



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

**ACCOMPANYING THIS NEWSLETTER:**

- DNP Fall Meeting Preamble
- DNP Fall Meeting Draft Epitome
- April 2001 Invited Speaker Nomination Form



**Future Deadlines**

- **3 September 2000** — APS Ballot Deadline
- **10 October 2000** — April Invited Speaker Nominations

**WWW Home Page for DNP** - "<http://www.phy.anl.gov/dnp/>".

Bob Wiringa will retire as DNP webmaster at the end of August. The DNP owes Bob a sincere thank you for his service to the Division in that capacity.

Baha Balantekin will return as DNP webmaster starting 1 September. The new DNP Home Page URL will be <http://nucth.physics.wisc.edu/dnp>.

**1. DNP COMMITTEES**

**Executive Committee**

R. G. Hamish Robertson, U Washington, Chair (2000)  
Joel M. Moss, LANL, Chair-Elect (2000)  
Charles Glashausser, Rutgers, Vice Chair (2000)  
Walter F. Henning, ANL, Past Chair (2000)  
Benjamin F. Gibson, LANL, Secretary-Treasurer (2000)  
J. Dirk Walecka, College of William & Mary  
Divisional Councilor (December 2001)  
Christopher R. Gould, N. Carolina State U (2000)  
Barry R. Holstein, U Mass (2001)  
Brian Serot, Indiana U (2000)  
T. James M. Symons, LBNL (2000)  
Robert E. Tribble, Texas A&M U (2001)  
Michael C. T. Wiescher, Notre Dame (2001)

**Program Committee**

Joel M. Moss, LANL (Chair)  
Charles Glashausser, Rutgers (Vice Chair)  
R. G. H. Robertson, U. Washington (Past Chair, 1999)  
W. F. Henning, ANL (Past Chair 1998)  
B. F. Gibson, LANL (Secretary-Treasurer)  
V. R. Brown, U Md/MIT  
A. Bruell, MIT  
J. A. Cizewski, Rutgers  
T. Glasmacher, MSU  
V. Greene, Vanderbilt

J. Hardy, TAMU  
E. V. Hungerford, U. Houston  
C. Johnson, LSU  
L. McLerran, BNL  
F. Myhrer, U S. Carolina  
J-C. Peng, LANL  
M. Savage, U. Washington  
E. J. Stephenson, IUCF  
R. R. Whitney, TJNAF

**2001 Hans Bethe Prize Committee**

R. V. Wagner, Chair (12/00)  
G. T. Garvey, Vice Chair (12/01)  
A. B. Balantekin (12/00)  
G. Fazio (12/01)  
I. Talmi (12/00)

**2001 Tom Bonner Prize Committee**

B. R. Holstein, Chair (12/00)  
P. D. Bond, Vice Chair (12/01)  
R. G. Arnold (12/00)  
J. Cameron (12/01)  
R. D. McKeown (12/00)

**2001 DNP Dissertation Award Committee**

R. G. H. Robertson, Chair (12/00)  
W. F. Henning, Vice Chair (12/00)  
B. Filippone (12/00)  
G. A. Peterson (12/01)  
M. J. Ramsey-Musolf (12/00)

**2001 Fellowship Committee**

W. F. Henning, Chair (6/01)  
J. A. Carlson (6/02)  
J. A. Cizewski (6/01)  
D. F. Geesaman (6/01)  
W. A. Zajc (6/02)

**2000 Nominating Committee**

W. Nazarewicz, Chair (12/00)  
V. R. Brown, Vice Chair (12/01)  
R. F. Casten (12/01)  
H. E. Jackson (12/00)  
R. L. Ray (12/00)

**2000 Nuclear Physics Funding Committee**

C-K. Gelbke, Chair  
J. M. Moss  
R. G. H. Robertson  
L. Schroeder

**INSIDE . . .**

- **New Prize/Award Levels**
- **NSAC Long Range Plan**
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- **APS Disability Task Force**

2000 National Nuclear Physics Summer School Committee

W. F. Henning, Chair  
E. J. Beise, Vice Chair  
B. R. Barrett, Past Chair  
S. M. Austin  
D. F. Geesaman  
W. Haxton (grantee)  
B. V. Jacak  
V. J. Pandharipande  
B. D. Serot

2000 Publications Committee

C. R. Gould, Chair  
C. Glashausser  
R. Tribble

2000 APS Nominations Committee

C. Glashausser, Chair  
J. M. Moss, Past Chair  
S. J. Seestrom  
T. J. M. Symons

2000 Public Information Committee

B. C. Clark, Chair  
C-K. Gelbke, Chair (after October)  
E. Beise  
J. G. Cramer  
T. Hallman  
M. A. Riley

2000 Nuclear Physics Video Oversight Committee

J. G. Cramer, Chair  
B. C. Clark  
M. McMahan

2000 Home Page Committee

M. C. T. Wiescher, Chair  
A. B. Balantekin, Webmaster  
C. Jones  
H. Matis  
J. F. Wilkerson, Past Chair  
R. B. Wiringa

2000 Education Committee

W. Bauer, Chair  
M. McMahan, Past Chair  
M. Alberg  
C. R. Gould  
H. Matis  
A. P. T. Palounek  
W. Rogers

Membership Czar

C. R. Gould

*Appointments of members to DNP committees are for one- or two-year terms. Division Councilors are elected for four-year terms. Executive and Program Committee dates correspond to the end of the term following the Spring Meeting except for Division Councilors, as indicated.*

**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. 2001 BONNER PRIZE RAISED TO \$7,500**

At its April 2000 meeting in Long Beach, the DNP Executive Committee voted to raise the stipend for the Tom W. Bonner Prize in Nuclear Physics to \$7,500, from the 2000 prize of \$5,000. By the end of calendar year 2000, the endowment for the Bonner Prize should reach the \$150,000 necessary to make a \$7,500 prize self-sustaining.

**4. 2001 DISSERTATION AWARD RAISED TO \$2,000**

At its April 2000 meeting in Long Beach, the DNP Executive Committee voted to raise the stipend for the Dissertation Award in Nuclear Physics to \$2,000, from the 2000 award of \$1,000. The Dissertation Award endowment is above the level required to make a \$2,000 award self-sustaining.

**5. NSAC LONG RANGE PLAN STATUS,  
R. G. H. Robertson**

Nuclear physics has developed and used to great effect a system of long-range planning. Both the effectiveness of this approach and the openness with which the nuclear physics community prioritizes its goals are widely admired. The last Plan, "Nuclear Science: A Long-range Plan," was issued in February of 1996, and it is time to begin the process of formulating a new one. It is likely that the Nuclear Science Advisory Committee will be charged with this activity in the very near future. In the meantime, the DNP is initiating the process by which the community provides input, a series of Town Meetings.

The DNP Executive Committee felt that the meetings should be organized along physics lines (rather than facilities) and that having a separate, isolated meeting on Nuclear Theory was not ideal. The vital interdependence of theory and experiment might otherwise be lost. It also recognized the strong intellectual connections between electromagnetic physics and hadronic physics. Taking these and other considerations into account, the Committee concluded that having 4 Town Meetings as follows represents a good compromise:

- (1) Electromagnetic Physics and Hadronic Physics.
- (2) Nuclear Matter at High Energy Density.
- (3) Nuclear Structure, Astrophysics.
- (4) Astrophysics, Neutrinos, Standard Model, Symmetries, Ultra-cold neutrons.

Each meeting will include substantial discussion of nuclear theory. At the DNP Town Meeting in Long Beach, there appeared to be general support for the above. Naturally, there are many topics of research (RHIC spin, eRHIC, and astrophysics in particular) that fall in more than one area and individuals may wish to attend more than one meeting. This problem was considered sufficiently serious for astrophysics that meetings 3 and 4 will be held back-to-back or concurrently in one location, Lawrence Berkeley National Laboratory.

Offers to host meetings were received from:

Argonne National Laboratory  
Lawrence Berkeley National Laboratory  
Brookhaven National Laboratory  
Colorado School of Mines  
Indiana University  
Jefferson Laboratory  
Los Alamos National Laboratory (Santa Fe location)  
Michigan State University  
Oak Ridge National Laboratory  
Triangle Universities Nuclear Laboratory

The DNP is very grateful for these generous offers.

To reduce travel costs and accommodate teaching faculty, meetings are timed for Saturday stay overs. The schedule is,

Dates tba	Topic 1, Jefferson Lab, Newport News, VA.
Jan. 21-23, 2001	Topic 2, Brookhaven Nat. Lab, Upton, NY.
Dates tba	Topics 3 & 4, Lawrence Berkeley Nat. Lab, Berkeley, CA.
Jan. - March	White papers are written
March 2001	Resolution meeting, draft of Plan
Oct. 2001	Document complete, ready for distribution

Web sites are being established by Jefferson Laboratory, Brookhaven National Laboratory, and Lawrence Berkeley Laboratory for the Town Meetings. In the interim, the local contact individuals are Dennis Skopik (skopik@jlab.org), Tom Ludlam (ludlam@bnl.gov), and Kevin Lesko (ktlesko@lbl.gov), respectively.

## 6. FUTURE DNP FALL MEETINGS

2001	October 17-20	Maui, HI
2002	October	East Lansing, MI

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

## 7. FUTURE APS SPRING MEETING INFORMATION

2001	April 28 - May 1	Washington, DC
2002	April 20-23	Albuquerque, NM

The 2001 APS Spring Meeting will return to Washington, DC. Discussions are underway regarding the 2003-5 sites. Possibilities include Baltimore, Savannah, Houston, and Anaheim.

## 8. NUCLEAR SCIENCE WALL CHART AWARD, H. Matis

The Nuclear Science Wall Chart has received a merit award in an international competition. The announcement can be found at <http://www.stc-va.org/2000Pubswinners.html>.

## 9. DOE OUTSTANDING JUNIOR INVESTIGATOR AWARDS, A. Baltz

The DOE Division of Nuclear Physics has initiated an Outstanding Junior Investigator (OJI) Program and announced the first award recipients. The purpose of the program is to support the development of individual research programs of outstanding scientists early in their careers. The Program Notice invited applications for research support in the full range of activities currently supported by the Division of Nuclear Physics. Twenty-seven proposals were received, eighteen experimental and nine theoretical. From these, the following six scientists were designated to receive the first Nuclear Physics OJI Awards: Todd Averett, the College of William and Mary; Haiyan Gao, MIT; Paul Mantica, Michigan State University; James Nagle, Columbia University; Yong-Zhong Qian, University of Minnesota; and Dam Thanh Son, Columbia University. The Nuclear Physics OJI Program will continue with awards annually. The deadline for OJI proposals submitted for awards in FY 2001 will be announced soon and is expected to be in November 2000.

## 10. APS TASK FORCE ON PHYSICISTS WITH DISABILITIES, J. R. Franz

At the request of several APS members, the Executive Board has established a special Task Force on Physicists with Disabilities. Among the members are a blind physicist, a physicist with serious hearing impairment, and two physicists who have severe mobility handicaps, one of whom is confined to a wheelchair. The task force recently had their first meeting by conference call and requested that an additional member, one with a learning disability such as dyslexia, be added.

We all need to do more to help our colleagues with disabilities. The APS will be making greater efforts at APS meetings that our staff organize. Units who hold separate meetings are urged to learn more about these issues.

The task force will make a report to the APS Executive Board and/or Council during 2001. That report will be circulated to all units at that time.

## 11. SESSION CHAIRS FOR THE WASHINGTON DC APS SPRING MEETING

The APS/DNP Spring Meeting will be in Washington DC. Those who anticipate attending and are willing to chair a session should please send an email message to Joel Moss (DNP Program Chair) indicating: 1) willingness to serve as a session chair and 2) areas of expertise which might be of interest. The information is needed by 1 December.

One may also nominate younger colleagues who will attend the meeting.

## 12. ANNUAL REVIEWS OF NUCLEAR AND PARTICLE SCIENCE

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

**2000 Prices:** The dual prices (separated by a slash) listed below correspond to USA/other countries including Canada. Volumes 13-26, 28-29, 31-33, and 35-41 are \$55/\$60 retail and \$38.50/\$42 for DNP members. Volumes 42 and 43 are \$59/\$64 retail and \$41.30/\$44.80 for DNP members. Volumes 44 and 45 are \$62/\$67 retail and \$43.40/\$46.90 for DNP members. Volume 46 is \$67/\$72 retail and \$46.90/\$50.40 for DNP members. Volumes 47, 48, and 49 are \$70/\$75 retail and \$49/\$52.50 for DNP members.

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

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

## 13. FUTURE CONFERENCES

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

**“Second Workshop on Physics with an Electron-Polarized Light-Ion Collider (EPIC),”** 15–16 September 2000, MIT, Cambridge, Massachusetts, Chairs: John M. Cameron and Richard G. Milner. Contact: Ms. Ginny Bullard, Bates Linear Accelerator Center, P.O. Box 846, Middleton, MA 01949, Telephone: 617-253-9231, Fax: 617-253-9599, WWW: <http://mitbates.mit.edu/epic-workshop>.

**“Seattle Neutrino Workshop,”** 21-23 September, University of Washington, Seattle, WA. Contacts: Nancy Tate, Program Coordinator, Institute for Nuclear Theory, Box 351550, University of Washington, Seattle WA 98195, USA. Telephone: 206-685-4286, e-mail: [tate@phys.washington.edu](mailto:tate@phys.washington.edu); WWW: [http://int.phys.washington.edu/PROGRAMS/neutrino\\_2000.html](http://int.phys.washington.edu/PROGRAMS/neutrino_2000.html).

**“Nuclei and Nucleons — An International Symposium on the Occasion of Achim Richter’s 60th Birthday,”** 11–13 October 2000, TU Darmstadt, Darmstadt, Germany. Contact: Mrs. Giovanna Umberti, TU Darmstadt, Institut fuer Kernphysik, Schlossgartenstr. 9, D-64289 Darmstadt, Germany, Telephone: +49-6151-16-4079, Fax: +49-6151-16-4321, e-mail: [nan@ikp.tu-darmstadt.de](mailto:nan@ikp.tu-darmstadt.de), WWW: <http://www.ikp.physik.tu-darmstadt.de/nan>.

**“2000 IEEE Nuclear Science Symposium and Medical Imaging Conference,”** 15–20 October 2000, LYON Convention Centre, France. Contact: e-mail: [iee2000@hep.saclay cea.fr](mailto:iee2000@hep.saclay cea.fr), <http://NSS2000.in2p3.fr>.

**“VII International Workshop on Advanced Computing and Analysis Techniques in Physics Research, ACAT2000,”** 16–20 October 2000, Fermi National Accelerator Laboratory, Batavia, Illinois, USA. Contacts: Pushpalatha Bhat and Matthias Kasemann, FNAL, e-mail: [acat2000@fnal.gov](mailto:acat2000@fnal.gov), WWW: <http://conferences.fnal.gov/acat2000/>.

**“CAARI 2000,” 16th International Conference on Applications of Accelerators in Research and Industry,** 1–4 November 2000, University of North Texas, Denton, Texas. Contact: J. L. Duggan, University of North Texas, P.O. Box 311247, Denton, TX 76203-1247, Telephone: 940-565-3252, Fax: 940-565-2227, e-mail: [jduggan@unt.edu](mailto:jduggan@unt.edu), WWW: <http://orgs.unt.edu/CAARI>.

**“RIB00,” International Symposium on Perspectives in Physics with Radioactive Isotope Beams 2000,** 13–16 November 2000, Hayama (Shonan Village Center), Kanagawa, Japan, Co-chairpersons: Koichiro Asahi, Hideyuki Sakai, Isao Tanihata. Contact: Dr. Nori Aoi, Department of Physics, University of Tokyo, 7-3-1 Hongo Bunkyo-ku Tokyo, 113-0033, Japan, e-mail: [RIB00@rarfap.riken.go.jp](mailto:RIB00@rarfap.riken.go.jp), Fax: +81-48-462-4641, WWW: <http://rarf-conf.riken.go.jp/RIB00/>.

**“XXIV Symposium on Nuclear Physics,”** 3–6 January 2001, Taxco, Mexico. Contact: Arturo Menchaca-Rocha, Instituto de Fisica UNAM, A.P. 20-364, Mexico 01000 DF, Mexico, Telephone: 525-622-5060, Fax: 525-616-1535, WWW: <http://venus.ifisicacu.unam.mx/taxco/taxco2001.html>.

**“Nuclear Physics in Astrophysics,” 17th EPS-Nuclear Physics Division International Conference,** 15–19 January 2001, Eilat, Israel. Contact: Naftali Auerbach (Chair), Tel Aviv University, Telephone: +972-3-640-7215, Fax: +972-3-640-7964, e-mail: [auerbach@post.tau.ac.il](mailto:auerbach@post.tau.ac.il), WWW: <http://www.tau.ac.il/~eilat01>.

**“15th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions, Quark Matter 2001,”** 15–20 January 2001, SUNY at Stony Brook and Brookhaven National Laboratory. Contact: Dr. Satoshi Ozaki, BNL, Telephone: 631-344-5990/5663, Fax: 631-344-2166, Email: [ozaki@bnl.gov](mailto:ozaki@bnl.gov).

**“Nuclear Matter at High Energy Density: a Town Meeting,”** 21-23 January, 2001, Brookhaven National Laboratory, Upton, NY. Contact: Tom Ludlam, e-mail: [ludlam@bnl.gov](mailto:ludlam@bnl.gov)

**“Physics of Radioactive Nuclei,”** 11–14 March 2001, Oak Ridge, Tennessee. Contact: Carl Gross, Oak Ridge National Laboratory, Telephone: 865-576-7698, e-mail: [iso101@mail.phy.ornl.gov](mailto:iso101@mail.phy.ornl.gov), WWW: <http://www.phy.ornl.gov/hrifb/iso101/>.

**“16th International Conference on Cyclotrons and their Applications, CYCLOTRONS 2001,”** 12–17 May 2001, Michigan State University, East Lansing, Michigan. Contact: Felix Marti, National Superconducting Cyclotron Laboratory, MSU, East Lansing, MI 48824-1321, USA, Fax: 517-353-5967, e-mail: [marti@nscl.msu.edu](mailto:marti@nscl.msu.edu).

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

**“QCD in Extreme Conditions: High Temperature, High Density and Small-x,” Gordon Research Conference on Nuclear Physics,** 22–27 July 2001, Newport, Rhode Island. Contact: Wit Busza, Bldg. 24-510, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139-4307, e-mail: [busza@mit.edu](mailto:busza@mit.edu).

**“INPC 2001,” International Nuclear Physics Conference,** 30 July – 3 August 2001, University of California, Berkeley, California. Contact: INPC 2001, Lawrence Berkeley National Laboratory, 1 Cyclotron Road, MS 937, Berkeley, CA 94720, e-mail: [inpc2001@lbl.gov](mailto:inpc2001@lbl.gov), WWW: <http://www.lbl.gov/~inpc2001/>.

**“9th International Conference on the Structure of Baryons, BARYONS 2001,”** 21–27 October 2001, Jefferson Lab, Newport News, Virginia, USA, Chairs: Nathan Isgur and Bernhard Mecking. Contact: Sue Ewing, Jefferson Lab, 12000 Jefferson Ave., MS12H2, Newport News, VA 23606, e-mail: [BARYONS2001@jlab.org](mailto:BARYONS2001@jlab.org), Telephone: 757-269-6363, Fax: 757-269-7398, WWW: <http://www.jlab.org/intralab/calendar/archive00/baryons.html>.

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