



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

ACCOMPANYING THIS NEWSLETTER:

- Hawaii 2005 Poster



Future Deadlines

- **1 April 2005** — APS Fellows Nominations
- **1 July 2005** — Nominations for Bonner Prize
- **1 July 2005** — Nominations for Bethe Prize
- **1 July 2005** — Nominations for Dissertation Award

HOME PAGE for the DNP: <http://dnp.aps.org>

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 14 January 2005, 475 properly identified ballots were received for the election of officers and members of the Executive Committee. The results of the election are as follows: Richard G. Milner was elected as Vice-Chair and Benjamin F. Gibson was elected as Secretary-Treasurer for one-year terms. Ani Aprahamian, Anna C. Hayes, and David Hertzog were elected to two-year terms on the Executive Committee. The counting of the ballots was done by Tellers Shannon Cowell and Andrew Steiner, supervised by Kay Grady, all of LANL. The members of the 2005 Executive Committee, who assume their duties at the APS April Meeting, are as follows:

Bradley M. Sherrill, MSU, Chair (2005)
Susan J. Seestrom, LANL, Chair Elect (2005)
Richard G. Milner, MIT, Vice Chair (2005)
Donald F. Geesaman, ANL, Past Chair (2005)
Benjamin F. Gibson, LANL, Sec.-Treas. (2005)
Bunny C. Clark, Ohio State Univ.
Divisional Councilor (December 2005)
Ani Aprahamian, Univ. Notre Dame (2006)
Anna C. Hayes, LANL (2006)
David Hertzog, Univ. Illinois (2006)
Kevin T. Lesko, Univ. Calif. Berkeley. (2005)
Alice Mignerey, Univ. of Maryland (2005)
William A. Zajc, Columbia Univ. (2005)

The DNP wishes to thank all members who agreed to stand for election. The DNP depends 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 2005: 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 Brad Sherrill. A list of committee members for 2005/06 will be published in the August newsletter.

3. NEW DNP FELLOWS

The following DNP members are newly elected (2004) Fellows of the APS. Please join us in offering congratulations.

Raymond Francis Bishop, UMIST
Volker Dietmar Burkert, Thomas Jefferson National Accelerator Facility
David Jarvis Dean, Oak Ridge National Laboratory
Steven Ray Elliott, Los Alamos National Laboratory
Henning Esbensen, Argonne National Laboratory
Kenneth H. Hicks, Ohio University
Toshitaka Kajino, National Astronomical Observatory & Dept of Astronomy Grad School of Science
Heinz-Jurgen Kluge, Gesellschaft fur Schwerionenforschung
Curtis A. Meyer, Carnegie Mellon University
Zelin-Eddine Meziani, Temple University
Anthony Mezzacappa, Oak Ridge National Lab
Krishna Rajagopal, MIT
Stephen Steadman, U.S. Department of Energy
Stephen T. Thornton, University of Virginia
Ubirajara L. van Kolck, University of Arizona
Lawrence B. Weinstein, Old Dominion University

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

4. THE APS APRIL 2005 MEETING IN TAMPA, FL, 16-19 APRIL 2005

The April 2005 meeting of the American Physical Society will take place in Tampa at the Marriott Waterside Hotel. Tampa is a west coast Florida city situated on Tampa Bay. The hotel is centrally located in downtown Tampa, near the Channelside Entertainment and Shopping Complex. The downtown is rather compact, offering a variety of

attractions, restaurants, and shopping all within walking distance of the hotel. For more information on Tampa go to: "<http://tampagov.net>" and "<http://visittampabay.com>".

The April Meeting will offer an outstanding scientific program consisting of three plenary sessions, approximately 75 invited sessions, more than 100 contributed, and posters sessions. PLEASE NOTE: Sessions will be shorter (3 invited speakers or 9 contributed papers) to accommodate a lunch break.

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

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

- * Friday, April 15 3:00pm - 8:00pm
- * Saturday, April 16 7:00am - 6:00pm
- * Sunday, April 17 7:00am - 6:00pm
- * Monday, April 18 7:00am - 6:00pm
- * Tuesday, April 19 7:00am - 2:00am

All rooms will be equipped with an LCD projector, overhead projector, screen, lavalier microphone, and pointer. If you plan on doing a PowerPoint presentation, please bring your program on your own laptop computer, and be sure to visit the Speaker Ready Room to run through your presentation to ensure that it goes smoothly during the session. (We recommend that you also bring your presentation on viewgraphs as a back-up to your computer presentation). When you arrive at the session in which you are speaking, if you are using the LCD projector, please have your laptop turned on and ready to go. If you require additional equipment it can be rented by ordering directly through APS's contracted A-V company servicing the meeting. The cost of additional equipment must be covered by the speaker. Please do not send A-V orders to APS. NOTE: you are not allowed to bring/use your own projectors at the meeting.

Attendees planning to attend the April Meeting can pre-plan their schedules by using the "shopping cart" feature of the electronic web program. This service allows the attendee to view the program, select the sessions and talks desired, deposit this information in a personal meeting schedule, and then print out the schedule. The electronic program will be posted to the web in February and the scheduler feature will also be available for use at that time.

A beneficial feature of the meeting is the Job Fair. The purpose of the Job Fair is to facilitate communication between employers and job candidates.

The Job Fair is free of charge to candidates seeking employment. Candidates should register on-site as soon as they arrive. To register, you must show that you have registered for the APS meeting. Job Fair registration includes posting your resume, accessing current job postings, and interviews with prospective employers. Please bring at least 25 copies of your 1-3 page resume. If you are unable to attend, we will gladly post your resume at the Job Fair. Please send a copy of your 1-3 page resume to the address below with a cover letter stating your citizenship and willingness to relocate and reference to the APS APRIL JOB FAIR.

You must register for the meeting in order to attend. Please wear your badge at all times during the meeting. There will be security personnel on-site checking for badges. Attendees without badges will not be allowed into the sessions.

Don't Forget:

- * Register early to save - early registration (lowest fees) deadline is February 11. 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 1.

- * Save money- share a room - use the APS Roommate Bulletin Board (BBS - available January 2005) to find a roommate.

- * Check the APS web site for the special programs.

- * Social activities are listed on the web.

The Program Committee, under the leadership of Program Committee Chair Brad Sherrill, has organized a full slate of sessions. A number of joint sessions have been organized: a DNP/DPB on "Rare Isotope Physics and Facilities," a DNP/DPB session on "Nuclear Physics with High Energy Accelerators", a DNP/FED session on "Mentoring in Physics Education" and a session "Homeland Security," a DNP/DAP session on "Neutron Stars", two DNP/DPF/DAP sessions on "Neutrinos", and DNP/CSWP session entitled "To the Heart of the Matter".

The DNP has 8 stand alone sessions: the DNP Prize session in which the Bethe Prize, Bonner Prize, and Dissertation Award winners speak, a "Medium Modifications of Hadronic Properties" session organized by D. Mack, U. Heinz, and T. Schaefer, an "Alchemy of the Heaviest Elements" session organized by E. Ormand, a "Giant Stars, Evolution and Nucleosynthesis" session organized by J. Blackmon, a "Link between Neutrinos and the Origin of the Elements," a session organized by D. Mack and H. Y. Gao on "Structure of Nucleons and Nuclei" and a session organized by T. Schaefer and U. Heinz on "From Lattice QCD to Nuclear Physics". In addition, the committee has organized two sessions based upon speaker nominations submitted by the DNP membership.

Finally, The DNP Program Committee has organized two mini-symposia for Tampa: a mini-symposium on Heavy Flavor Production at RHIC (T. Hallman and U. Heinz) and a mini-symposium on Pentaquarks and Other Exotics (H.Y. Gao and D. Mack)

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 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.

6. CEU PROGRAM AT DNP04, W. Rogers

The 2004 Conference Experience for Undergraduates, held concurrently with the October DNP04 meeting in Chicago, IL, had a total of 83 participants from around the country and abroad. This was the 7th such annual CEU event. In addition to participating in the general DNP meeting, the students attended two CEU nuclear physics seminars, given by Dr. Hendrik Schultz and Dr. Naomi Makins, and met with nuclear scientists from several universities and labs to discuss graduate school opportunities. The participating students are listed in an insert.

7. 2005 JOINT MEETING ON MAUI WITH THE JAPANESE, S.J. Freedman

The historic first joint meeting of the Division of Nuclear Physics of the American Physical Society (APS) with the nuclear physicists of the Physical Society of Japan (JPS) was a resounding success, with more than 800 participants from Japan and North America, and will be reprised in September. At the closing of HAW01 the International Advisory Committee recommended that steps be taken to insure that another joint meeting in Hawaii would be planned for 2005. The meeting will be held at the Ritz-Carlton (owned by Marriott) on the island of Maui in Hawaii on 18-22 September.

In addition to showcasing exciting nuclear physics, HAW01 fostered cooperation, collaboration, and the exchange of ideas among the nuclear scientists from Japan, the U.S., and other Pacific Rim countries. It provided an unusual opportunity for students from the Japan and the U.S. to meet and discuss their visions of careers in nuclear physics. It is our hope that Hawaii 2005 (HAW05) will serve a similar purpose during this World Year of Physics 2005 (see #12).

Hotel

Locating a suitable site for Hawaii 2001 involved a painstaking inspection of candidate sites on the various Hawaiian Islands. Hard working DNP Officers braved the brutal Hawaiian winter and a grueling schedule of resort inspections (restaurant testing, beach appraisals, amenity evaluations, etc.) in a relentless quest for the optimum venue. After identifying the Outrigger Wailea Resort, Carol Kuc of Complete Conference Coordinators spearheaded the marathon negotiations to

obtain an affordable room rate, comparable to that one might pay in Chicago, New York, or DC. The Outrigger waived the resort fee and provided free snorkel equipment rental each day. Following Hawaii 2001 the decision was made to return to the Outrigger in 2005, and a contract was signed by the APS on behalf of the DNP. Unfortunately, the Outrigger, which proved to be a perfect site for the Hawaii 2001 meeting, was recently sold to the Marriott Corp. and is undergoing an 18-month renovation. Less than a year from away from the meeting dates, HAW05 was site-less. But with excellent foresight the DNP's conference coordinator had carefully crafted a contract with the previous owners which, while not preventing renovation, did inspire the new owner to feel responsible to help solve our problem. Responding to the emergency, two members of the Organizing Committee and conference coordinator Carol Kuc set out in December, in the teeth of another Hawaiian winter, to check out the Maui hotel that Marriott proposed as the Outrigger replacement.

The world famous Ritz-Carlton is considered the most luxurious resort property on Maui sitting on magnificent coastline in the Kapalua Resort about 12 miles north of the picturesque town of Lahaina. The hotel was not considered for HAW01 because, quite simply, it is too nice and normally too expensive for a group of scientists who will likely spend most of the day in darkened meeting rooms. The emergency visit and a thoughtful sampling of the Ritz offerings confirmed that initial judgment. But Marriott is really keen on the idea of packing the most impressive hotel on Maui with nerds, and they are making an offer too good to refuse. Marriott and the Ritz-Carlton will honor the terms of the HAW05 contract as written, replacing the Outrigger with the five-diamond Ritz. We get the Ritz-Carlton, Kapalua, Maui at the cost of the Ramada Inn, Rockville, Maryland! The Ritz meeting space is elegant and large enough for the ten parallel sessions that will be needed for the anticipated 1,000 participants. The hotel sits on 50+ acres of a former pineapple plantation now forested with Cook Island pine trees and surrounded by ocean, golf courses, and luxury condominiums. The beach is on the list of the best in Maui. There was, however, a required concession from our side. The meeting dates must be shifted by two days, 18-22 September, to accommodate a previously contracted event at the Ritz. Thus, HAW05 will move up to the Ritz. A room block of some 450 is reserved for our meeting, a large fraction of the hotel. We expect that if more space is required, then additional rooms can be obtained at a nearby boutique hotel or in a number of rental condominiums near to the hotel. All rooms at the Ritz are identical except for the view: golf course, pool side, or ocean. Normally rooms with exceptional views command a higher rate but our contract specifies a run of the house rate of \$165 for all hotel rooms. For those who demand the best, rooms with exceptional views can be reserved at an increased cost, as indicated on the hotel reservation form.

Kapalua, Maui, Hawaii

The name Kapalua means "twin arms embracing the sea", referring to the famous Kapalua Bay. Kapalua is more than a beautiful location. The famous symbols, the butterfly logo and the stately cook pines, are a unique part of the heritage. Within the butterfly logo is a pineapple, referring to the agricultural roots, a working pineapple plantation which even today supplies pineapples locally and to the mainland. The cook pines which line the roads remind one of the distinct nature of this part of Maui. Kapalua is set amidst a 23,000 acre pineapple plantation, surrounded by natural sanctuaries, rain forests, and some of the most splendid beaches in the world.

Meeting Structure

HAW05 will be a five-day meeting. Workshops will be held on 18 September, preceding the plenary session and scientific sessions that follow. The plenary session on Monday afternoon will open the main meeting and will highlight the nuclear physics of Japan and the U.S. Scientific sessions will be held during the afternoon and evening, except on the last day of the meeting, when sessions will be scheduled for the

morning and afternoon to accommodate those with evening flights. Typically an afternoon or evening will see one invited paper session running in parallel with multiple sessions of contributed papers and mini-symposia. As is usual, mini-symposia will involve one lead (invited) talk followed by contributed papers all on the same topic. The mini-symposia are viewed as ideal sessions to integrate the JPS and DNP communities around topics of mutual interest. Topic suggestions can be sent to the Chair of the HAW05 Program Committee, Susan Seestrom. Contributed talk slots, as for HAW01, will again be 15 minutes, a 12-minute talk with three minutes allotted for questions and discussion. Lead talks in mini-symposia will be 30 minutes (25 + 5). Invited session talks slots will be 45 minutes (35 + 10). All speakers are urged to speak slowly and clearly and to include important points on their “transparencies”.

Satellite Meetings

It is anticipated that a number of satellite (collaboration and user group) meetings may be held prior to, during, or following HAW05. In order to arrange for space for satellite meetings, please direct your requests to Stuart J. Freedman (sjfreedman@lbl.gov). The Ritz-Carlton room rates will apply three days prior to and three days following the meeting on a space available basis. Note that there is a function contracted for the Ritz on the weekend following our meeting; however, we have reserved a small number of rooms over the weekend.

Conference Web Site

The web site for updated conference information can be found at “<http://meetings.nsl.msu.edu/HAW05/>”. Links to the hotel reservation and meeting registration site will be maintained. Links to the JPS and APS web sites can also be found.

International Advisory Committee

The membership of the International Advisory Committee for Hawaii 2005 is:

Akito Arima, JSF
 John N. Bahcall, IAS
 Virginia R. Brown, MIT & U Md
 Richard F. Casten, Yale
 Judy R. Franz, APS
 Herman Grunder, ANL
 Hiromichi Kamitsubo, RIKEN
 Thomas B.W. Kirk, BNL
 Shoji Nagamiya, J-PARC
 Katsuhiko Sato, U Tokyo
 A. Shotton, TRIUMF
 Anthony W. Thomas, JLab
 Hiroshi Toki, RCNP, Osaka U
 Yoji Totsuka, KEK
 Toshimitsu Yamazaki, U Tokyo
 Koichi Yazaki, Tokyo WCU

Organizing Committee

The membership of the Organizing Committee for Hawaii 2005 is:

Yuki Asakawa, Osaka U
 *Stuart Freedman, LBNL & UCB
 Ben Gibson, LANL
 Tim Hallman, BNL
 *Kenichi Imai, Kyoto U
 Tadafumi Kishimoto, Osaka U
 Shigeru Kubono, CNS, U Tokyo
 Takaharu Otsuka, U Tokyo
 Brad Sherrill, MSU
 Jean-Michel Poutissou TRIUMF

* Co-Chair

Conference Coordinator

Making hotel and meeting arrangements for Hawaii 2005 is:

Complete Conference Coordinators, INC
 1300 Iroquois Ave., Suite 160
 Naperville, IL 60563
 Phone: 630-416-3030
 Fax: 630-416-3333
 Email: info@cccmeetings.com
 Web: <http://www.cccmeetings.com>
 Carol E. Kuc, CMP, President

Important Dates

The deadline for electronic submission of abstracts is 27 May 2005. The meeting ID is HAW05. Instructions and abstract submission information can be found at “<http://www.aps.org/meet/abstracts/online.html>” Only electronic submission of abstracts is permitted by the APS. Direct web submission is at the site “<http://abstracts.aps.org>”. Please note that the LaTeX based processor handles ONLY the commands provided in the template.

The Early registration deadline is 15 July 2005. For hotel reservation and meeting registration please use the web site <http://www.cccmeetings.com>.

8. FUTURE APS SPRING MEETING INFORMATION

2006	April 22 – 26	Dallas, TX
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. WORLD YEAR OF PHYSICS 2005

The World Year of Physics 2005 (WYP 2005) has as a goal to bring the excitement of physics to the public and inspire a new generation of scientists. Timed to coincide with the centennial celebration of Albert Einstein's “miraculous year,” the World Year of Physics is here.

For information regarding the WYP 2005 go the APS web site (<http://www.aps.org>) and click on the logo. Sign up for the online newsletter to stay abreast of events during WYP 2005. Look at the sketch of events in Einstein's life. Check for related meetings. For example, the March meeting will be in Montreal, Canada, in cooperation with the Canadian Association of Physicists.

The DNP will celebrate by holding its second joint meeting with the nuclear physicists of the Japan Physical Society, 18-22 September 2005, on Maui — Hawaii 2005.

10. HISTORICAL NOTE, J. S. O’Connell

In 1905 Einstein published a short note in *Annalen der Physik* in which he developed his famous equation relating the energy content of a body

to its inertial mass, $E = mc^2$. The concept was based on his theory of relativity published the same year. Several years passed before an experimental confirmation of this theory was made using nuclear physics measurements. In 1933 Lewis, Livingston, and Lawrence measured the energy released in the reaction ${}^6\text{Li} + {}^2\text{H} \rightarrow 2 {}^4\text{He}$ to be $\Delta E = 23.7$ MeV as inferred from the ranges of the alphas. Bainbridge then used high-resolution mass-spectrometer measurements of ${}^2\text{H}$, ${}^4\text{He}$, and ${}^6\text{Li}$ to calculate the mass change $\Delta m = 0.025$ amu in the lithium reaction. Comparing the reaction's ΔE creation energy with its mass loss $\Delta m/c^2$, Bainbridge found agreement to within the measurement uncertainties of both quantities, thus confirming Einstein's prediction.

11. PHYSICAL REVIEW NEWS, C. Wesselborg

Five new "Physical Review C" Editorial Board members have been appointed to three year terms beginning January 2005:

Elizabeth J. Beise	(Univ. Maryland)
Richard J. Furnstahl	(Ohio State Univ.)
Muhsin N. Harakeh	(KVI, Univ. Groningen)
Eulogio Oset	(IFIC, Univ. Valencia)
Hendrik Schatz	(Michigan State Univ.)

The DNP thanks the departing PRC Editorial Board Members for their service in this capacity: Simon Capstick, Enzo de Sanctis, Alejandro Garcia, Dan-Olof Riska, and Robert B. Wiringa.

Three new "Physical Review Letters" Divisional Associate Editors have accepted three year appointments beginning in January 2005:

Douglas H. Beck	(Univ. Illinois)
Paul-Henri Heenen (Univ. Brussels)	
Wolfram Weise	(Tech. Univ. Munich)

12. A REPORT OF THE DOE/NSF NSAC SUBCOMMITTEE ON EDUCATION, J. Cerny

The Nuclear Science Advisory Committee was asked to "do an assessment of how the present DOE and NSF educational investments relevant to nuclear science are being made and to identify strategies for preparing future generations of nuclear physicists and chemists." The Subcommittee's recommendations regarding outreach, PhD production, diversity and professional development, undergraduate education, and graduate and postdoctoral training are given in this report, which was unanimously endorsed by NSAC. Many other results from the process that was followed, which included extensive web surveys of undergraduates, graduate students, postdoctoral fellows and PhDs 5-10 years after graduation, are also included. See the DOE web site for a copy of the report: "<http://www.sc.doe.gov/henp/np/nsac/nsac.html>." The recommendations of the subcommittee on Education will be discussed at the DNP Town Meeting in Tampa.

13. 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.

14. 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).*

15. FUTURE CONFERENCES

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

"13th International Workshop on Deep Inelastic Scattering," 27 April - 1 May 2005, Madison, Wisconsin
Contact: Wesley H. Smith, wsmith@hep.wisc.edu
URL: <http://www.hep.wisc.edu/dis05>

"LEAP-05, International Conference on Low-Energy Antiproton Physics," 16-22 May 2005,
Gustav-Stresemann-Institut, Bonn, Germany
Contact: Walter Oelert, w.oelert@fz-juelich.de
URL: <http://www.fz-juelich.de/leap-05>

"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>

“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.

“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>

DONALD F. GEESAMAN
Chair

Physics Division
 Argonne National Lab.
 9700 S. Cass Ave.
 Argonne, IL 60439
 Phone: (630) 252-4004
 Fax: (630) 252-3903
geesaman@anl.gov

BRADLEY M. SHERRILL
Chair-Elect

NSCL
 Michigan State Univ.
 East Lansing, MI 48824
 Phone: (517) 333-6322
 Fax: (517) 353-5967
sherrill@nscl.msu.edu

SUSAN J. SEESTROM
Vice-Chair

Assoc. Dir. Weapons Physics
 Acting, P.O. Box 1663, MS A106
 Los Alamos National Lab.
 Los Alamos, NM 87545
 Phone: (505) 665-4454
 Fax: (505) 665-1293
seestrom@lanl.gov

BENJAMIN F. GIBSON
Secretary-Treasurer

DNP, MS B283
 Los Alamos National Lab.
 Los Alamos, NM 87545
 Phone: (505) 667-5059
 Fax: (505) 667-1931
dnp@dnp.lanl.gov

2004 CEU Students

Name	Home Institution	Research Institute	Advisor
Abdelqader, Majd	Ursinus College	Ursinus College	Lew Riley
Betancourt, Michael	Caltech	Caltech	Jeff Martin
Boddy, Kimberly	MIT	MIT	June Matthews
Bojazi, Michael	Ursinus College	Ursinus College	Lew Riley
Button, Jonathan	Wabash College	Texas A&M Univ. - Cyclotron Institute	David Youngblood
Campbell, Cara	Univ. of Mary Washington	TUNL	Werner Tornow
Carney, Jason	DePaul Univ.	DePaul Univ.	Susan Fischer
Cesaratto, John	John Carroll Univ.	TUNL	Thomas B. Clegg
Chang, Daphne	Duke Univ.	Duke Univ.	Steffen A. Bass
Cho, Kyunghhee	UCLA	Texas A&M Univ.	Joseph Natowitz
Corliss, Ross	Valparaiso Univ.	Valparaiso Univ.	Donald Koetke
Crider, Ben	Univ. of Richmond	Yale Univ.	Mirela Fetea
Crisp, Amy	Florida State Univ.	Florida State Univ.	Kirby Kemper
Deaton, Michael	Abilene Christian Univ.	BNL	Rusty Towell
Dekat, Sarah	Univ. of North Florida	Univ. of North Florida	Dennis Gay
Domizioli, Carlo	Tennessee Tech. Univ.	ORNL	Jeff Blackmon
Downes, Michael	Drexel Univ.	TUNL	Richard Prior
Downum, Clark	Tennessee Tech Univ.	ORNL	Kate Jones

Dreyer, Erik	Caltech	Caltech	Bradley W. Filippone
Driscoll, Davitt	Univ. of Connecticut	JLAB	Kyungseon Joo, Volker Burkert
Ferrer, James	James Madison Univ.	James Madison Univ.	Ioana Niculescu
Gardner, Sierra	Seattle Univ.	Seattle Univ.	Mary Alberg
Gohs, Jessica	George Washington Univ.	Johannes Gutenberg Universitat	William Briscoe
Greenberg, Joel	Princeton Univ.	Texas A&M Univ.	Robert Tribble
Guess, Carol J.	Hope College	Hope College	P. A. DeYoung, G. F. Peaslee
Habas, Rebecca	Univ. of Rochester	Texas A&M Univ.	Sherry Yennello
Hartsig, Colleen	Creighton Univ.	CERN, Creighton Univ.	Mike Cherney
Howard, Joshua	Tennessee Technological Univ.	ORNL	R. L. Kozub
Hsiao, Jennifer	Caltech	Caltech	Bradley W. Filippone
Isenhower, Larry	Abilene Christian Univ.	Univ. of Wisconsin, Madison	Thad Walker
Kemper, Ann	Creighton Univ.	Creighton Univ.	Gintaras Duda
King, Jake	Univ. of Kansas	LBNL	Howard Matis
Knight, Jason	Tennessee Technological Univ.	Tennessee Technological Univ.	John Shriner
Korang-Beheshti, Yossef	Univ. of South Carolina	Univ. of South Carolina	David Tedeschi
Kruizenga, Alan	Univ. of Wisconsin River Falls	MSU	Hendrik Schatz
Kwiatkowski, Anna	UC Berkeley	LBNL, LANL	Stuart Freedman, Anna Hayes
Lake, Ethan	Tennessee Technological Univ.	LBNL	Peggy McMahan
Lee, Hiu Ching	The Chinese Univ. of Hong Kong	NSCL	Betty Tsang
Lidgard, Jeff	LANL	LANL	Andrew Hime
Liss, Dan	Greenville College	Duke Univ.	Haiyan Gao
Lott, Ben	MSU	NSCL	Paul Mantica
Lumpkins, Sarah	Univ. of Oklahoma	Texas A&M Univ.	Ralf Rapp
Marks, Rebecca	Univ. of Notre Dame	Univ. of Notre Dame	Umesh Garg
Marshall, Zachary	UC Berkeley	UC Berkeley	Yury Kolomensky
Martinez, Heber	Univ. of Texas at El Paso	Cyclotron Institute, Texas A&M Univ.	Rand L. Watson
Mason, Michael	Univ. of New Hampshire	Univ. of New Hampshire	F. William Hersman
McCormack, Theodore	New Mexico Institute of Mining and Technology	ORNL	V. Shchepunov
McCormick, Andrew	Univ. of Illinois Urbana Champaign	BNL	Achim Franz
Mendenhall, Michael	Washington Univ. in St Louis	Vanderbilt Univ.	S. V. Greene
Millman, Eleanor	Yale Univ.	Yale Univ.	Cornelius Beausang
Montague, Joshua	Colby College	Cyclotron Institute, Texas A&M Univ.	J.C. Hardy

Navikonis, Joshua	Hobart College	TUNL	John H. Kelley
Nguyen, Van	San Diego State Univ.	Univ. of Washington	Joseph Formaggio
Nikolova, Veronika	Univ. of Richmond	Univ. of Richmond	Mirela S. Fetea
O'Malley, Patrick	Tennessee Technological Univ.	Indiana Univ.	Mark Messier
Opperman, Philip	Seattle Univ.	Seattle Univ.	Mary Alberg
Padgett	Florida State Univ.	Florida State Univ.	Samuel Tabor
Palladino, Anthony	Univ. of Connecticut	JLAB	Kyungseon Joo, Volker Burkert
Parikh, Harshil	Univ. of Illinois at Urbana Champaign	BNL	Wei Xie
Parnell-Lampen, Caleb	Univ. of Massachusetts Lowell	Univ. of Massachusetts Lowell	Partha Chowdhury
Pena, Abe	Univ. of Texas - Austin	Hope College	Paul DeYoung
Perry, Michelle	Florida State Univ.	Florida State Univ.	Samuel Tabor
Powell, Philip	Harvard Univ.	Indiana Univ. Cyclotron Facility	Adam Szczepaniak, Patrick Bowman
Richers, Cass	Texas A&M Univ.	Cyclotron Institute, Texas A&M Univ.	Sherry Yennello
Riley, Daniel	SUNY Geneseo	Univ. Of Rochester	Ching-Yen Wu
Sarahan, Michael	Texas A&M Univ.	Texas A&M Univ.	Sherry Yennello
Scholte-van de Vorst, Matthew	Univ. of Manitoba	ANL	Guy Savard
Schwer	Tennessee Tech. Univ.	Tennessee Tech. Univ.	John Shriner
Sengbusch, Evan	Univ. of Iowa	Univ. of Iowa	Wayne Polyzou
Sharp, Jacob	Tennessee Technological Univ. (TTU)	ORNL	Raymond L. Kozub, Michael S. Smith
Storey, Crystal	Longwood Univ.	TUNL	Dipangkar Dutta
Strongman, Michael	Westmont College	Westmont College and NSCL	Warren Rogers
Summerlott, Jason	Valparaiso Univ.	BNL	Shirvel Stanislaus
Swanson, Douglas	Yale Univ.	WNSL, Yale Univ.	Cornelius Beausang
Vinson, John	Yale Univ.	Yale Univ.	Andreas Heinz
Vredevoogd, Joshua	Valparaiso Univ.	Valparaiso Univ.	Donald Koetke
Watters, Kyle	Westmont College	Westmont College and NSCL	Warren Rogers
Williams, Suzanna	Georgia College & State Univ.	Yale Univ.	Ralph France
Wolter, Chris	St. Mary's Univ. of Minnesota	TUNL	Anton Tonchev
Yeomans, Jonathan	Univ. of Hartford	Yale Univ.	James McDonald
Yoon, Sungho	Univ. of Illinois at Urbana-Champaign	Univ. of Illinois at Urbana-Champaign	Matthias Grosse Perdekamp
Young, Patrick	Linfield College	Univ. of Washington	Alejandro Garcia
Zenobia, Samuel	Hillsdale College	Texas A&M Univ.	Carl Gagliardi
Zolotov, Adi	Stony Brook Univ.	Stony Brook Univ.	Barbara Jacak