



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

ACCOMPANYING THIS NEWSLETTER:

- Invited Speaker Nomination Form for 1997 Spring Meeting

**2-5 OCTOBER DNP MEETING,
CAMBRIDGE, MA**

- A pre-registration form, including workshops and banquet
- A housing form
- Map
- Workshop and Meeting outline

Future Deadlines

- **16 Aug 1996** - Housing deadline for Cambridge Meeting
- **16 Sept 1996** - Last day for Cambridge "Special" Pre-registration rates

WWW Home Page for DNP

A worldwide web home page for the Division of Nuclear Physics is currently available at "<http://nuclth.physics.wisc.edu/dnp/>". Each newsletter is posted on the web, in advance of the copy you receive in the mail. Other information of interest to DNP members, such as deadlines for meetings, prizes, nomination forms, and special announcements are listed there as well. We would like to hear your comments and suggestions. Please send them to Baha Balantekin at "dnp@nuclth.physics.wisc.edu".

1. DOVER MEMORIAL

It is with great sadness that we report that Carl B. Dover died on June 4, 1996, after a prolonged illness. Carl was 55. He had most recently been a Senior Physicist and Nuclear Theory Group Leader in the Physics Department at Brookhaven National Laboratory. Carl was a renowned and respected nuclear theorist, a leader in our field. He had an impact on a wide variety of subfields through his publications,

incisive talks, and service on a number of national and international committees.

Carl earned his Ph.D. at the Massachusetts Institute of Technology in 1967. He joined BNL in 1971. He was awarded an Alexander von Humboldt Foundation Fellowship for Senior Research Scientists in 1988, and he received BNL's Highest honor, the Distinguished Research and Development Award, in 1995. Carl served as Chair of the Division of Nuclear Physics of the APS in 1994

A "speaker's fund" has been established in Carl's memory at BNL. Should you wish to contribute to this fund, donations can be sent to the address below.

Carl Dover Fund
Associated Universities Inc.
Brookhaven National Laboratory
Upton, NY 11973

2. DNP FALL MEETING AT CAMBRIDGE, MA, 2-5 OCTOBER 1996

General Information

The Annual Fall Meeting of the Division of Nuclear Physics, including two workshops, will be held October 2-5, 1996 on the campus of the Massachusetts Institute of Technology in Cambridge, Massachusetts.

The Boston/Cambridge area has something for everyone with its history, cultural events, sports, nightlife, and fine ethnic restaurants. Early October is generally the height of the fall foliage season and daytime temperatures are typically between 50° and 70°F.

Meeting Program

The meeting will consist of five sessions of invited talks, a plenary session, five mini-symposia, and approximately 20 sessions of contributed papers. The 1996 Program Committee arranged two sessions of invited papers on topics selected at the recent Indianapolis APS/AAPT meeting. Two "voted" sessions based on nominations from the DNP membership have been arranged by the Program Committee Chair. The Local Committee is organizing a fifth session of invited talks on "Axial Currents in Nuclear Systems".

There will also be two workshops, a business meeting of the Division, meetings of user groups of various accelerator laboratories, a banquet/cruise, and tours of the Bates Linear Accelerator Center.

Workshops

Two workshops will be held on October 2, prior to, but in conjunction with, the DNP meeting. One workshop will be on "The Quark/Gluon Structure of the Nucleon," organized by John Negele and Richard Milner, and the second workshop will be on "Collective Effects and the Quark-Gluon Plasma in Heavy Ion Collisions," organized by Craig Ogilvie and Stephen Steadman. The workshops will run in parallel. A \$30 registration fee covers both workshops. Registration will take place on October 2, 1996.

Registration will begin on October 2, 1996 at 7:30 a.m. - 9:00 a.m. in the Mezzanine Lounge, Stratton Student Center, MIT Campus, W20-500, across the street from 77 Mass. Ave, the front entrance of MIT. Registration will continue from 5:30 p.m. to 7:00 p.m. at the Cambridge Center Marriott, 2 Cambridge Center, Cambridge, MA. The pre-registration fees are \$115 for APS members, \$230 for non-APS members and \$10 for retired and unemployed members as well as for students.

The fee to join the DNP is \$121 or, if you would like to join the APS/DNP, the cost is \$224 (both prices include the meeting registration fee).

Tour of Bates Linear Accelerator Center

A tour of the Bates Linear Accelerator Center will be held on Thursday evening, October 3, 1996. The tour will include a buffet dinner. Bus service will be provided from MIT to Bates and back.

Dinner Cruise

In place of a more formal banquet, a dinner cruise of Boston Harbor is planned for Friday, October 4, 1996.

Meeting Information

For further information and/or Registration and Housing questions, please contact Ms. Heidi Demers, DNP Conference, MIT - Laboratory for Nuclear Science, Building 26-505, 77 Massachusetts Ave., Cambridge, MA 02139. Tel: (617) 258-5448, Fax: (617) 253-0111, email: lnsdnp@mitlns.mit.edu and web site: <http://www-lns.mit.edu/dnp.html>.

<p><i>Housing Deadline:</i> August 16, 1996 <i>Preregistration Deadline:</i> September 16, 1996</p>

An advance registration form and a housing form are included with this Newsletter.

Local Organizing Committee

William Bertozzi, MIT, Edward Booth, Boston University, Heidi Demers, MIT, T. William Donnelly, MIT, Jean Flanagan, MIT, Jochen Heisenberg, University of New Hampshire, Stanley Kowalski, MIT, June Matthews, MIT, Richard Milner, MIT, Rory Miskimen, University of Massachusetts, John Negele, MIT, Craig Ogilvie, MIT, Robert

Redwine, MIT (Chair), Stephen Steadman, MIT.

Town Meeting

There will be a "town meeting" on Friday afternoon. The intent of this session is to provide an opportunity for a large segment of the nuclear science community to be exposed to and to contribute to arguments regarding future challenges and priorities for the field.

Fall Meeting Mini-Symposia

At the 1996 DNP Fall Meeting in Cambridge, we will again offer DNP Mini-Symposia, as we did at the IND96 spring meeting. Mini-Symposia are focused sessions in which an invited speaker sets the tone for the topic, provides the introduction, highlights new developments, etc. That talk is then followed by related contributed papers.

ID Session Title Organizers

- | | | |
|----------|------------------------------------|------------------------------------|
| L1 | "Nuclear Temperature Thermometers" | B. Tsang
M-E. Brandan
R. Roy |
| L2-I, II | "Giant Resonances" | U. Garg |
| L3 | "Halo Nuclei" | B. Tsang |
| L4 | "Identical Bands" | J. Becker |

3. SPRING APS MEETING AT WASHINGTON, DC, 18-21 APRIL 1997.

The 1996 APS Spring Meeting will be held in Washington, DC, April 18-21. This Friday through Monday meeting will include a joint meeting with both the Canadian and Mexican Physical Societies (CAM97). The Division of Nuclear Physics will organize six sessions of invited papers for the Spring meeting, two of these sessions being CAM97 joint endeavors. The 1996 Program Committee

will also arrange two sessions of invited papers on topics selected at their 2 October Cambridge meeting. Suggestions for topics are welcome and should be sent with reasons for their choice to the 1996 Program Committee Chair, Bunny C. Clark. Additional information such as proposed talks with names of possible speakers for your proposed "topical" sessions would also be useful. The remaining two sessions are selected by vote of the Program Committee from suggestions for individual speakers from the DNP membership. The composition of the "voted" sessions relies on the nominations from the entire DNP community; you are urged to participate in this process. The nomination form for individual speakers, which is included with this newsletter, should be mailed to Bunny C. Clark as early as possible before the **11 October** deadline.

In addition to its six sessions at the Spring Meeting, the DNP will organize four joint sessions with other APS subunits. The four APS subunits are the Division of Particles and Fields, the Division of Atomic, Molecular, and Optical Physics, the Division of Astrophysics, and the Few Body Topical Group. If you have suggestions for these joint sessions, please contact members of the Program Committee or Bunny C. Clark.

4. FUTURE DNP FALL MEETINGS

The present schedule for fall meetings is as follows:

1997	October 5-8	Whistler, B.C.
1998	October	Santa Fe, NM
1999	October	Asilomar, CA

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.

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." 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 normally **1 April**. Nomination forms are available from Peggy Mendoza, The American Physical Society, One Physics Ellipse, College Park, MD 20740-3843. Completed forms should be returned to Dr. J. Franz at the same address.

It is particularly important for nominators to ensure that the cases which 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 done at least one major, original work that has influenced his/her specialty in a significant way.

The list of APS Fellows (by APS subunit) elected in a given year 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.

The 1997 DNP Fellowship Committee is comprised of V. R. Brown (Chair), J. H. Hamilton, B. Mueller, A. B. Balantekin, and C. Glashauser. The Fellowship Committee reviews the nominations for APS fellowship referred to the DNP and recommends a slate of candidates which is forwarded to the DNP Executive Committee and then to APS Council for approval.

6. THE 1997 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, R. Middleton and W. Haerberli, 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, and J. D. Walecka.

The purpose of this prize, which currently consists of \$5,000 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 will 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.

Nominations were due 1 July 1996 to: Dr. Michael J. Musolf (Chair). Other members of the committee are J. B. Ball, J. D. Walecka, N. Benczer-Koller, and J. W. Harris.

7. BETHE PRIZE CAMPAIGN, W. C. Haxton and E. M. Henley

The American Physical Society has established the Hans A. Bethe Prize in recognition of Bethe's "outstanding and numerous accomplishments in both astrophysics and nuclear physics." The prize was announced on Hans's 90th birthday, July 2, at a Cornell reception attended by many colleagues, friends, and family. Judy Franz, executive director of the APS, said on making the presentation to

Hans: "Your name brings very special significance to this prize."

Bethe expressed his delight that so many friends had helped in establishing a prize in his honor. He proceeded to describe some problems he had not (yet!) been able to solve - including the origin of nuclear saturation and several puzzles from stellar astrophysics - and expressed the hope that others would take up the call to solve these important problems. Then he cut a generous piece of his birthday cake, signaling the start of the celebration.

Among Bethe's many accomplishments in physics are his 1947 calculation of the Lamb shift, which led to the development of quantum electrodynamics, and his theory of energy production in stars, for which he was awarded the Nobel Prize in 1967. Hans has worked at Cornell for more than 60 years. He emigrated from Germany in 1935.

The effort to create the Bethe Prize was spearheaded by the Division of Astrophysics and the Division of Nuclear Physics. Hans has long been a member of both. The prize includes a \$7500 award and will be given for work in theory, experiment, or observation in nuclear physics, astrophysics, or nuclear astrophysics. It will be awarded annually beginning in 1998.

The prize is now fully endowed at the level of \$150,000 due to the generosity of more than 400 individuals, universities, national laboratories, and industry. The Bethe Prize Committee, which organized the contributions, plans to disband on September 1.

8. BUDGET UPDATE FROM THE NUCLEAR SCIENCE RESOURCES COMMITTEE, L.L. RIEDINGER, CHAIR

There has been considerable progress on the FY1997 appropriations bills affecting Nuclear Physics funding through the National

Science Foundation (contained in the VA/HUD/Independent Agencies bill) and the Department of Energy (part of General Science - along with High Energy Physics - in the DOE Energy and Water Development bill). Although the budget cutting talk on Capitol Hill is widespread, it appears that there will be small increases over FY96 for basic science in both agencies.

On June 26 the House of Representatives passed H.R. 3666 covering VA/HUD/Independent Agencies Appropriations (see FYI #103), and on July 11 the Senate Appropriations Committee finished their bill, with Senate floor action still pending (FYI #108). The numbers for the NSF compare in the following way:

	FY96 Appro.	FY97 Request	FY97 House	FY97 Senate
NSF Total	\$3220.0	M3325.0	3253.0	3275.0
Research	2364.0*	2472.0	2431.1	2432.0

Final approval in the Senate has not happened yet, after which a House/Senate Conference committee will draft a compromise bill that must then be approved by both chambers before being sent to the President for signing.

Concerning the DOE Energy and Water bill, the House and the Senate Appropriations committees both approved separate versions on July 16. Generally the House finishes a funding bill before the Senate does theirs, but this year House Energy and Water Appropriations Subcommittee Chair Myers (Indiana) held up the work of his people while he fought for a larger allocation of funds to his particular subcommittee, whereas the Senate E&W Subcommittee managed to receive a larger allocation at the beginning. Three important components of these bills are listed below:

	FY96 Appro.*	FY97 Request	FY97 House	FY97 Senate

DOE Gen Sci	982.0M	1009.1	996.0**	1000.6
Basic Energy Sci	641.2	653.7	643.0	649.7
Fusion	227.4	255.6	225.0	240.0

General Science includes High Energy and Nuclear Physics. The FY96 number for Nuclear Physics is \$304.5M, and the FY97 request of 318.4 is approved in full by the Senate but cut by \$5M in the House. For High Energy Physics the comparable numbers are \$679.1M (FY96), 679.1 (FY97 request), and 672.9 (Senate committee). In the language accompanying the Senate Appropriations Committee bill, DOE is advised that funds for the US contribution to the Large Hadron Collider at CERN must come from the base High Energy Physics budget, which is expected to remain at the current level at best.

A month-long recess begins on August 4, and it is hoped that the Congress will have completed action on the NSF and DOE appropriations by then. If not, then floor action in September during this election year could take a back seat to more politically charged bills, which would necessitate a continuing resolution to keep the government operating in the new fiscal year (beginning October 1). The problem with this is that CRs often fund agencies at less than the full levels intended in the pending appropriations bills, as happened in the current fiscal year for the NSF up until late April.

* Adjusted for comparability with FY97 numbers

** Subject to the impact of a general reduction of 1 to 1.5%

9. 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-283,

1994-95 Prices: The dual prices (separated by a slash) listed below correspond to USA/other countries including Canada. Volumes 12-41 are \$55/\$60 retail and \$39/\$42 for DNP members. Volumes 42 and 43 are \$59/\$64 retail and \$42/\$45 for DNP members. Volume 44 is \$62/\$67 retail and \$44/\$47 for DNP members.

Other Annual Reviews are also available. 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% General Sales Tax.*

10. PHYSICAL REVIEW C ONLINE

Dear FY 1997 APS Member PRC Subscriber:

We are pleased to announce that PHYSICAL REVIEW C (PRC) is available online via the World Wide Web. As a FY1997 subscriber to the hardcopy version of PRC you have the opportunity to access PRC online at no additional cost from 1 July 1996 to 30 June 1997. Please complete the Subscription Agreement (<http://publish.aps.org/LEGAL/agreement.html>) and mail or fax it to the Associate Publisher at the address given below if you wish to take advantage of this limited time offer.

We will send you further information about the journal (e.g., password, how to access it) upon receipt of your completed Subscription Agreement

PRC online features include:

- * access to the information a week before the printed journal is mailed
- * a PDF file of the entire article
- * browseable current and previous tables of contents
- * searchable current and previous bibliographic records (title, authors, abstract, PACS, bibliographic information)

- * browseable table of contents of future issues
- * ability to print articles with the same "look and feel" of the hard copy version
- * links to other World Wide Web physics resources

A backfile of PRC articles dating to January 1996, will be available. We look forward to your comments and suggestions on how to make PRC online a better journal.

PRC online is accessible through the Web using a graphical browser (e.g., Netscape) in two formats: the full article as Portable Document Format (PDF) file and the bibliographic record as Hypertext Markup Language (HTML). Adobe Acrobat Reader is required for viewing and printing the PDF files of the articles. This viewer can be downloaded free of charge from the Adobe Web site (<http://www.adobe.com/acrobat/>).

PRC online is also accessible using a text browser (e.g., Lynx). Such browsers allow browsing of the tables of contents and bibliographic information.

Please let the Associate Publisher know if you have additional questions, suggestions, or you need further assistance.

Cordially,
Sam Austin, Editor
Physical Review C

ASSOCIATE PUBLISHER (The American Physical Society,
One Physics Ellipse, College Park, MD 20740-3844;
Fax: 1-301-209-0844; E-mail:
ASSOCPUB@APS.ORG)

11. APS E-PRINT SERVER, A. Smith (RIDGE)

The American Physical Society is developing a World-Wide Web-based system

for members and other physicists to post preprints, and to browse those which have been made publicly available. The service is similar to the 'e-print' archives run by Paul Ginsparg at Los Alamos since late 1991, though with a few minor technical differences that are hoped to bring about the participation of a larger fraction of the physics community. The APS E-print service will also help in the exploration of new internet-based technology for submitting, refereeing, editing and publishing papers in the Physical Review journals. A prototype version of the service is available as of July 8, 1996, listed under the 'New Services Available' section of the web page <http://publish.aps.org/> and members are invited to try it and send comments to the administrators of the service at the email address eprint-adm@aps.org.

12. LBNL PRODUCES EIGHTH EDITION OF THE TABLE OF ISOTOPES

A new edition of the Table of Isotopes, by Richard B. Firestone, Virginia S. Shirley, Coral M. Baglin, S. Y. Frank Chu, and Jean Zipkin of the Isotopes Project in the Nuclear Science Division of Lawrence Berkeley National Laboratory, has been published by John Wiley & Sons, Inc. This edition is the eighth in a series started by Glenn T. Seaborg in 1940. The two-volume, 3168-page, cloth-bound edition (twice the size of the previous edition published in 1978) contains nuclear structure and decay data for over 3100 isotopes and isomers. Approximately 24,000 references are cited and the appendices have been updated and extended. The book is packaged with an interactive CD-ROM that contains the Table of Isotopes in Adobe Acrobat Portable Document Format for convenient viewing on PC and Macintosh personal computers and Unix workstations. The CD-ROM version contains a chart of the nuclides graphical index and separate indices organized for radioisotope users and nuclear structure physicists. Over 100,000 hypertext links are provided to move the user quickly through related information, free from the limitations of page size. Complete references with keyword abstracts are

provided. The CD-ROM also contains the Table of Superdeformed Nuclear Bands and Fission Isomers by Balraj Singh and Richard B. Firestone; Tables of Atoms, Atomic Nuclei, and Subatomic Particles by Ivan P. Selinov, the "father" of the Russian Table of Isotopes; the Evaluated Nuclear Structure Data File (ENSDF) and the ENSDF Manual by Jagdish K. Tuli; and Adobe Acrobat Reader software. The pre-publication price (for orders before 5/31/96) is \$245. More information about the Table of Isotopes and a faxable order form can be obtained through the Table of Isotopes Internet site at:
<http://isotopes.lbl.gov/isotopes/toi.html>.

13. NUCLEAR DATA AND REFERENCES ON THE IBM/PC

A collaboration between Lund University, Sweden, the Isotopes Project, Lawrence Berkeley National Laboratory, and the National Nuclear Data Center, Brookhaven National Laboratory, has just released the new CD-ROM Nuclear Data and References. This product contains the entire databases Nuclear Data (NUDAT) (as of January 1996) with data for over 2600 nuclides, and Nuclear Science References (as of December 1995, formerly Nuclear Structure References (NSR)), with over 140,000 fully-searchable references.

NUDAT presents data from the Evaluated Nuclear Structure Data File (ENSDF) and the Nuclear Wallet Card. It also includes thermal-neutron cross sections and resonance integrals. NSR is a bibliographic database with references for low- and medium-energy nuclear physics. These databases, which are produced and maintained by the National Nuclear Data Center, Brookhaven National Laboratory, are managed here by the PCNuDat and PapyrusTM search engines, respectively.

There is a limited number of CD-ROMs for distribution free of charge. If you live on the West Coast and wish to order a complimentary copy of Nuclear Data and References write to:

Edgardo Browne
Lawrence Berkeley National Laboratory
Isotopes Project
MS 50A-1148
Berkeley, California 94720

Otherwise write to:

National Nuclear Data Center
Bldg. 197D
Brookhaven National Laboratory
P.O. Box 5000
Upton, New York 11973-5000.

Requests from outside the US should be sent to:

Peter Ekstrom
Department of Physics
University of Lund
Solvegatan 14
S-223 62 Lund
Sweden

14. AAAS'97 SYMPOSIUM SCHEDULED, J. D'Auria

A symposium entitled "Novel Science with Radioactive Beams" has been organized for the AAAS'97 (American Association for the Advancement of Science) meeting to be held in Seattle, Feb. 13-18, 1997. Those interested in more information regarding the program should contact John M. D'Auria using the internet address dauria@sfu.ca.

15. FUTURE CONFERENCES

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

"1996 Gordon Research Conference on the Dynamics of Small Systems", 11-16 August 1996, Proctor Academy, Andover, NH.

Contact: Stephen Berry, email:
berry@rainbow.uchicago.edu; application
forms: grc@grcmail.grc.uri.edu.

**"Gull Lake Conference on Nuclear
Physics Near The Drip Lines"**, 21-24 August
1996, Gull Lake, MI.

Organizer: Michael Thoennessen. Contact:
Shari Conroy, NSCL, MSU, East Lansing, MI,
48824, phone: (517) 333-6333, fax: (517) 353-
5967, email: conroy@nscl.msu.edu, www:
http://www.nscl.msu.edu/nscl/conferences/gull_96.html.

**"Ninth International Symposium on
Reactor Dosimetry"**, 2-6 September 1996,
Prague, Czech Republic

Hosted jointly by the American Society for
Testing and Materials and the European
Working Group on Reactor Dosimetry.
Contact: D. W. Vehar, Sandia National
Laboratories, MS 1142, Org. 9362, P.O. Box
5800, Albuquerque, NM 87185-1142, phone:
(505) 845-3414, fax: (505) 844-0798, email:
dwvehar@sandia.gov.

**"9th International Symposium on
Capture Gamma-Ray Spectroscopy and
Related Topics"**, 8-12 October 1996, to be
held in Budapest, Hungary.

Contact: G. Molnar, Nuclear Physics
Department, Institute of Isotopes, POB77, H-
1525 Budapest, Hungary, phone: 36-1-275-
4347, fax: 36-1-275-4349, email:
"molnar@iserv.iki.kfki.hu".

**"LAMPF Users Group Inc. Symposium
- 20 Years of
Meson Factory Physics:
Accomplishments and**

Prospects", 25-26 October 1996, Los
Alamos, NM
Contact: Susan Ramsay, LANL, MS H844, Los
Alamos, NM 87545, phone: 505-665-1819,
fax: 505-665-6943, email: lugi@lanl.gov.

**"Fourteenth International
Conference On The Application Of**

Accelerators In Research And Industry", 6-
9 November, 1996 (Wednesday through
Saturday), University of North Texas

Sponsored By: University of North Texas.
Support Requested From: U.S. Department of
Energy, National Science Foundation, and
University of North Texas.

Conference Chairmen: Jerome L. Duggan,
University of North Texas, Denton, Texas
76203. Phone: (817) 565-3252 or 3250. FAX:
(817) 565-2227. E-MAIL:

stippe@cas.unt.edu. You can visit our site on
the World Wide Web at the following URL:
<http://www.phys.unt.edu/accelcon> I.L. Morgan,
IDM Inc., Austin, Texas.

**"DAPHNE Workshop on Hadron
Dynamics with the new DAPHNE and
CEBAF facilities"**, 11-14 November 1996.

It will take place at the Frascati National
Laboratories (Italy).
The workshop is jointly organized by DOE
(USA) and
INFN (Italy). Email:
daphne96@axlnf1.lnf.infn.it.

**"25th INS Symposium on Nuclear and
Particle Physics with High-Intensity Proton
Accelerators"**, 3-6 December 1996, INS,
Tokyo, Japan.

Host: Institute for Nuclear Study, Univ. of
Tokyo. Sponsors: KEK and RCNP(Osaka)
Contact: T. Fukuda, email:
fukuda@insei1.decnet@kek.vax.kek.jp, or Ms.
K. Hata, INS, Univ. of Tokyo, 3-2-1 Midori-
cho, Tanashi, Tokyo 188; phone: 81-424-69-
9599; fax: 81-424-62-0775; email:
insymp25@ins.u-tokyo.ac.jp; WWW:
<http://www.ins.utokyo.ac.jp>

**"XX Nuclear Physics Symposium at
Oaxtepec"**, Oaxtepec (Mexico), January 6-9,
1997.

Information to be found at the website
<http://www.nuclecu.unam.mx/oaxtepec/oaxtepec.html>. For further information contact:
Roelof Bijker, Instituto de Ciencias Nucleares
UNAM, A.P. 70-543, 04510 Mexico DF,

Mexico, fax: (525) 616-2233, email:
bijker@nuclecu.unam.mx.

The University of New South Wales, Sydney
2052, Australia.

**"Sixth Conference on the Intersections
of Particle & Nuclear Physics"**, 27 May - 2
June, 1997, Big Sky, MT.
Contact: Conference Secretary: Susan
Ramsay, CIPANP, LANL,
MS H844, Los Alamos, NM 87545, phone:
(505) 665-1819,
fax: (505) 665-6943, email:
"cipanp@lanl.gov"; web page address:
<http://intersections.lanl.gov>.

**"Sixth International Conference on
Nucleus-Nucleus Collisions"**, 2-6 June 1997,
Park Vista Hotel, Gatlinburg, TN.
Co-hosted by the Physics Division, ORNL and
the National Superconducting Cyclotron
Laboratory, MSU.
Contact: Ms. Ann M. McCoy, Conference
Secretary, Mail Stop 6368, Oak Ridge National
Laboratory, Oak Ridge, TN 37831-6368,
email: nn97@mail.phy.ornl.gov.

**"2nd International Symposium on
Symmetries in Subatomic Physics"**, 25-28
June 1997, University of
Washington, Seattle, WA
Contact Ernest Henley, University of
Washington, Physics, Box 351560, Seattle, WA
98195-1560, email:
henley@phys.washington.edu, or see
<http://www.phys.washington.edu/~henley/symmetries>.

**"The Ninth International Conference
on Recent Progress in Many-Body
Theories"**, 21-25 July 1997, School of
Physics, The University of New South
Wales, Sydney, Australia.
Preferred form for pre-registration and
registration is via the conference homepage:
<http://www.phys.unsw.edu.au/conf/mbix/mbix.html>, email: mbix@newt.phys.unsw.edu.au,
fax: 61 2 9385 6060
Convenor: David Neilson, Secretary: Jill
Walker, MBIX Conference, School of Physics,

INVITED SPEAKERS OF THE DNP FALL MEETING CAMBRIDGE, MA 2-5 OCTOBER 1996
--

The meeting includes six invited sessions, one of which is a plenary session. The plenary session is in Kresge Main Auditorium. All other invited sessions are in the Stratton Student Center.

**3 October
9:00 Thursday Morning**

PA Physics of the Long Range Plan, L. L. Riedinger, presiding.

W. Nazarewicz (Univ. of Tennessee, Knoxville), "The Challenges of Nuclear Structure."

N. Isgur (TJNAF), "The Quark Structure of Matter."

W. A. Zajc (Columbia Univ.), "Investigating the Phases of Nuclear Matter."

E. G. Adelberger (Univ. of Washington), "Fundamental Symmetries and Nuclear Astrophysics: Recent Progress and New Challenges."

1:00 Thursday Afternoon

AA New Results in Medium Energy Physics, T. W. Donnelly, presiding.

H. Stroehrer (Univ. of Giessen), "Test of Chiral Dynamics from Low-Energy Photo Pion Experiments at MAMI."

E. Korkmaz (Univ. of Northern British Columbia), "The $p(\gamma, n)\pi^+$ Reaction Near Threshold."

G. Warren (MIT), "Focal Plane Polarimetry Results from Bates."

M. Ferro-Luzzi (NIKHEF), "Measurement of Spin Observables with Polarized Internal Targets at NIKHEF."

A. O. Mateos (MIT), "Pion Absorption in Nuclei."

AB Mini-Symposium - Giant Resonances I, U. Garg, presiding.

A. van der Woude (KVI, Univ. of Groningen), "Accomplishments, Problems and Challenges in Giant Resonance Research."

**4 October
9:00 Friday Morning**

BA Effective Field Theory and Nuclear Physics, R. Springer, presiding.

H. Georgi (Harvard), "Introduction to Effective Field Theories."

A. M. Nathan (Univ. of Illinois, Urbana-Champaign), "Low-Energy Test of Chiral Symmetry."

D. B. Kaplan (Univ. of Washington), "Nucleon-Nucleon Scattering from Effective Field Theory."

R. Furnstahl (Ohio State University), "Effective Field Theories of Nuclear Structure."

BB Mini-Symposia - Giant Resonances - II, D. H. Youngblood, presiding.

A. Bracco (Univ. of Milano), "The Giant Dipole Resonance in Hot Nuclei: Review of Some Recent Experimental Results."

1:00 Friday Afternoon

CA Nuclei and Other Mesoscopic Systems, T. L. Khoo, presiding.

S. Bjornholm (Univ. of Copenhagen), "Model Nuclei in the Form of Metal Clusters."

J. P. Schiffer (ANL and Univ. of Chicago), "Parallels between Trapped Ion Clouds and Nuclei."

Y. Alhassid (Yale), "Quantum Chaos in Mesoscopic Systems: from Nuclei to Quantum Dots."

S. Frauendorf (IKH, Forschungszentrum Rossendorf), "Mesoscopic Aspects of Nuclei."

CB Mini-Symposium - Identical Bands in Nuclei, J. A. Becker, presiding.

P. Fallon (LBNL), "Identical Bands: Does 'Seeing Double' Mean We Learn Twice as Much?"

3:30 Friday Afternoon

DA Science Policy, L. L. Riedinger, presiding.

E. J. Moniz (White House Office of Science and Technology Policy), "Basic Science and Public Support."

5 October

9:00 Saturday Morning

EA New Experimental Results: Double Beta Decay and Heavy Ions, B. Jacak, presiding.

A. Piepke (Caltech), "Observation of the Double Beta Decay of ^{48}Ca ."

H. Z. Huang (Univ. California, Los Angeles), "Recent Results on

Strangelet Searches from the E864 Spectrometer at the BNL-AGS."

J. B. Elliott (Purdue), "Statistical Mechanics and Thermodynamics of Nuclear Multifragmentation."

T. Glasmacher (Michigan State Univ.), "Finding a New Region of Deformation with Radioactive Ion Beams."

EB Mini-Symposium - Halo Nuclei, F. Becchetti, presiding.

B. M. Sherrill (Michigan State Univ.), "Overview of the Nature of Halo Nuclei."

1:00 Saturday Afternoon

FA The Weak and Strong Interactions in Low and Medium Energy Physics, B. Serot, presiding.

M. R. Frank (INT), "Extending the Range of Low-Energy Effective Theories."

A. Garcia (Notre Dame), "Limits on Scalar Contributions to the Weak

Interaction and Isospin Mixing Determination Using Measurements of Electron-Neutrino Correlations."

C. Elster (Ohio Univ.), "Application of Multiple Scattering Theory to Elastic Nucleon-Nucleus Scattering."

B. Fujikawa (LBNL), "Determination of CKM Matrix Elements with Superaligned Fermi Decays."

FB Mini-Symposium - Nuclear Temperature Thermometers, R. Roy, presiding.

H. M. Xu (Texas A&M), "Nuclear Temperature Measurements."

**EPITOME OF THE DNP FALL MEETING
CAMBRIDGE, MA
2-5 OCTOBER 1996**

Chairpersons are in parentheses. Names without initials indicate invited speakers. All rooms are in the Stratton Student Center. The plenary session policy talk and town meeting are in Kresge Auditorium. The invited sessions are in the Sala de Puerto Rico Room, and the Mini-Symposia are in Twenty Chimneys. The contributed sessions are in Rooms 407, 491, Public Dining Rooms 1 and 2 and Bexley - Main.

Registration

On-site registration for the meeting will take place in the Stratton Student Center. Registration times are as follows:

Wednesday, 2 October
07:30 - 09:30

Wednesday, 2 October *
17:30 - 19:00

Thursday, 3 October
08:00 - 17:00

* Cambridge Center Marriott

2 October

9:00 Wednesday Morning

Workshop A: The Quark and Gluon Structure of the Nucleon - Session 1. *Ji, Rith, Beise* (R. Milner) Sala.

1:30 Wednesday Afternoon

Workshop A: The Quark and Gluon Structure of the Nucleon - Session 2. *Mueller, Heil, Peng, Wiese* (J. Negele) Sala.

8:45 Wednesday Morning

Workshop B: Disoriented Chiral Condensates - Session 1. *Rajagopal, Bjorken, Gavin, Wyslouch* (S. Steadman) Twenty Chimneys.

1:15 Wednesday Afternoon

Workshop B: Signatures of the Quark Gluon Plasma - Session 2. *Mueller, Safarik, Tserruya, Trzaska, Baker* (C. Ogilvie) Twenty Chimneys.

3 October

9:00 Thursday Morning

PA Physics of the Long Range Plan. *Nazarewicz, Isgur, Zajc, Adelberger* (L. Riedinger) Kresge Main.

11:30 Thursday Morning

PS Poster Session 1. Rockwell Cage.

1:00 Thursday Afternoon

AA New Results in Medium Energy Physics. *Stroeher, Korkmaz, Warren, Ferro-Luzzi, Mateos* (T. Donnelly) Sala.

AB Mini-Symposium - Giant Resonances

I. *van der Woude*

(U. Garg) Twenty Chimneys.

AC Heavy Ions. (R. Casten) Room 407.

AD Nuclear Structure - Theory. (J. Millener) Room 491.

AE Instrumentation and Methods: Heavy Ions. (D. Olson)

Dining Rooms #1 and #2.

AF Alpha Decay and Fission. (R. Haight) Bexley - Main.

Thursday Evening

15:30-17:30 Phys. Rev C, Phys. Rev. Let. Drop-In Hour,

Mezzanine Lounge.

16:00-17:00 88-Inch Cyclotron User's Group, Room #407.

16:00-17:00 JANF (CEBAF) User's Group, Sala.

16:00-17:00 HRIBF User's Group, Bexley-W11.

16:00-17:00 NSCL User's Group, Twenty Chimneys.

16:00-18:00 Gammasphere User's Group, Room 407.

17:00-18:00 AGS User's Group, Room 491.

17:00-18:00 Bates User's Group, Dining Rooms #1 and #2.

18:15 Bates Tour

4 October

9:00 Friday Morning

BA Effective Field Theory and Nuclear Physics. *Georgi,*

Nathan, Kaplan, Furnstahl (R.

Springer) Sala.

BB Mini-Symposia - Giant Resonances - II. *Bracco* (D. H. Youngblood) Twenty Chimneys.

BC Relativistic Heavy Ions - I. (H. Gould) Room #407.

BD Electromagnetic Interactions/Neutron Physics. (R.

Alarcon) Room #491.

BE Nuclear Structure A > 160. (J. A. Cizewski) Dining Rooms

#1 and #2.

BF Resonances and High Energy. (R. Chrien) Bexley - Main.

11:30 Friday Morning

Poster Session 2. Rockwell Cage.

1:00 Friday Afternoon

CA Nuclei and Other Mesoscopic Systems. *Bjornholm, Schiffer, Alhassid, Frauendorf* (T. L. Khoo) Sala.

CB Mini-Symposium - Identical Bands. *Fallon* (J. A. Becker) Twenty Chimneys.

CC Relativistic Heavy Ions II. (J. Kapusta) Room #407.

CD Nuclear Astrophysics. (M. Smith) Room #491.

CE Nuclear Theory. (B. Barrett) Dining Rooms #1 and #2.

CF Nuclear Structure: $A < 100$. (M. E. Brandan) Bexley - Main.

3:30 Friday Afternoon

DA Science Policy. *Moniz* (L. Riedinger) Kresge Main

PB Town Meeting, Kresge Main

Friday Evening

17:30 Departure from Kresge Main for dinner/cruise

5 October

9:00 Saturday Morning

EA New Experimental Results: Double Beta Decay and Heavy Ions. *Piepke, Huang, Elliott, Glasmacher* (B. V. Jacak) Sala .

EB Mini-Symposium - Halo Nuclei. *Sherill* (F. Becchetti)

Twenty Chimneys.

EC Nucleon Form Factors. (J. Heisenberg) Room #407.

ED Weak Interaction and Neutrinos. (J. Wilkerson) Room #491.

EE Nuclear Structure $100 < A < 160$. (N. Benczer-Koller) Dining Rooms #1 and #2.

EF Instrumentation: Polarization and Radioactivity. (J. Comfort) Bexley - Main.

1:00 Saturday Afternoon

FA The Weak and Strong Interactions in Low and Medium Energy Physics. *Frank, Garcia, Elster, Fujikawa* (B. Serot) Sala.

FB Mini-Symposium - Nuclear Temperature Thermometers. *Xu* (R. Roy) Twenty Chimneys.

FC Polarization (D. Madey) Room #407.

FD Quarks and QCD. (S. Gardner) Room #491.

FE Education, Instrumentation, and Methods (B. K. Hartline) Dining Rooms #1 and #2.

FF Relativistic Heavy Ions III (P. Paul) Bexley - Main.