Aprahamian
John R. Arrington
Anna C. Hayes
David Hertzog
Michael J. Ramsey-Musolf
Warren Rogers

Candidate biographies are included.

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 14 January 2005 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.

2. ACKNOWLEDGE YOUR SPONSORING AGENCY

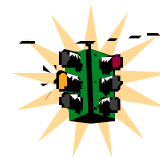
Given the importance of agency sponsorship in making nuclear physics research possible, it is urged that DNP members acknowledge their agency sponsors in any talk or publication which they generate: seminars, workshop contributions, APS meeting talks, conference talks/posters, etc.

**3. SESSION CHAIRS FOR THE TAMPA, FL, 2005
APS SPRING MEETING**

The APS/DNP Spring Meeting will be in Tampa, FL. Those who are willing to chair a session should please send an email message to Brad Sherrill ("sherrill@nsl.msue.edu") indicating: 1) willingness to serve and 2) areas of expertise which might be of interest. The information is needed by 4 January. Nominations of younger colleagues who will attend the meeting are welcome.

INSIDE . . .

- Prizes and Awards
- Future Meeting Dates
- Reports from DNP 2004
- Spring Meeting Previewed
- Abstract Submission Procedure
- Fellow Nominations



4. 2004 DNP DISTINGUISHED SERVICE AWARD WINNER

The 2004 winner of the American Physical Society's Division of Nuclear Physics' Distinguished Service Award, Ernest M. Henley, was announced at the Business/Town meeting held during the DNP Fall Meeting in Chicago. The citation reads:

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.

Congratulations are due to Ernest. He has provided significant service to the Division which has benefited every member.

5. 2005 BONNER PRIZE WINNER

Roy J. Holt of Argonne National Lab. has been named the winner of the APS 2005 Tom W. Bonner Prize in nuclear physics. The citation reads:

In recognition of his pioneering role in experimental studies of the structure of the deuteron and especially for his innovative use of polarization techniques in these experiments.

Please go to <http://www.aps.org> and click on *Prizes and Awards* for additional information.

6. 2005 BETHE PRIZE WINNER

Stanford E. Woosley of the University of California at Santa Cruz has been named the winner of the APS 2005 Hans A. Bethe Prize. The citation reads:

For his significant and wide ranging contributions in the areas of stellar evolution, element synthesis, the theory of core collapse and type Ia supernovae, and the interpretation of gamma-ray bursts - most notably, the collapsar model of gamma-ray bursts.

Please go to <http://www.aps.org> and click on *Prizes and Awards* for additional information.

7. 2005 DISSERTATION AWARD WINNER

Andriy Kurylov of the University of Connecticut has been named the winner of the DNP 2005 Dissertation in Nuclear Physics Award for his thesis work under the direction of M. J. Ramsey-Musolf. The citation reads:

For his theoretical work on electroweak radiative corrections to precision low-energy processes, including calculations of neutrino-deuteron scattering needed to interpret solar neutrino data and other calculations to constrain limits for physics beyond the standard model.

Please go to www.aps.org and click on *Prizes and Awards* for additional information.

8. FUTURE DNP FALL MEETINGS

2005	Sept. 20 – Sept. 24	Maui, HI
2006	October	Nashville, TN

The dates include the Wednesday “workshops,” which are normally 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. In 2005 the workshops will be on Tuesday (20 September).

9. FUTURE APS SPRING MEETING INFORMATION

2005	April 16 – 19	Tampa, FL
2006	April 23 – 25	Dallas, TX

The 2005 APS Spring Meeting will move to Tampa, FL. Any comments/suggestions should be sent to APS Meetings Manager, Donna Baudrau (baudrau@aps.org).

10. REPORT ON THE 2004 DNP FALL MEETING, T-S. H. Lee

The annual Fall Meeting of the Division of Nuclear Physics (DNP04) took place at the Hyatt Regency Chicago from Thursday, October 28, through Saturday, October 30. Nearly 660 registered participants came to enjoy Chicago's many attractions and about 35 invited and 350 contributed talks.

Two all-day workshops that ran in parallel preceded the meeting. The workshop “Advances in Understanding the Nucleon” was organized by J. Arrington, R. Holt, and C. Roberts of Argonne National Laboratory. The workshop “Experimental Methods for Next Generation Rare Isotope Beams” was organized by M. Carpenter, R. Janssens, and J. Nolen also of Argonne National Laboratory.

The main meeting began with a welcome from Argonne National Laboratory's Director Hermann Gruner, which was followed by four invited talks in the plenary session “Visions of the Future of Nuclear Physics,” organized by DNP Chair Don Geesaman. Five invited speaker sessions covered “Have We Seen the Quark-Gluon Plasma at RHIC?”, “50 Years of Collective Models”, “Probing the Gluonic and Quark Structure of Matter”, “New Results from Proton-Rich Nuclei”, and “Strongly Interacting Fermions : From Traps to Stars”. Seven mini-symposia focused on “Contemporary Physics at Gammashpere”, “Two-Photon Physics in Electron Scattering”, “First Results from the 62 GeV Run at RHIC”, “Nuclear Data for Science and Technology”, “Exotic Hadrons”, “Jet Quenching at RHIC and Partonic Equation of State”, and “Developments in Nuclear Structure and Reaction Theory for Astrophysics and Stockpile Stewardship”. Contributed papers were presented in twenty separate sessions that ran in parallel with invited sessions and mini-symposia between Thursday afternoon and Saturday afternoon. Four exhibitors attended. Contributions from exhibitors allowed coffee to be served throughout the meeting.

On Friday afternoon, DNP Chair Don Geesaman conducted the DNP Business and Town Meeting. Highlights included a report on the plans for the 2005 APS Spring Meeting; the announcement that Ernie Henley (University of Washington) is the recipient of the DNP Distinguished Service Award and announcements that Roy Holt (Argonne National Laboratory) is the winner of the Bonner Prize, Stan Woosley (University of California at Santa Cruz) is the winner of the Bethe Prize, and Andriy Kurylov (University of Connecticut) is the Nuclear Physics Dissertation Award winner; and reports by the funding agency representatives Brad Keister (NSF) and Dennis Kovar (DOE).

To continue the DNP mission of serving the community, several other meetings took place. Warren Rogers (Westmont College) again organized several activities under the Conference Experience for Undergraduate (CEU) program that involved more than eighty undergraduate students; including a poster session, two one-hour lectures, one session on graduate school information, and an Ice Cream Social Reception. Users of RHIC-AGS, Jlab, and Low Energy Facilities (ATLAS, Gammasphere, HRIBF, NSCL, RIA) held User-Group Meetings on Thursday evening. On Saturday morning, a networking breakfast organized by Bunny Clark (Ohio State University) was held. Sheila Tobias spoke to about 50 attendees on "Women Encouraging Competitive Advancement in Nuclear Science".

On Wednesday evening, a welcome reception was held at the Hyatt Regency. GMW-Danfysik generously contributed wine to accompany the lively conversations and music. On Thursday afternoon, the editorial staff of Physical Review C and Physical Review Letters held a well-attended reception for all attendees to meet the editors for conversation and refreshments. On Friday evening, the conference banquet was held at the Hyatt Crystal ballroom overlooking the Chicago River. Entertainment was provided by the Nuclear Jazz Quartet.

The Local Organizing Committee would like to express its thanks to the DNP and to Argonne's Conference Services staff for their work in supporting the meeting, and to all who attended for their contributions to a successful meeting.

11. SHEILA TOBIAS SPEAKS AT DNP04, B. C. Clark

The WECAN breakfast at DNP04 in Chicago on Oct. 30, 2004 was a great success. The room was full of women and men of all ages including CEU students. It no surprise that people wanted to hear Sheila Tobias, because of her passion about the woman's movement since 1970, as well as her dedication to promoting women in science and math. Tobias spoke about the future of feminism and the lessons of the past. She talked about what is happening in science and math and the numbers of new students in these areas. Physics is at the bottom. She talked of "Hot Fields, Hot Jobs"; are you majoring in math or science and want a hot job? Tobias spoke of creating a new direction in terms of a professional science master's degree program. Please look at the web site <http://www.sciencemasters.com>.

Sheila Tobias is an international speaker, but she is also well known for her many books such as: "Overcoming Math Anxiety", "They're not Dumb, They're Different", "Breaking the Science Barrier", and "Rethinking Science as a Career". She is equally well known in academic and popular circles as a feminist for her book, "Faces of Feminism: An Activist's Reflections on the Women's Movement". Tobias' work is supported by the Ford, Rockefeller, and Sloan Foundations. Her expertise has made her a sought-after consultant on college and university curricula, general education, post-

baccalaureate alternatives, professional master's degrees in science and mathematics, and women's studies. She was educated in history and literature at Harvard/Radcliffe, earned a master's in history and an M.Phil. at Columbia University and has received eight honorary doctorates. Her most recent honors are from Michigan State University (December 2000) and Worcester Polytechnic Institute (WPI) (May 2001).

Argonne National Laboratory; the Division of Nuclear Physics, DNP; and WECAN (Women Encouraging Competitive Advancement in Nuclear Science) sponsored the breakfast. The APS committees CSWP and COM provided materials for the audience.

12. APS MEETING IN TAMPA, FL, 16 – 19 APRIL 2005

The 2005 April Meeting of the APS will be held in Tampa, FL, at the Marriott Waterside Hotel. Participating APS units will include the Divisions of Nuclear Physics, Particles and Fields, Astrophysics, Physics of Beams, Computational Physics and Plasma Physics. Forums represented will include Physics and Society, Education, Int'l. Affairs, Graduate Student Affairs, and History of Physics. The program will consist of three plenary sessions, some 75 invited paper sessions, and more than 100 contributed paper sessions. Plenary sessions can be found by checking the APS Home Page (www.aps.org) under "Meetings," "April Meeting". For 2005 there will be 4 session per day with a lunch break. The sessions will be long enough for only 3 invited talks.

13. DNP APRIL 2005 MEETING PROGRAM

The Program Committee, under the leadership of Program Committee Chair Brad Sherrill, has completed its planning activity for the DNP component of the APS April Meeting (16-19 April) in Tampa. There will again be plenary sessions at 8:30 a.m. on three of the four days. Invited sessions will have only 3 speakers. For details please see the APS web site.

Several joint sessions are being organized with other APS units. These include DNP/DPB sessions on rare isotope physics and on high energy nuclear physics, a DNP/DAP session on accreting neutron stars, DNP/FED (Forum on Education) sessions on mentoring in physics education and on homeland security education, a DNP/DPF session on outreach, and a DNP/CSWP session on nuclear physics. In addition, there will be a DNP/GFB (Few-Body Topical group) mini-symposium on pentaquarks and other exotics.

The DNP Program Committee has organized eight stand alone invited speaker sessions: The DNP Prize Session (talks given by the winners of the Bonner Prize, the Bether Prize, and the Nuclear Physics Dissertation Award); a topic session on "Medium Modifications of Hadronic Properties" being organized by U. Heinz, D. Mack, and T. Schaefer; a topic session on "Structure of the Nucleon and Nuclei" being organized by H. Gao and D. Mack; a topic session on "From Lattice QCD to Nuclear Physics" being organized by U. Heinz and T. Schaefer; a topic session on "Intermediate Mass Stars" being organized by J. Blackmon; a topic session on "The Heaviest Elements" being organized by J. Blackmon and E. Ormand; and two voted sessions being organized by Brad Sherrill based upon voting of the Program Committee on the 53 speaker nominations submitted by the DNP membership. One of the voted sessions will contain a talk by the outgoing DNP Past Chair, Baha Balantekin.

In addition to the joint mini-symposium given above, the DNP will organize one other mini-symposium in Tampa. Contributed papers

intended for these mini-symposia should be identified by the appropriate sorting category listed below. Please note that "E13a." should be entered as {E}{13}{a} in the category blank.) Each of the mini-symposia will be initiated by a 30 minute lead talk, which is intended to provide an introduction upon which the following contributed paper speakers can rely to set the stage. Thus, a contributed paper speaker in a mini-symposium should, in principle, be able to convey much more detailed information in the allotted time than a contributed paper speaker in a regular session. 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 organizers of the mini-symposia if a copy of your mini-symposium abstract (or at least the title and authors) were sent to the organizer (listed in parenthesis following the mini-symposium category) when submitted to the APS. Abstracts misdirected to the wrong category can then be more easily located and properly inserted into the program at the sorters meeting.

Sorting categories for nuclear physics are:

E. NUCLEAR PHYSICS

- E1. Nuclear Astrophysics
- E2. Electroweak Interactions
- E3. Electromagnetic Interactions
- E4. Ultrarelativistic Heavy-Ions
- E5. Nuclear Reactions: Heavy-Ions/Rare Isotope Beams
- E6. Nuclear Reactions: Hadrons/Light Ions
- E7. Nuclear Structure
- E8. Sub-nucleonic Degrees of Freedom
- E9. Hadronic Physics
- E10. Nuclear Theory
- E11. Instrumentation
- E12. Applications of Nuclear Physics
- E13a. Mini-symposium on Pentaquarks and Other Exotics (D. Mack & H. Gao in collaboration with GFB)
- E13b. Mini-symposium on Flavor Physics at RHIC (T. Hallman)
- E14. Other

14. ABSTRACT SUBMISSION

Complete abstract submission instructions can be found at the URL <http://www.aps.org/meet/abstracts/meet-abstract.html>.

The deadline for receipt of abstracts for the April meeting (APR05) is January 14, 2005 at 5:00 p.m. EST. You are strongly urged to proof your abstract before submission.

NOTE: Abstracts are no longer accepted via e-mail.

To submit a contributed abstract using the online web submission process, an author must know two things: (1) the number and ordering of authors and collaborators; (2) the abstract content. The web page will guide you through the rest.

Try a test submission before submitting your abstract. Log onto <http://abstracts.aps.org> and select the meeting TEST. Follow the directions online to create your own practice abstract. When ready to submit your abstract online, select the meeting APR03 by clicking on the appropriate button. A form will be created for you. Simply input the information.

NOTE: Invited speakers should refer to their letters of invitation for instructions on locating the invited template.

If you have questions regarding abstract submission, please send them to abs-help@aps.org.

15. NATIONAL NUCLEAR PHYSICS SUMMER SCHOOL PLANNING, J. Beacom

The NNPSS Committee is in the process of reviewing suggestions for future Summer Schools, beginning with Summer 2006. The web page of the NNPSS is <http://int.phys.washington.edu/NPSS/>, and a listing of past Schools can be found there along with copies of past lectures. The Schools have been successful and popular, and they are important for both the education and careers of the students. Broad community support for and involvement in the Schools is essential to their success. Your suggestions for sites and/or hosts are welcomed; please send them to the Committee Chair, John Beacom, <beacom@mps.ohio-state.edu>.

16. 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 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" 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 2005 DNP Fellowship Committee is comprised of A. B. Balantekin (Chair), C. R. Gould, B. V. Jacak, C. J. Lister, and M. J. Ramsey-Musolf. 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.

17. NOMINATIONS FOR DNP DISTINGUISHED SERVICE AWARD

Nominations are sought for the Division of Nuclear Physics' Distinguished Service Award. 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. 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. 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.

Nominations are due February 28, 2005 for the award to be given during the 2005 Fall Meeting in Hawaii. Nominations should be limited to a one page description of the candidate's contributions to nuclear physics through the DNP, plus an optional listing of positions held, major committee memberships, and the like. Duplicate nominations are not helpful. Five copies of the nomination should be sent to:

Donald F. Geesaman
Physics Division
Argonne National Lab.
9700 S. Cass Ave.
Argonne, IL 60439

phone: 630-252-4004
fax: 630-252-3903

18. TREASURER'S REPORT, B.F. Gibson

The back page of this newsletter contains a copy of the Treasurer's interim summary report to the DNP Executive Committee presented at DNP04 in Chicago. The DNP Fund balance reflects all income and expenses associated with all past APS spring (April) meetings and all past DNP fall meetings. The substantial improvement in the balance from February 2002 through March 2004 reflects transmittal of the proceeds from several past fall meetings to the DNP's account with the APS. The Bethe Prize Fund is self sustaining and will continue to be so after the APS raises the prize level to \$10,000 in 2006. The Bonner Prize Fund is self sustaining at the current \$7,500 prize level, but the endowment must be raised to \$200,000 in order to support a \$10,000 annual prize. The Nuclear Physics Dissertation Award Fund is self sustaining at the current \$2,000 award level.

19. ANNUAL REVIEWS OF NUCLEAR AND PARTICLE SCIENCE

New Ordering Procedure: Orders should be sent directly to: Annual Reviews, Attn: Clarette Tupper, Customer Service, 4139 El Camino Way, P. O. Box 10139, Palo Alto, CA 94303-0139 (e-mail: ctupper@annualreviews.org). DNP membership will be verified through the DNP prior to shipment of orders.

2004 Prices: The dual prices (separated by a slash) listed below correspond to USA/other countries including Canada. 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 - 50 are \$70/\$75 retail and \$49/\$52.50 for DNP members. Volume 51 is \$75/\$80 retail and \$52.50/\$56.00 for DNP members, and Volume 52 is \$77/\$82 retail and \$53.90/\$57.40 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 should accompany your order and must be in U.S. funds. California orders must add applicable sales tax. *All orders shipped to Canada require the addition of a 7% GST (Reg. #121449029 RT).*

20. CANDIDATE BIOGRAPHIES

NOMINATIONS FOR VICE-CHAIR

Richard G. Milner — MIT Professor of Physics and Director of Bates Linear Accelerator Center. Education: B.Sc. (Hons.) Experimental Physics, National University of Ireland, 1978; M.Sc. Theoretical Physics, National University of Ireland 1979; Ph.D. Physics, Caltech 1984. Employment: Post-doc Caltech 1985-88; Assistant Prof. Physics Dept. MIT 1988-93; Associate Professor Physics Dept. MIT 1993-99; Professor of Physics MIT 1999-present; Bates Director 1998-present. Research highlights: Development of polarized ^3He gas targets; Experimental search for color transparency using quasielastic ($e,e'p$) scattering from nuclei; Co-originator and leader of HERMES experiment at DESY; Co-originator and leader of BLAST experiment at MIT-Bates. Professional Service: DNP Advisory Committee 1993-95; Editorial Board Physical Review C 1998-2000; Executive Committee, DNP APS 1998-2000; International Spin Physics Committee 2001-2005; Editorial Board European Physical Journal A 2002-present; Advisory and review committees for DOE, NSF, JLab, BNL, IUCF, MIT, Mainz-Bonn, and Canadian and German governments. Research interests: Structure and properties of hadrons; polarized beams and targets; future accelerators to probe the structure of matter.

John F. Wilkerson — University of Washington. Ph.D. in Physics, University of North Carolina, 1982. Postdoctoral Fellow, Los Alamos National Laboratory, 1982-1985; Staff Member, Los Alamos National Laboratory, 1985-1994; Professor of Physics, University of Washington 1994-present; Associate Chair, Department of Physics, University of Washington, 1999-2001; Associate Vice Provost for Research, University of Washington, 2003-present. APS DNP National Nuclear Physics Summer School Committee, 2001-present (Chair 2003). APS DNP Nominating Committee, 2001-2003 (Chair 2003). APS DNP Home Page Committee, 1998-2002 (Chair 1998-2000). APS DNP Executive Committee, 1998-2000. APS, Committee on Meetings, 1996-1998. APS DNP Program Committee, 1996-1998. Laboratori Nazionali del Gran Sasso, International Scientific Advisory Committee 2002-present. Pacific Northwest National Laboratory-University of Washington Joint Board 2003-present (Co-chair). APS Neutrino Study, Neutrinoless double beta decay and direct searches for neutrino mass working group, 2003-present. NSAC Sub-committee on

Fundamental Science with Neutrons, 2003. National Underground Science Laboratory Committee, 2000-2001. DNP Town Meeting on Symmetries, Neutrinos and Astrophysics Organizing Committee, coordinator of Neutrinos and Astrophysics, 2000. LDRD Nuclear and Particle Physics Advisory Committee, Los Alamos National Laboratory, 1990-1992. Organizing Committee, Rencontre de Moriond Workshop, 1990-1993. Fellow, American Physical Society. Research Interests: Neutrino physics and astrophysics. Precision tests of Weak Interactions. Nuclear and particle astrophysics. Underground science.

NOMINATION FOR SECRETARY-TREASURER

Benjamin F. Gibson – Staff Member, Los Alamos National Laboratory, 1972–; Group Leader, 1982–86; B. A. Rice University, 1961; Ph.D. Stanford University, 1966; Post Doctoral Fellow, LLNL, 1966–68; NRC Post Doctoral Research Associate, NBS, Gaithersburg, 1968–70; Research Associate, Brooklyn College of the CUNY, 1970–72. APS Fellow, 1983; JSPS Research Fellow, Sendai, 1984; Murdoch Fellow, INT Seattle, 1992; Humboldt Research Award for Senior U.S. Scientists, Jülich, 1992–. DOE Users Review Panel, 1983; NSAC Subcommittee on Computers and Computing, 1984–85; Bates Program Advisory Committee, 1985–89, 1998–; LAMPF Program Advisory Committee, 1993; NSF Review Panel for IUCF, 1993; Few-Body Systems Topical Group Vice-Chair, Chair-Elect, and Chair, 1990–93; DNP Program Committee, 1990–92; Natural Sciences and Engineering Research Council of Canada, Subatomic Physics Grant Selection Committee, 1994–96; NSF Nuclear Theory Panel, 1997–98. Editorial Board of *Physical Review C*, 1978–79, 1987–88; Editorial Board of *Few Body Systems*, 1986–91, 1992–97, 1998–; Associate Editor of *Physical Review C*, 1988–92, 1993–97, 1998–2002; Editor of *Physical Review C*, 2002–. Organizing Committee for the DNP Fall Meeting, 1989; local organizer for the DNP Light Hadronic Probes Town Meeting, 1989; Co-Organizer of New Vistas in Physics with High Energy Pion Beams, 1992; Program Chair for the APS April Meeting, 1993; Co-Organizer of Properties and Interactions of Hyperons, 1993; Organizing Committee for Baryons'95, 1995; Organizing Committee for LUGI Symposium: 20 Years of Meson Factory Physics, 1996; Co-Organizer, ECT* Workshop, 1999; Co-Organizer, INT Workshop, 2001; Co-Organizer, INT Fall Program, 2003; Co-Organizer, ECT* Program, 2005; Organizing Committee for PANIC 2005. DNP Secretary-Treasurer, 1995–. Research interests: few-body systems, hypernuclei, electromagnetic interactions in nuclei, meson interactions with nuclei, parity nonconservation in nuclear systems, hadron structure.

NOMINATIONS FOR EXECUTIVE COMMITTEE

Ani Aprahamian — Professor and Chair, Department of Physics, University of Notre Dame. Prof. Aprahamian is also the PI and director of the Nuclear Structure Laboratory at ND. Ph.D. in Nuclear Chemistry from Clark University, 1986. Fellow of the APS, member of NSAC, DNP Program Committee, APS Committee on International Freedom of scientists, NRC committee on Smaller Facilities for the National Academies, member of users executive committees for the NSCL at MSU, HRIBF at Oak Ridge National Laboratory, LANSCE at Los Alamos National Laboratory, and the National Laser Users Facility at the University of Rochester. Visiting scientist at GANIL and the Institute Laue Langevin in France, University of Surrey in UK, Los Alamos and Lawrence Livermore National Laboratories. The NSL is one of three US low energy nuclear physics laboratories supported by the NSF. The research effort of the laboratory is built around three accelerators

(JN-VdG, KN-VdG, and an FN-Tandem) and a broad program in low energy Nuclear Astrophysics. Present research interests span from studies of exotic weakly bound neutron-rich nuclear systems that can be produced at ND using TWINSOL, to studies of nuclear structure aspects of neutron-rich nuclei that may be involved in r-process nucleosynthesis, and to the application of symmetries in describing vibrational dynamics in nuclei.

John R. Arrington — Assistant Physicist, Argonne National Laboratory, 2001-present. Post-doctoral Research Associate, Argonne National Laboratory, 1998-2000. Ph.D., Physics, Caltech, 1998. B.S., Applied Mathematics, Engineering, and Physics, University of Wisconsin, 1990. Member of the Jefferson Lab Users' Group Board of Directors, 2004. Local organizing committee, 2004 DNP fall meeting. Member of the Jefferson Lab Hall C Steering Committee, 2003. Recipient of the DNP Dissertation Award in Nuclear Physics, 2000. Involved in research at Jefferson Lab, MIT-Bates, SLAC, HERA, Fermilab, and BINP (Novosibirsk). Research interests: Nucleon structure, short-range structure of nuclei, effects of partonic degrees of freedom and QCD in nuclei.

Anna C. Hayes — Staff member, Theoretical Division at Los Alamos National Laboratory. Ph.D, Yale University 1986, followed by postdoctoral positions at University of Minnesota and at Los Alamos. In 1991 she joined the nuclear physics staff at Chalk River in Canada, where her research interests focused mainly on nuclear structure and weak interaction in nuclei. Since joining Los Alamos in 1997 her interests have broadened also to include the application of nuclear physics to threat reduction and national security. She is currently the chairman of the LANSCE User group executive committee and a member of the LANSCE advisory board. She was elected a fellow of the APS in 2002.

David Hertzog — Professional: Professor of Physics, University of Illinois at Urbana-Champaign (UIUC), 1997-present, Associate Professor, UIUC, 1992-1997, Associate, Center for Advanced Study, UIUC, 1990, Assistant Professor, UIUC, 1986-1992; Ph.D. College of William & Mary, 1986. Recognitions: Guggenheim Foundation Fellowship, 2004; BP Amoco Award for Innovation in Undergraduate Instruction, 2003; Fellow American Physical Society, 2000; University Scholar, 2000; Amoco Award for Innovation in Undergraduate Education, 1997; Everitt Award for Teaching Excellence, 1994; W. Keck Foundation Award for Engineering Teaching Excellence, 1994; Service: APS Publications Oversight Committee, 1995-1998; Steering Committee, Hadron Beams Town Meeting, 1995; Nuclear Physics DOE National Review Panel, 1994; DOE Review Panel for Los Alamos Nuclear program, Sept. 1996; DOE Review Panel STAR Endcap EM Calorimeter, May. 1999, Feb., 2000; Scientific Review of KFA-Jülich COSY Project, Germany, Sept. 1999; Nuclear Science Advisory Committee, 1995-1998; NSAC Subpanel on DOE-sponsored Intermediate Energy Nuclear Science, 1998; NSAC Long Range Planning, Steering Committee, Hadron Beams Town Meeting; NSAC Long Range Plan Writing Group Member 1995; Brookhaven AGS Users Executive Committee 1994-1996; Chairman AGS/RHIC Users Executive Committee, 1997-1999; Organizing Committee and Session Coordinator, Baryons '95 Conference, Oct. 1995; Steering Committee Hadron Physics in the 21st Century, Mar.1998; Scientific Council of the Institute of Nuclear Physics of Forschungszentrum Jülich GmbH, 2001-2002; Organizing Committee, Electromagnetic and Hadron Physics Town Meeting, 2000; Organizing Committee, Fundamental Symmetries Town Meeting, 2000; Division of Nuclear Physics Program Committee 2001-2003; NSAC Long Range Plan Working Group, 2001; NSF Experimental Nuclear Physics Review Panel, 2001; Vice Chairman Conference on the Intersections of Nuclear and

Particle Physics, May 2003, (Chairman for 2006); Present Research: Experimental low-energy fundamental symmetries (muon $g-2$, muon lifetime).

Michael J. Ramsey-Musolf – Senior Research Associate, California Institute of Technology (2001-present); Associate Professor of Physics, University of Connecticut (1997-2004); Junior Fellow & Research Assistant Professor, Institute for Nuclear Theory and University of Washington (1996-1998); Assistant Professor of Physics, Old Dominion University (1992-1996); Senior Staff Scientist, Jefferson Lab (1992-1996); post-doctoral research associate, MIT (1989-1992). Education: Ph.D. in physics, Princeton (1989); M.Div, Episcopal Divinity School (1993); B.A., Pomona College (1984). Fellow, American Physical Society (2001); NSF Young Investigator Award (1993-1998); Dissertation Award in Nuclear Physics (1990). Co-Chair, Sub-Z0 Working Group on Precision Electroweak Physics (2002-present); Vice-Chair, 2005 Gordon Research Conference in Nuclear Physics; Member INT National Advisory Committee (2004); Chair, Bonner Prize Committee (1996); Member DNP Dissertation Award Committee (1997-1998); Co-Organizer, INT program on Weak Interactions (2002, 1995); Co-organizer, ECT* program on Parity Violation (2000); Member, NSAC Subcommittee on Neutron Science (2003). Research Interests: Electroweak interactions; physics beyond the Standard Model; fundamental symmetries; effective field theories; hadron structure.

Warren Rogers – Professor, Westmont College (1994), Assistant Professor, SUNY Geneseo (1988-94), Visiting Research Scientist, U. Rochester (1991-92), Visiting Assistant Professor U. Washington (1989-90), Postdoctoral Research Associate U. Washington (1987-88), Ph.D. Experimental Nuclear Physics, U. Rochester (1986), B.S. Physics, Harvey Mudd College (1981); NSAC Education Subcommittee (2003), DNP Education Committee (1999), APS Committee on Education (1994); Founder and Organizer of the “Conference Experience for Undergraduates” (CEU) (1998-present). Member, Modular Neutron Array (MoNA) collaboration. Research Interests: Ground and excited state nuclear magnetic moment measurements, light neutron-rich nuclei near the drip-line, education issues impacting undergraduates in nuclear physics.

21. FUTURE CONFERENCES

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

“The International Conference on Nuclear Structure, Astrophysics and Reactions (NUSTAR’05),”

5-8 January 2005,

University of Surrey, Guildford, UK.

Chair: Paddy Regan

E-mail: p.regan@surrey.ac.uk

URL: <http://www.ph.surrey.ac.uk/cnrp/nustar05>

“3rd Asia-Pacific Conference on Few-Body Problems in Physics,”

25-30 July 2005,

Suranaree Univ. Tech. Nakhon Ratchasima, Thailand

Chair: P. Suebka, Sec: Y. Yan

E-mail: yupeng@css.sut.ac.th

Fax: +66-44-22-4185

URL: <http://physics4.sut.ac.th>

“Applied Modeling And Computations In Nuclear Science (at the American Chemical Society National Meeting)”

28 August - 1 September 2005, Washington DC,

Contact: Thomas Semkow New York State Dept. of Health & SUNY

FAX: 518-474-8590

email: tms15@health.state.ny.us

URL: <http://www.cofc.edu/~nuclear/>

2005WashingtonComputationSymposium.pdf

“CGS 12, International Conference on Capture Gamma Ray Spectroscopy and Related Topics”

4-9 Sept. 2005

University of Notre Dame

Chair: Ani Aprahamian

Email: Aprahamian.1@nd.edu

URL: <http://www.nd.edu/~nsl/CGS12>

“International Conference on Nucleus-Nucleus collisions (NN2006),”

2006, San Paulo-Brazil

Chair: Mahir S. Hussein, Univ. Sao Paulo

E-mail: Hussein@fma51.if.usp.br

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TREASURY REPORT
OCTOBER 2004

	9/30/04	3/31/04	2/28/03	2/28/02
DNP Fund Balance	\$251,578	\$252,646	\$152,316	\$ 62,276

	9/30/04	12/31/03	12/31/02	12/31/01
Bethe Prize	\$212,125	\$209,895	\$206,568	\$199,033
Bonner Prize	\$163,779	\$163,197	\$161,749	\$156,784
Dissertation Award	\$ 49,599	\$ 49,320	\$ 48,823	\$ 47,268