

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

ACCOMPANYING THIS NEWSLETTER:

- DNP 2006 Poster



Future Deadlines

- **1 April 2006** — APS Fellows Nominations
- **1 July 2006** — Nominations for Bonner Prize
- **1 July 2006** — Nominations for Bethe Prize
- **1 July 2006** — Nominations for Dissertation Award

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. RESULTS OF ELECTION: OFFICERS AND EXECUTIVE COMMITTEE FOR 2005

By the deadline date of 20 January 2006, 749 web ballots or properly identified paper ballots were cast in the election of officers and members of the Executive Committee. The results of the election are as follows: Richard F. Casten was elected as Vice-Chair and Benjamin F. Gibson was elected as Secretary-Treasurer for one-year terms. Jolie A. Cizewski, Cynthia E. Keppel, and Steven E. Vigdor were elected to two-year terms on the Executive Committee. The counting of the paper ballots was done by Kay Grady, of LANL. The members of the 2006 Executive Committee, who assume their duties at the APS April Meeting, are as follows:

- Susan J. Seestrom, LANL, Chair (2006)**
- Richard G. Milner, MIT, Chair Elect (2006)**
- Richard F. Casten, Vice Chair (2006)**
- Bradley M. Sherrill, MSU, Past Chair (2006)**
- Benjamin F. Gibson, LANL, Sec.-Treas. (2005)**
- A. Baha Balantekin, Univ. of Wisconsin**
Divisional Councilor (December 2009)
- Ani Aprahamian, Univ. Notre Dame (2006)**
- Jolie A. Cizewski, Rutgers Univ., (2007)**
- Anna C. Hayes, LANL (2006)**
- David Hertzog, Univ. Illinois (2006)**
- Cynthia E. Keppel, Hampton Univ., (2007)**
- Steven E. Vigdor, Indiana Univ., (2007)**

The DNP wishes to thank all members who agreed to stand for election. The DNP depends entirely on volunteers to carry out the business of the Division.

2. CALL FOR DNP COMMITTEE SUGGESTIONS

The terms of some of the members of the following DNP committees expire in April 2006: Bethe, Bonner, Dissertation, Fellowship, Nominating, Home Page, and Education. Suggestions from the DNP membership for new members of these committees are welcome and should be sent to Susan Seestrom. A list of committee members for 2006/07 will be published in the August newsletter.

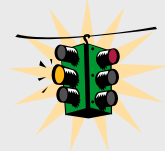
3. NEW DNP FELLOWS

The following DNP members are newly elected (2005) Fellows of the APS. Please join us in offering congratulations.

- Carrol Reid Bingham, University of Tennessee*
- William John Briscoe, George Washington University*
- Alejandro Garcia, University of Washington*
- Thomas Glasmacher, Michigan State University*
- Aksel L. Hallin, Queen's University*
- Hartmut Mathes Hofmann, Institut fur Theoretische Physik der Universitat Erlangen-Nurnberg*
- Charles Earl Hyde-Wright, Old Dominion University*
- Peter Martin Jacobs, Lawrence Berkeley National Lab*
- Krishna Subramanian Kumar, University of Massachusetts*
- Elvira Moya De Guerra, Consejo superior de Investigaciones Cientificas*
- Jorge Piekarewicz, Florida State University*
- Jianwai Qiu, Iowa State University*
- Warren F. Rogers, Westmont College*
- Thomas M. Schaefer, North Carolina State University*
- Michael Thoennessen, Michigan State University*
- James Hayden Thomas, Lawrence Berkeley National Laboratory*
- Michele Viviani, INFN, Pisa Branch, Physics Department*
- Sherry J. Yennello, Texas A&M University*

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- **Spring Meeting Preview**
- **Call for Prize/Fellow Nominations**
- **Fall Meeting in Hawaii**
- **Physical Review News**



4. THE APS APRIL 2006 MEETING IN DALLAS, TX, 22-25 APRIL 2006

The April Meeting 2006 of the American Physical Society will take place in Dallas at the Hyatt Regency Hotel and will be held in conjunction with the annual Sherwood Fusion Theory Conference. The Hyatt hotel is centrally located in downtown Dallas. The downtown is very compact, offering a variety of attractions, restaurants, and shopping all within walking distance of the hotel.

For information about Dallas, please go to the URL
<http://www.visitdallas.com>

For information about the Hyatt hotel, please go to the URL
<http://www.dallas.hyatt.com>
and click on "Hyatt Regency Dallas".

The April Meeting will offer an outstanding scientific program consisting of three plenary sessions (nine plenary talks), approximately 75 invited sessions, more than 100 contributed, and posters sessions. Please note that sessions are shorter (3 invited speakers or 9 contributed papers) than those at the DNP fall meeting, to accommodate a lunch break. Participating APS units include:

Divisions: Astrophysics, Nuclear Physics, Particles and Fields, Physics of Beams, Plasma Physics, Computational Physics

Forums: Education, Physics and Society, International Affairs, History of Physics, and Graduate Student Affairs

Topical Groups: Few-Body Systems, Precision Measurement and Fundamental Constants, Gravitation, Plasma Astrophysics, and Hadronic Physics

APS Job Fair

April 23 - 24, 2006
Hyatt Regency Hotel
Dallas, TX.

See the meeting URL for important dates. Whether looking for a job or recruiting, the American Physical Society April Meeting Job Fair is the place to be! The Job Fair will provide job seekers and hiring managers with unsurpassed recruitment and networking opportunities. Job seekers can utilize the Job Fair services to:

- * Network with technical staff and human resource recruiters
- * Post your resume and search open positions
- * Interview for positions

Job Seeker/Candidate Registration can be found at URL
https://www.aip.org/forms/candreg_apsapril06.html For more information about the Job Fair, please contact Alix Brice using abrice@aip.org or at 301-209-3187.

E-mail Service

E-mail service will be available during the hours of registration only for April Meeting attendees to retrieve and send e-mail messages as follows:

- * Friday, April 21 3:00pm - 8:00pm
- * Saturday, April 22 7:00am - 5:00pm
- * Sunday, April 23 7:00am - 3:00pm
- * Monday, April 24 7:00am - 3:00pm
- * Tuesday, April 25 7:00am - 2:00pm

Note: The APS offers e-mail access to attendees as a service. We cannot provide unlimited access to e-mail stations, both in terms of the

number of e-mail stations available for use and the time they are available

Don't Forget:

- * Register early to save - early registration (lowest fees) deadline is February 17. After this fees are higher
- * You can register on-line and receive immediate confirmation.
- * Don't delay in making your hotel reservation to ensure you get the hotel of your choice at the convention rate-cut off date is March 20.
- * Save money- share a room - use the APS Roommate Bulletin Board to find a roommate.

The DNP Program Committee, under the leadership of Program Committee Susan Seestrom, has organized a full slate of sessions. DNP sessions include: Light Exotic Nuclei (deYoung, Wuosmaa, Rogachev); Primordial Nucleosynthesis (Smith, Tytler, Wandelt); Topics in Nuclear Physics (Dean, Zegers, Thomas); Applications of Nuclear Science (Wang, Kouzes, Majewski); DNP Prize Session (Towner, Hardy, Truran). The Joint sessions include: Underground Labs: Plans and Progress, DNP/DPF (Scholberg, Beier, Sinclair); A High Luminosity Lepton Ion Collider to Study QCD, DNP/DPB (Farkhondeh, Deshpande, Venugopalan); Study of Hadron Structure Using Spin Polarized Beams, DNP/DPB (Bai, Poelker, Howell); Neutrino II, DNP/DPF (Vogel, Gallagher, Berger); 50 Years Since the Discovery of Parity Nonconservation in the Weak Interactions I, FHP/DNP (Lee, Hudson, Yuan); Notes from Underground DNP/DPF (Gratta, Vagins, Goldschmidt); Dark Matter, DNP/DPF (Hinchliffe, Shutt, Sikivie). The DNP Mini-symposia include: Toward a Universal Density Functional Theory for Nuclei I (Duget); The Spin Structure of the Nucleon (Vogelsang); Toward a Universal Density Functional Theory for Nuclei II (Furnstahl); Nuclei and Nuclear Matter at Non-Normal Density I (Natowitz); Electro-Weak Interactions (Armstrong) Nuclei and Nuclear Matter at Non-Normal Density II (Zielinska-Pfabe); Parton Distributions at Larger X: Data and Challenges (Owens); Advances in Zero- and Finite-Temperature Lattice QCD (Petreczky, Savage); Heavy Quark Energy Loss & Flow;

Plenary sessions are scheduled on Saturday, Monday, and Tuesday. The speakers and tentative titles are:

Saturday, April 22

- 1) "Voyager Data and the Termination Lock" Edward Stone, CalTech
- 2) "Liquid Phase Quark-Gluon Plasma" Barbara Jacak, SUNY, Stony Brook
- 3) "Recent Results from MiniBoone" Hira Tanaka, Princeton
Monday, April 24

- 1) "Neutrinos and Cosmology" Nicole Bell, CalTech
- 2) "Computational Techniques and Plasma Turbulence" William Dorland, University of Maryland
- 3) "Cochlear Implants and the Physics of Hearing" Ian Shipsey, Purdue University
Tuesday, April 25

- 1) "The Science of Nanotubes" Alex Zettl, UC, Berkeley
- 2) "Results from LIGO" Gabriella Gonzalez, Louisiana State University
- 3) "Physics Prospects and International Aspects of ILC" Albrecht Wagner, DESY.

5. 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 D. F. Geesaman (Chair), E. j. Beise, C. R. Gould, J-C. Peng, 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.

6. CEU PROGRAM AT HAW05, W. Rogers

The 2005 Conference Experience for Undergraduates, held concurrently with the October HAW05 meeting on Maui, had a total of 94 participants from around the country and abroad. This was the 8th such annual CEU event. In addition to participating in the joint DNP/JPS meeting, the students attended two CEU nuclear physics seminars, given by Dr. Hirokazu Tamura and Dr. Rebecca Surman, and met with nuclear scientists from several universities and labs to discuss graduate school opportunities.

7. 2006 DNP FALL MEETING IN NASHVILLE, TN, OCTOBER 25-28, V. Green

The 2006 Fall Meeting of the Division of Nuclear Physics (DNP) will be held at the Gaylord Opryland Resort and Convention Center from Thursday, 26 October, through Saturday, 28 October. The meeting will open with a plenary session on Thursday, and conclude Saturday afternoon. Two topical workshops will be held in parallel the day before the conference begins, on Wednesday 25 October. Information and registration will be available on the conference web site <http://www.phy.ornl.gov/DNP06>.

Hotel

The Gaylord Opryland Resort and Convention Center is the main hotel and conference center for DNP 2006. Information about amenities available at the hotel and resort can be found on the hotel web site at <http://www.gaylordhotels.com/gaylordopryland>. Please note that room reservations should be made through our conference site, not the regular hotel reservations web site. Information about Nashville itself can be found at the URL <http://www.nashvillecvb.com>

Abstracts

The deadline for submission of abstracts is July 1, 2006. The meeting ID is DNP06. Instructions will be available at <http://www.aps.org/meet/abstracts/meet-abstract.html>. The APS no longer accepts abstracts by email. Direct web submission of abstracts can be made through <http://abstracts.aps.org>. Please note that the LaTeX-based processor properly handles ONLY the commands provided in the template.

The conference is organized by Complete Conference Coordinators (CCC), phone: 630-416-3030, fax: 630-416-3333, email: info@cccmeetings.com, or website: <http://www.cccmeetings.com>.

Local Organizing Committee

Victoria Greene (chair)¹, David Dean (co-chair)², Jeff Blackmon², Joe Hamilton¹, Charles Maguire¹, Volker Oberacker¹, David Radford², A.V. Ramayya¹, Sait Umar², Julia Velkowska¹ and Glenn Young²
¹Vanderbilt University; ²ORNL.

8. FUTURE APS SPRING MEETING INFORMATION

2007	April 14 – 17	Jacksonville, FL
2008	April 12 – 15	St. Louis, MO
2009	May 2-5	Denver, CO

Any comments/suggestions should be sent to APS Meetings Manager, Donna Baudrau (baudrau@aps.org).

9. PHYSICAL REVIEW NEWS, C. Wesselborg

Two "Physical Review Letters" Divisional Associate Editors have been welcomed aboard for three year appointments beginning in January 2006:

George D. Dracoulis (Australian National University)
 Jean Barrette (McGill University)

Five new "Physical Review C" Editorial Board members were appointed to three year terms beginning in January 2006:

Jacek Dobaczewski (University of Warsaw)
 António C. Fonseca (University of Lisbon)
 James J. Kelly (University of Maryland)
 C. J. (Kim) Lister (Argonne National Lab)
 Makoto Oka (Tokyo Institute of Technology)

The DNP thanks the departing Editorial Board members for their service: Jonathan Engel, Sydney Gales, Charles Glashauser, Ingemar Ragnarsson, and Hideyuki Sakai.

10. E-MAIL ADDRESS INFORMATION REQUESTED

The APS membership directory is online through the APS Web site (<http://www.aps.org>). Check your own address information — name of the service (directory) and the password (F=ma) are case sensitive.

Despite being computer literate authors — some 85% of the submissions to *Phys. Rev. C* are compuscripts — DNP members do not outshine their fellow APS members in registering their e-mail addresses. Although 95% of the DNP members do have an e-mail address listed with the APS, all are not current. Is yours?

Membership information can be updated by sending an e-mail message to “membership@aps.org” or directly on the Web. Log on to the directory with your password and click on Add/Modify to change your information.

11. ANNUAL REVIEWS OF NUCLEAR AND PARTICLE SCIENCE

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.

2005 Prices: The dual prices (separated by a slash) listed below correspond to USA/other countries including Canada. 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, Volume 52 is \$77/\$82 retail and \$53.90/\$57.40 for DNP members. Volume 53 is \$80/\$85 retail and \$56/\$59.50 for DNP members. Volume 54 is \$84/\$89 retail and \$58/\$62.30 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).*

12. FUTURE CONFERENCES

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

“9th Conference on the Intersections of Particle and Nuclear Physics, CIPANP 2006,” 30 May-3 June 2006

Rio Grande, Puerto Rico
Contact: David W. Hertzog, Chair
E-mail: cipanp2006@uiuc.edu
Phone: +1-217-333-3190
Fax: +1-217-333-1215
URL: <http://cipanp.physics.uiuc.edu>

“Neutrino 2006,” 13 – 19 June 2006, Santa Fe, NM

Contact: Brenda Dingus
URL: <http://neutrinosantafe06.com>

“In Heaven and on Earth 2006: The Nuclear Equation of State in Astrophysics,” 5 – 7 July 2006

Montreal, Canada, Contacts: C. Horowitz or R. Rutledge (co-chairs)
Email: horowit@indiana.edu
URL: <http://www.heavenandearth06.org>

“Third Electron Ion Collider Workshop,” 17 – 24 July 2006

Brookhaven National Laboratory
Contacts: A. Deshpande and R. Milner
Email: abhay@bnl.gov; milner@mit.edu
URL: <http://www.bnl.gov/eic>

“18th International IUPAP Conference On Few-Body Problems In Physics [Few-Body 18 (FB18)]” 21 – 26 August 2006

Santos, Brazil
Contact: Lauro Tomio (chair)
Email: fb18@ift.unesp.br
URL: <http://www.fb18.com.br>

“19th International Conference on Applications of Accelerators in Research and Industry, CAARI-2006,” 20 – 25 August 2006

Ft. Worth, Texas
Contacts: Barney Doyle and Del McDaniel (co-chairs)
Email: caari2006@unt.edu
URL: <http://www.caari2006.com>
2005 Washington Computation Symposium.pdf Committee (2005-06).

“International Conference on Nucleus-Nucleus Collisions (NN2006),” 28 August – 1 September 2006,

San Paulo-Brazil
Chair: Mahir S. Hussein, Univ. Sao Paulo
E-mail: Hussein@fma51.if.usp.br
URL: <http://www.jinancb.org/events/nn2006.html>

“Chiral Dynamics 2006, Theory and Experiment: 5th International Workshop,” 18 – 22 September 2006

Triangle Univ. Nuclear Laboratory (TUNL) & Duke Univ.
Co-Chairs: Haiyan Gao, Barry Holstein, Henry Weller
Scientific Secretary: Mohammad Ahmed
URL: <http://www.tunl.duke.edu/events/cd2006/>
Email: chiral06@tunl.duke.edu
Phone: 919-660-2630
FAX: 919-660-2634

“Hadronic and Electroweak Physics at MIT: Bates Retrospective and Future Prospects,” 28 – 30 September 2006

MIT, Cambridge, MA
Contact: T. William Donnelly
URL: <http://www.BatesSymposium.org>

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