

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

ACCOMPANYING THIS NEWSLETTER:

- DNP Nomination Ballot



Future Deadlines

- **1 July 2007** — Nomination Ballot, DNP Elections
- **1 July 2007** — Contributed Abstracts, Fall Mtg.
- **1 July 2007** — Nominations for Bonner Prize
- **1 July 2007** — Nominations for Bethe Prize
- **1 July 2007** — Nominations for Dissertation Award
- **31 Aug 2007** — Early Registration, DNP07
- **8 Sep 2007** — Hotel Reservation, DNP07

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@nscl.msu.edu>

1. DNP COMMITTEES

Executive Committee

Richard G. Milner, MIT, Chair (2007)
Richard F. Casten, Yale, Chair Elect (2007)
Lawrence S. Cardman, Jefferson Lab., Vice Chair (2007)
Susan J. Seestrom, LANL, Past Chair (2007)
Benjamin F. Gibson, LANL, Sec.-Treas. (2007)
A. Baha Balantekin, Univ. of Wisconsin
Divisional Councilor (December 2009)
Jolie A. Cizewski, Rutgers Univ. (2007)
Thomas Glasmacher, Michigan State Univ., (2008)
Cynthia E. Keppel, Hampton Univ. (2007)
Krishna S. Kumar, Univ. Mass.-Amherst, (2008)
Michael J. Ramsey-Musolf, CALTECH, (2008)
Steven E. Vigdor, Indiana Univ., (2007)

Program Committee

Richard F. Casten, Yale, (Chair)
Lawrence S. Cardman, Jefferson Lab., (Vice Chair)
Richard G. Milner, MIT, (Past Chair 2006)
Susan J. Seestrom, LANL, (Past Chair 2005)
B. F. Gibson, LANL, (Secretary-Treasurer)
A. Deshpande, Stony Brook Univ.
A. Hime, LANL
K. Kumar, Univ of Mass-Amherst
A. C. Mignerey, Univ. of Maryland

W. Nazarewicz, Univ. of Tennessee
J. W. Van Orden, Jefferson Lab.
S. A. Page, Univ. of Manitoba
W. Rogers, Westmont College
H. Schatz, Michigan State Univ.
J. H. Thomas, BNL
W. Vogelsang, BNL/RIKEN
M. Wiescher, Univ. of Notre Dame

Remaining committees will appear in August.

2. NOMINATIONS OF OFFICERS AND EXECUTIVE COMMITTEE FOR 2008

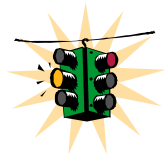
Terms of the officers and three members of the present Executive Committee will expire at the close of the regular meeting of the Division to be held in conjunction with the APS 2008 spring meeting in St. Louis, MO. Richard F. Casten will become Chair, Lawrence S. Cardman will become Chair-Elect, and Thomas Glasmacher, Krishna Kumar, and Michael Ramsey-Musolf 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 2008.

The enclosed nominating 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 nominating ballot can be downloaded. It should be received by **Benjamin F. Gibson** on or before **1 July 2007** in order to be counted. The DNP bylaws require that a nominee proposed for a given post by not fewer than one-fiftieth of the members (50 for this election) shall be deemed nominated for that post.

If you are a DNP member, please exercise your right to nominate candidates for the upcoming DNP elections. In 2006 there were only 100 nomination forms received by the Secretary-Treasurer. More members vote in the DNP elections, but in January 2007 only some 750 members voted. **It is important to vote!**

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CALL FOR PRIZE/AWARD NOMINATIONS

3. NOMINATIONS FOR THE 2008 TOM W. BONNER PRIZE IN NUCLEAR PHYSICS

This annual prize was established in 1964 as a memorial to Tom W. Bonner by his friends, students and associates. Previous winners are: H. H. Barschall, R. J. Van de Graaff, C. C. Lauritsen, R. G. Herb, G. Breit, W. A. Fowler, M. Goldhaber, J. D. Anderson and D. Robson, H. Feshbach, D. H. Wilkinson, C. S. Wu, J. P. Schiffer, S. T. Butler and G. R. Satchler, S. Polikanov and V. M. Strutinsky, Roy Middelton and W. Haeberli, R. M. Diamond and F. S. Stephens, B. L. Cohen, G. E. Brown, C. D. Goodman, H. A. Enge, E. G. Adelberger, L. M. Bollinger, B. Frois and I. Sick, R. H. Davis, E. M. Henley, V. W. Hughes, P. Twin, H. G. Blosser and R. E. Pollock, A. Arima and F. Iachello, E. K. Warburton, F. Boehm, J. D. Walecka, R. G. H. Robertson, J. M. Moss, V. R. Pandharipande, R. Arnold, R. Geller and C. Lyneis, J. D. Bowman, A. B. McDonald, G. F. Bertsch, R. J. Holt, J. C. Hardy, and I.S. Towner, and S. J. Freedman.

The purpose of this prize, which currently consists of \$7,500 and a certificate citing the recipient's contributions, 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. There are no time limitations on when the work was performed. The prize shall ordinarily be awarded 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. It is extremely helpful for the committee to receive additional letters of support that detail the contributions of the nominee and the impact these contributions have had on the field. It is also appropriate to submit material such as significant articles that might help us evaluate the nominee's contribution. While general statements concerning the value of the nominee's work are important, we must have specific information that allows us to determine what the nominee has contributed and how this contribution has impacted the field.

Send name of proposed candidate and supporting material before **1 July 2007** to: A. Aprahamian, Dept. of Physics, Univ. of Notre Dame, 225 Nieuwland Science Hall, Notre Dame, IN 46556.

4. NOMINATIONS FOR THE 2008 BETHE PRIZE IN NUCLEAR PHYSICS AND ASTROPHYSICS

This annual prize was established in 1996 by friends, students, and associates of Hans A. Bethe and announced at Bethe's 90th birthday celebration at Cornell. Previous prize winners are: J. Bahcall, E. E. Salpeter, I. Talmi, G. E. Brown, M. C. T. Wiescher, W. C. Haxton, S. E. Woosley, A. G. W. Cameron, and J. R. Wilson.

The purpose of the prize, which currently consists of \$7500 and a certificate citing the recipient's contributions, is *"To recognize outstanding work in theory, experiment, or observation in the areas of astrophysics, nuclear physics, nuclear astrophysics or closely related fields."*

The award is to be made to one individual for outstanding accomplishments in these areas. No time limits are set on when the work was done.

Nominations remain active for three years. It is extremely helpful for the committee to receive additional letters of support that detail the contributions of the nominee and the impact these contributions have had on the field. It is also appropriate to submit material such as significant articles that might help the committee evaluate the nominee's contribution. While general statements concerning the value of the nominee's work are important, specific information defining what the nominee has contributed and how this contribution has impacted the field is needed.

Send name of proposed candidate and supporting material before **1 July 2007** to: R. E. Tribble, Cyclotron Inst Texas, A&M Univ College Station, TX 77843.

5. NOMINATIONS FOR THE 2008 DISSERTATION AWARD IN NUCLEAR PHYSICS

The annual award, which recognizes a recent Ph.D. in nuclear physics, was established in 1985 by members and friends of the Division of Nuclear Physics of the APS. Previous winners are: B. Sherrill and W. J. Burger, Thomas E. Cowan, Michael J. Musolf, James Edward Koster, Zhiping Zhao, Greg Schmid, Yury G. Kolomensky, Eric Hawker, John Arrington, Daniel Bardayan, Juinn-Wei Chen, Karsten Heeger, Andrew Steiner, Andriy Kurylov, Li-Bang Wang, and Kathryn Miknaitis and Magdalena Djordjevic.

Nature: The award consists of \$2000 and an allowance for travel to the annual Spring Meeting of the Division of Nuclear Physics of the American Physical Society at which the award will be presented.

Rules and Eligibility: 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 1 July 2007.

Send before **1 July 2007** the nomination of the proposed candidate, a statement of his/her contribution to the research as well as that of others and a letter of support from physicists who are familiar with the candidate and the research. To expedite the process, copies of the thesis should be made available for the five committee members. These materials are required for each nominee and should be sent to R. G. Milner, 26-411 Dept. of Physics, MIT, 77 Massachusetts Ave., Cambridge, MA 02139.

6. BOY SCOUT MERIT BADGE CORRECTION

The Boy Scout Merit Badge insert in the DNP November newsletter contained inappropriate statements that encouraged DNP members to become active in an organization (the Boy Scouts of America) whose policies are objectionable to some individual DNP members. The Division of Nuclear Physics is an organization of individuals united by our common desire to advance the field of nuclear physics. We welcome all who share this goal, regardless of race, gender, sexual preference, or nationality. The DNP Executive Committee apologizes for the specific "encouragement to participate" in the November newsletter insert. In the future, when asked by an outside organization, the DNP will provide advice and factual information on issues that involve nuclear physics with neither implied support nor lack thereof for that organization's policies.

7. FUTURE DNP FALL MEETINGS

2008	Oct. 22-26	Oakland, CA
2009	Oct. 13-17	Waikaloa, HI

The dates include the “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 other than their own.

8. FUTURE APS SPRING MEETING INFORMATION

2008	April 12 – 15	St. Louis, MO
2009	May 2-5	Denver, CO

The 2008 APS Spring Meeting will move to St. Louis, MO. Any comments/suggestions should be sent to APS Meetings Manager, Donna Baudrau (baudrau@aps.org).

9. 2007 NATIONAL NUCLEAR PHYSICS SUMMER SCHOOL, Winston Roberts and Volker Crede

The 19th National Nuclear Physics Summer School will be held on the campus of Florida State University on 8-21 July 2007. The school is intended for advanced graduate students and beginning postdoctoral research scientists in both experimental and theoretical nuclear physics. The primary aim is to provide future research scientists with a broad perspective in current research in the field. Details can be found on the summer school web site: <http://www.physics.fsu.edu/NNPSS>.

The lectures will include:

Ian Thompson, LLNL - Physics of Nuclei
Jozef Dudek, JLab & ODU - Structure of Hadrons
Jeff Blackmon, ORNL - Nuclear Astrophysics
Stuart Freedman, LBNL & UCB - Neutrino Physics
Peter Steinberg, BNL - RHIC Physics
Geoff Greene, ORNL - Fundamental Neutron Physics

Additional special seminars will be given by Boris Kayser, Alexander Volya, Christian Weiss, Ingo Wiedenhover, Achim Schwenk, Abhay Deshpande, Adam Burrows, and Alan Nathan.

The 2007 NNPSS is sponsored by the National Science Foundation, the Department of Energy's Institute for Nuclear Theory, the Jefferson Science Associates, and Florida State University.

10. DNP FALL MEETING IN NEWPORT NEWS, VA 10-13 OCTOBER 2007, J. W. van Orden

The Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society will be held 11-13 October 2007 at the Marriott Hotel and Conference Center, City Center in Newport News, Virginia. Two associated all-day topical workshops will be held on 10 October.

Hotel

All conference meetings and sessions will be held at the hotel. A block of rooms has been reserved for meeting participants at a rate of \$115

plus tax. Information on making hotel reservations will be located on the conference web site conferences.jlab.org/DNP. Hotel reservations should be made by 8 September 2007.

Venue

First referred to as ‘Newportes Newes’ as early as 1621, this tidal area near the mouth of the James River is purported to be the longest continuously named place in the US. Today, Newport News is Virginia’s fifth largest city and home to the Thomas Jefferson National Accelerator Facility (Jefferson Lab). The modern city was founded by Collis Huntington, a builder of the nation’s first transcontinental railroad. He also launched the Newport News Shipyard and Dry Dock Company, today the nation's sole designer, builder and refueler of nuclear-powered aircraft carriers and one of only two companies capable of designing and building nuclear-powered submarines.

Called by some “the new downtown,” City Center at Oyster Point exemplifies New Urbanism at its best, with an eclectic, high-density mix of office, residential and retail areas. Unique shops and distinctive restaurants are within easy open-air walking distance – and all just a mile from Jefferson Lab.

Newport News boasts the world-renowned Mariners’ Museum, home to the newly opened USS Monitor Center with its extraordinary display of artifacts from – and large sections of – the Civil War ironclad. Other nearby sites of interest include the Virginia Living Museum and the Peninsula Fine Arts Center. In addition, Newport News is 20 minutes by car from the historic triangle of Yorktown, Jamestown and Williamsburg. This year marks the 400th anniversary of the founding of Jamestown, the first permanent English settlement in North America, with many celebratory public events planned.

Transportation & weather

Newport News is served by the Newport News-Williamsburg International Airport (about 5 minutes from the hotel), the larger Norfolk International Airport (30 minutes away) and the Richmond International Airport (60 minutes away). Information concerning ground transportation is located on the conference web site. October is Virginia’s driest month, so you can expect clear blue skies and bright fall weather (but it never hurts to bring an umbrella). Evenings are sometimes cool, while daytime temperatures could easily range into the 70s or higher.

Registration

Conference registration will be through the conference web site conferences.jlab.org/DNP. Any questions should be addressed to DNP2007@jlab.org.

Registration costs and deadlines are listed in the following table.

	Members	Nonmembers	Students/ unemployed	Workshop
Early Registration (Aug. 31)	\$200	\$400	\$100	\$ 60
Late Registration (Sept. 1-Oct. 1)	\$250	\$450	\$125	\$ 80
On-site Registration	\$300	\$500	\$150	\$100

A banquet will be held at the Marriott on Friday evening. Tickets are available through the conference web site for an additional \$55 fee.

Meeting Structure

The meeting will follow the traditional structure with a plenary session on the morning of Thursday, 11 October. Invited and contributed talks as well as mini-symposia will be presented from Thursday through Saturday afternoons.

Two all-day workshops will be held in parallel on Wednesday, 10 October. The titles of these workshops are: "Electroweak and Precision Physics" and "Hard Scattering Processes and 3D-Parton Distributions". More information on these workshops will appear on the conference web site.

Satellite Meetings

It is expected that a number of user group meetings and other satellite meetings will occur in conjunction with the DNP meeting. Please contact the organizers at DNP2007@jlab.org to make arrangements for satellite meetings. The deadline for arranging satellite meetings is 15 August 2007.

Abstracts

The deadline for electronic submission of abstracts is 2 July 2007. The meeting ID is DNP07. Instructions will be available at <http://www.aps.org/meet/abstracts/meet-abstracts.html>. Abstracts must be submitted directly through <http://abstracts.aps.org>.

Local Organizing Committee

J. Wallace Van Orden^{1,2} (Chair), David Armstrong³, Peter Bosted², Jozef Dudek^{1,2}, Latifa Elouadrhiri², Douglas Higinbotham², and Cynthia Keppel^{4,2}.

¹Old Dominion University, ²Jefferson Lab, ³College of William & Mary, ⁴Hampton University.

Important Dates

2 July 2007	Submission of abstracts
15 August 2007	Requests for satellite meetings
31 August 2007	Early registration ends
8 September 2007	Conference Hotel Deadline
1 October 2007	Late Registration Ends

11. 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.

2007 Prices: The dual prices (separated by a slash) listed below correspond to USA/other countries including Canada. Volume 53 is \$80/\$85 retail and \$56/\$59.50 for DNP members. Volume 54 is \$84/\$89 retail and \$58.80/\$62.30 for DNP members. Volume 55 is \$86/\$91 retail and \$60.20/\$63.70 for DNP members. Volume 56 will be \$80 retail and \$56 for DNP members. A \$4 handling charge for orders was instituted 1/1/06.

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.

12. FUTURE CONFERENCES

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

"Fifth International Workshop on Neutrino-Nucleus Interactions in the Few-GeV Region" (NuInt07)

30 May - 3 June 2007, Fermilab
<http://conferences.fnal.gov/nuint07/>

"Int'l Workshop on Nuclear Physics at J-PARC"

1-2 June 2007, Tokai, Japan
Chair: Tomofumi Nagae
Email: npjparc@nexus.kek.jp
http://www-conf.kek.jp/NP_JPARC/index.html

"23rd International Nuclear Physics Conference (INPC2007)"

3 - 8 June 2007, Tokyo, Japan
Chair: Shoji Nagamiya
Scientific Secretary: Toshimi Suda, RIKEN
Email: toshimi.suda@riken.jp
<http://www.inpc2007.jp>

"Advanced Many-Body Methods for Nuclear Structure"

2-6 July 2007, ECT*, Trento, Italy
Organizers: C. Barbieri, R. Roth, D. Dean
Email: C.Barbieri@gsi.de
<http://theory.gsi.de/~barbieri/AdvManyBody/index.html>

"11th International Conference on Meson-Nucleon Physics and the Structure of the Nucleon (MENU 2007)"

10 - 14 September 2007, Forschungszentrum Juelich, Germany
Scientific Secretary: Su. Schsmand
Email: menu2007@fz-juelich.de
<http://www.fz-juelich.de/ikp/menu2007/>

"20th European Few-Body Conference"

10 - 14 September 2007, Pisa, Italy
Chairs: Alejandro Kievsky and Michele Viviani
Email: efb20@pi.infn.it
<http://www.pi.infn.it/efb20>

"International Symposium on New Facets of the Three-Nucleon Force - 50 years of the Fujita-Miyazawa Three-Nucleon Force"

29 - 31 October 2007, University of Tokyo, Tokyo, Japan
Chair: Hideyuki Sakai (Univ. of Tokyo)
Conf. Secretary: Kimiko Sekiguchi (RIKEN)
Email: fm50@nucl.phys.s.u-tokyo.ac.jp
<http://nucl.phys.s.u-tokyo.ac.jp/FM50/>

"IEEE Nuclear Science Symposium and Medical Imaging Conference"

28 October - 3 November 2007, Oahu/Hawaii, USA
Chair: Benjamin M. W. Tsui
Email: nss-mic2007@jhmi.edu
<http://www.nss-mic.org/2007>

"18th International Symposium on Spin Physics (SPIN2008)"

6-11 October 2008, University of Virginia
Contact: Donal Day
Email: dbd@virginia.edu
<http://faculty.virginia.edu/SPIN2008>

“18th Particle And Nuclei International Conference” (PANIC 08)

9 – 14 November 2008, Eilat, Israel

Chair: Itzhak Tserruya

Email: panic08@weizmann.ac.il

Phone: 972-8-9343835

Fax: 972-8-9344172

<http://www.weizmann.ac.il/conferences/panic08/>

13. TREASURER'S REPORT

The summary of the DNP balance of funds with the APS along with the balances for the Bethe Prize, Bonner Prize, and Dissertation Award accounts, as reported to the DNP Executive Committee and at the April 2007 DNP Business Meeting, are printed below. The Treasury is in good condition, as it needs to be when meetings such as the Joint DNP/JPS Hawaii meetings are undertaken.

To provide a brief outline of major DNP expenses, DNP funds have been used for a number of worthy causes: support for public lectures, physics Olympics, graduate student awards to encourage participation in the spring meeting (and Hawaii 2005), Conference Experience for Undergraduate support to attend the DNP Fall Meeting, support for the APS International travel grant program, support for the APS Congressional Fellow program, publication of the DNP newsletter, printing/distribution of the Nobel Prize Poster, and sorters meeting expenses for the fall and spring meetings. The DNP has recently paid the Bonner prize from DNP funds, so that earnings could accumulate to the \$200,000 endowment required by the APS to raise the prize to the \$10,000 level. Traditionally, Bonner Prize recipient expenses have been paid from DNP funds. The Bethe Prize endowment has already reached that level. The DNP also contributed to the publication costs for the joint APS unit Neutrino study.

**TREASURY REPORT
APRIL 2007**

	2/28/07	2/28/06	3/31/05	3/31/04	2/28/03
DNP Fund Balance	\$192,423	\$205,576	\$298,866	\$252,646	\$ 152,316
	12/31/06	12/31/05	12/31/04	12/31/03	12/31/02
Bethe Prize	\$231,153	\$223,241	\$215,859	\$209,895	\$206,568
Bonner Prize	\$190,546	\$178,364	\$166,659	\$163,197	\$161,749
Dissertation Award	\$ 52,956	\$ 51,677	\$ 50,472	\$ 49,320	\$ 48,823

RICHARD G. MILNER

Chair

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EXECUTIVE COMMITTEE CHAIRS SINCE 1966

SCHIFF, L. I.	1967	KOONIN, S.E.	1988
BARSCHALL, H. H.	1968	EISENSTEIN, R.A.	1989
GOLDHABER, M.	1969	BALL, J.B.	1990
FESHBACH, H.	1970	CRAWLEY, G.M.	1991
PHILLIPS, G.C.	1971	HAXTON, W. C.	1992
LAURITSEN, T.	1972	BENCZER-KOLLER, N.	1993
AJZENBERG-SELOVE, F.	1973	DOVER, C.B.	1994
COHEN, B.L.	1974	WALECKA, J.D.	1995
SCHIFFER, J.P.	1975	RIEDINGER, L.L.	1996
HANNA, S.S.	1976	CLARK, B.C.	1997
WENESER, J.	1977	FREEDMAN, S.J.	1998
HENLEY, E.M.	1978	HENNING, W.F.	1999
AXEL, PETER	1979	ROBERTSON, R.G.H.	2000
HARVEY, B.G.	1980	MOSS, J.M.	2001
GARVEY, G.T.	1981	GLASHAUSSER, C.	2002
AUSTIN, S.M.	1982	BALANTEKIN, A.B.	2003
BERTSCH, G.F.	1983	GEESAMAN, D.F.	2004
HAYWARD, E.	1984	SHERRILL, B.M.	2005
ROSEN, L.	1985	SEESTROM, S.J.	2006
STOKSTAD, R.G.	1986	MILNER, R.G.	2007
ADELBERGER, E.G.	1987		