BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

A Tradition of Lectureships

Carrying on a 32-year tradition at BNL are these members of the Lectureship Committee, the group responsible for awarding lectureships for two important series — the Pegram Lectures and the AUI Distinguished Lectures.

Named in honor of George Braxton Pegram, the Columbia University Graduate School Dean who played a key role in the founding of BNL and became one of the incorporating trustees of Associated Universities, Inc. (AUI), the Pegram Lecture Series was initiated in 1959. Using this forum, 20 invited speakers have come to BNL over the years, to address different aspects of their chosen topics over two or three consecutive evenings.

The AUI Distinguished Lecture Series generally brings speakers to the Laboratory to deliver single lectures of interest to the general public. Since 1965 when this series got under way, 36 lecturers have spoken under its aegis.

Roger Stoutenburgh

Several AUI Lectures are on the agenda for this year (see story below), and the committee, which is appointed by the Laboratory Director, is working hard to finalize the arrangements for the 1991 program: (from left) Mark Sakitt, Director's Office; Horst Foelsche, Accelerator Development Department; Chairman Hobart Kraner, Instrumentation Division; Paul Michael, Department of Applied Science; Roger Klaffky, National Synchrotron Light Source Department; and James Guppy, Department of Nuclear Energy. Not shown are Anita Cohen, ex officio, Public Affairs Office; Louis Friedman, Chemistry Department; Darrel Joel, Medical Department; and Myron Strongin, Physics Department.

AUI Distinguished Lecture
On the World Energy Industry

What kind of energy will the world use to heat homes and fuel cars in the year 2050?

Morrel H. Cohen, a scientific advisor at Exxon's Research and Engineering Company, will attempt to answer this intriguing question in an AUI Distinguished Lecture on Wednesday, March 27, at 4:30 p.m. His talk, which will be held at Berkner Hall, is entitled "Growth and Change in Human Society: The World Energy Industry 2050; Europe 7000 B.C."

In his talk, Cohen will discuss the changes he expects in the world energy industry over the next 60 years — the characteristic time span it takes for society to substitute one form of energy for another. He will apply the same kind of quantitative analysis to the change that occurred around 7000 B.C. with the neolithic transition from hunting and gathering to farming societies in Europe. He will also provide a simple explanation for the persistence to present times of such anomalous languages as Basque.

Cohen received his Ph.D. in physics from the University of California, Berkeley, in 1952, and had a long academic career at the University of Chicago until 1981, when he joined Exxon. The author of 271 scientific publications in physics, chemistry, biology, materials science and geophysics, Cohen has received honors for professional achievements from 11 insitutions, including the American Physical Society and the National Academy of Sciences.

BWIS Seminar

"From Spectroscopy to the Stars: How Knowledge of the Structure of Light Nuclei Has Led to Our Understanding of Astrophysical Processes" will be presented by Faye Ajzenberg-Selove, professor of physics at the University of Pennsylvania, at the next seminar sponsored by Brookhaven Women in Science (BWIS).

It will take place on Tuesday, March 26, at 3:30 p.m., in the Physics Seminar Room, Bldg. 510. Refreshments will precede the talk at 3:15 p.m. All are invited.

Those who wish to have lunch with the speaker at noon that day in Room A, Berkner Hall, are requested to make reservations, at $10 per person, with Eva Bozoki, Ext. 3701.

Note to Employees:

Attendance at lectures, meetings and other special progams held during normal working hours is subject to supervisory concurrence.

Joanna Fowler Honored By Brookhaven Town

Joanna Fowler, a senior chemist in the Chemistry Department, is one of eleven women who were honored by Brookhaven Town last night in a ceremony at the town auditorium in Medford.

Since 1987, Brookhaven Town's Office of Women's Services has celebrated National Women's History Month by awarding plaques to women who have made significant contributions to their fields. All of the women so honored live or work in Brookhaven Town.

Fowler, a resident of Bellport, was recognized for her scientific achievements, which include the development of radiotracers for positron emission tomography, or PET. This medical imaging technique allows Fowler and her colleagues from BNL's Chemistry and Medical Departments, New York University School of Medicine and the State University of New York at Stony Brook Health Sciences Center to measure glucose metabolism and other biochemical processes in the brain and other organs. Fowler and her collaborators have used PET to study schizophrenia, Parkinson's disease, Alzeimer's disease and substance abuse.

This basic research may lead to new strides in the prevention and treatment of these diseases. Said Fowler, "Today there are tremendous opportunities to learn more about the human brain by integrating basic knowledge from different disciplines with high technology instrumentation like PET. What I consider to be the most exciting is the application of basic research to the development of a broad spectrum of tracer methods for understanding the neurochemical abnormalities accompanying neurological and psychiatric diseases and addiction. With this knowledge, safer and more effective methods for the prevention and treatment of diseases and addiction can be anticipated."

After earning her Ph.D. at the University of Colorado in 1967, Fowler pursued her research at the University of East Anglia, England, before joining BNL's Chemistry Department in 1969. Along with BNL Senior Chemist Alfred Wolf, she was corecipient of the 1988 Gustavus John Esselen Award for Chemistry in the Public Interest, an award that is granted annually by the Northeast-

(continued on page 3)

Roger Stoutenburgh

Joanna Fowler

Inside Info

Senior Chemist **Gerhart Friedlander,** Chemistry Department, was elected a Fellow of the American Association for the Advancement of Science (AAAS) during the AAAS annual meeting in February.

Friedlander was one of 280 individuals to be elected this year. An AAAS Fellow is described as "a member whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished."

Specifically, Friedlander was cited "For work in nuclear reactions and properties of radioactive nuclides."

Formed in 1848, the AAAS publishes the weekly journal *Science* and currently has over 132,000 individual members and nearly 300 affiliated scientific and engineering societies and academies of science.

Haworth Distinguished Lecture
Defining the Global Problematique

"The Global Problematique: The Coming Transition in the World Economy" will be the topic of a Labwide lecture by the Lab's sixth Haworth Distinguished Scientist, Harvey Brooks. The talk will take place on Thursday, March 28, at 4 p.m., in Berkner Hall. It will be followed by a reception at 5 p.m.

Benjamin Pierce Professor of Technology and Public Policy emeritus and Gordon McKay Professor of Applied Physics emeritus at Harvard University, Brooks began his appointment with the Department of Applied Science last year.

The global problematique refers to the foreseeable difficulties in closing the welfare gap between the developed and the developing world, while maintaining the resource and environmental base on which a viable civilization will depend. As Brooks will explain, this will require that the developing world's relative rate of growth in social and economic well-being be greater than the historic rate of growth of the present developed world.

Such growth, Brooks will emphasize, will require a sociotechnical transformation of far greater scale and scope than any seen in the past. His lecture will summarize some of the present thinking about this subject, and define some of the options for the future, as well as the challenges that they represent for the world technical community.

The Haworth Distinguished Scientist appointments honor the memory of Leland J. Haworth, BNL's second Director. Haworth lecturers spend from one to three weeks per year for up to three consecutive years in residence at Brookhaven.

For more information about Brooks' schedule while at BNL, call Betty Ivero, Ext. 2208.

Women at Brookhaven: Starting With a Ph.D.

Throughout the month of March — National Women's History Month — the Bulletin has been running a series of articles profiling a range of Lab women in science and engineering.

This series concludes by focusing on the research associate program for new Ph.D.s and by highlighting another BNL woman scientist who recently earned her Ph.D. through the Lab's tuition refund program.

Research Associates

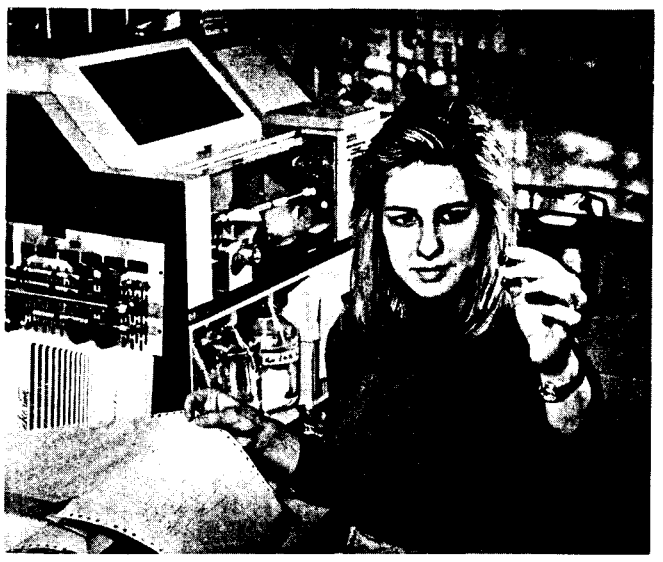
September 1, 1948

In order to ensure adequate rotation of Young Scientists with differing degrees of academic training and experience, and, at the same time, to protect the interests of the individual, term appointments are being introduced and a limit has been set to the number of years of employment in the more junior classifications. . . . With such an understanding, failure to reappoint an individual after a few years spent at the Laboratory need reflect in no way upon his competence or upon the job that he has done, but rather results from the requirement that other younger men be given the opportunities which he has just had.

— Leland J. Haworth, Acting Director

Ruimei Ma

— Photos on these pages by Roger Stoutenburgh



Carol Salata

In that memorandum to the scientific staff during Brookhaven's second year of existence, the Lab's second Director referred to the position of research associate — a postdoctoral scientific personnel position that still exists today.

While Haworth may have anticipated the longevity of his appointment hierarchy, his wording indicates that he, like most people in 1948, did not envision that the Young Scientists about whom he wrote would today include young women as well as young men.

Today, in fact, 14 out of 61, or almost 23 percent, of BNL's research associates are female -- up from less than 10 percent a decade earlier. More than half of today's female postdocs are doing their research in physical sciences.

"While the increase reflects the increasing numbers of women taking their bachelor's and graduate degrees in science, it is encouraging that the Lab is able to attract its fair share of female postdocs," comments Gail Williams, Manager of the Office of Scientific Personnel (OSP), which oversees scientific staff appointments.

According to the National Science Foundation, the percentage of women who received Ph.D.s in the physical sciences increased from almost 11 percent in 1979 to almost 19 percent in 1989. Over that same decade the percentage of females who earned Ph.D.s in the biological sciences increased from about 26 to 37 percent.

According to OSP, about 25 new research associate positions are taken each year by unaffiliated scientists and engineers who are within three years of having received their doctoral degrees. These appointments are made for terms of one to two years from the hire date, but may be extended for a third year in exceptional cases.

During their stay, research associates participate in the Lab's new and ongoing research.

For instance, after completing her Ph.D. in organic chemistry at the State University of New York at Stony Brook last August, Research Associate Carol Salata accepted a one-year postdoc in BNL's Chemistry Department. Her work in Alfred Wolf's Radiopharmaceutical Group involves labeling a human growth factor with a radioisotope for use as a tracer during diagnostic positron emission tomography scanning for cancer.

Another Stony Brook graduate, Research Associate Ruimei Ma took her Ph.D. in nuclear physics last June, and the Lab's Medical Department hired her for a one-year postdoc that July. Within Abraham Dilmanian's Medical Physics Group, Ma has been developing new hardware and software for the inelastic neutron scattering system used to measure total body carbon in humans.

To encourage more women, as well as Native Americans, Afro-Americans and Americans of Spanish or Latin American descent, to apply for a BNL postdoc in Physics, the Physics Department recently established Research Fellowships in Physics. These special research associate positions are designed to increase the participation of groups currently underrepresented within the fields of high energy, nuclear and condensed-matter physics.

Explains Physics Department Chairman Peter Bond, "By providing the financial support of such candidates, we are encouraging groups within Physics to be proactive in the pursuit of a more diversified workforce."

When research associates' appointments expire, they are expected to find employment elsewhere. Of course, if a regular Lab position opens at the time, they may compete for it along with job candidates from other institutions. Each year, BNL hires as assistant scientists about a half dozen of its 60-plus research associates.

"Because BNL is a government-funded laboratory with an academic grounding and corporate involvement, a postdoc at Brookhaven is a good springboard to any other type of institution — be it government, academia or industry," explains Williams. "So, in training female research associates, the Lab not only influences the future of science at other institutions, but also the composition of the scientific workforce." — Marsha Belford

Brenda Laster, Medical

For Medical Associate Brenda Laster, this past Valentine's Day was not only a day for hearts and flowers. It was also a day for arts and letters — as on February 14, Laster completed her Ph.D. in radiation biology under the Lab's tuition reimbursement program.

"While I have been working independently and contributing scientifically for several years, I now have the necessary calling card, which I hope will enable me officially to sponsor students at the Lab under BNL's various educational programs," explains Laster.

A member of the Experimental Radiotherapy Group in BNL's Medical Department, Laster is now carrying on the work of her mentor, the late BNL Scientist Ralph Fairchild. Before his untimely death last December, Fairchild had been a leader in developing the physics and biology of two experimental cancer treatments: photon activation therapy and boron neutron capture therapy.

Laster came to BNL in November 1982, giving up a lucrative consulting business as a diagnostic cytologist to do cancer research. "I was offered four jobs, and I accepted Ralph's because I thought it would be the most challenging. Actually, it most challenged the notion I have carried around since childhood that girls can't do physics," recalls Laster.

Since then, working independently, Laster has performed cell culture and animal irradiation studies to substantiate Fairchild's theory on the effectiveness of using a certain compound in photon activation therapy. As well, she has done the cell and animal studies to investigate the possibility of using a host of newly synthesized boron compounds in boron neutron capture therapy, which Fairchild had helped revive.

By 1984, she remembers, "I had developed the hands-on technical skills, but, since I wanted to contribute scientifically, I felt that my book knowledge was outdated. So I decided that, to get where I wanted to go, I had to go back to school."

Brenda Laster

With a 1962 bachelor's degree in biology from Stern College and master's equivalent training in cytology from Memorial Sloan Kettering Hospital, Laster wanted to earn a Ph.D., yet continue working full-time. By completing 32 credits -- one course per semester — in the Department of Pathology at the State University of New York at Stony Brook, by using her Lab research for her thesis topic and by having BNL Senior Scientist Victor Bond as her thesis advisor, Laster completed her graduate degree in six years.

Because of her doctorate, Valentine's Day was bittersweet. "I wish Ralph could have been there. But, three months before his death, he paid me his highest compliment — he said that I didn't need him scientifically anymore."

Concludes Laster, "At my age, I have developed more confidence as a result of my further education. Since I am more established and know the benefit of a mentor, I hope I can assist younger women scientists by helping remove some of the political, sociological and psychological roadblocks holding them back on their scientific journey." — Marsha Belford

TUNE IN!

As part of BNL's Employee Relations Program, Tune In! responds to your comments, questions, or complaints about Laboratory policies and practices.

- Please use a separate form for each subject.
- Only one person should sign this form — the answer will be mailed to you at your home.
- As many letters as possible of general interest will be published in the Brookhaven Bulletin.
- Your name will be kept confidential by the editor.

What's bright orange and white and an effective way to voice your comment, question or complaint about a Lab policy or practice — in complete confidentiality?

It's the Tune In! form, and now it should be easier than ever to use.

As a result of a recent survey, buildings all around the site have been resupplied with Tune In! forms and, where necessary, with boxes. All you have to do to take advantage of the Tune In! program is fill out a form and send it to the Editor, Brookhaven Bulletin, either via Lab mail for free or through the U.S. mail, with a 29¢ stamp attached.

After it reaches the Editor's desk, your Tune In! will be retyped and sent anonymously to the appropriate individual for a written reply. On occasion, if both parties agree, the Tune In! and the reply may be printed in the Bulletin.

If you cannot find a Tune In! box in your area, or if your box needs a new supply of forms, please call Public Affairs, Ext. 2345.

New Office for Information Security

As of Monday, March 25, ID badges, vehicle registration and security clearance processing will all take place in the lobby of the Brookhaven Center — at the new Information Security Office. The old office, which was located within a secure area, was inconvenient for both the Information Security staff and its visitors.

The office will be open from 8:30 a.m. to 5 p.m. As before, it will be staffed by Sharon Jones, Susan Rackett and Hank Raimondo. Their Lab extensions — 2493, 5149 and 7258 respectively — will remain the same.

Custodian of BNL's classified documents, Jones also photographs employees for ID badges and registers vehicles. Rackett fingerprints employees and processes their applications for security clearances, and handles requests for travel to sensitive countries by employees with clearances. Supervising the office's operation, Raimondo conducts security training, refreshers and briefings for travel to sensitive countries.

At the new Information Security Office Susan Rackett assists Robert Danowski, Plant Engineering, while Sharon Jones works at her new desk.

LUG Meeting

The next meeting of the Upton Local Users Group (LUG) will be on Wednesday, March 27, at 10:30 a.m. in Room B, Berkner Hall. The meeting will include updates on VMS and UNIX systems at BNL and a presentation on "How RAID Technology Uses Parallel Processing to Improve Disk Performance and Data Availability."

All are welcome. For more information, call Zohreh Parsa, LUG Chairperson, Ext. 2085, or send E-mail to LUG @ BNL.

Software Demo

On Tuesday March 26, Doug Marks Associates will demonstrate electronic computer-aided-design software from IBM, CADAM, Inc., Massteck, and MB Martin, Inc. The software will be presented on the IBM Risc/6000, SUN Sparcstation and PC.

The demonstrations will be held in Berkner Hall from 10 a.m. to 2 p.m. For more information, call Pam Mansfield, Ext. 7286.

Equipment Demo

KMS Fusion, Inc., will show their detectors and instruments in Berkner Hall on Wednesday, March 27, from 10 a.m. to 2 p.m. Literature will also be available on products including BrightView, which converts ultraviolet and x-ray images into visible images in real time; BrightCam-III and BrightCam-IV, which can rapidly freeze-frame four images sequentially; the Video Image Acquisition System, which converts a visible image into a digital file; and the XUV-007, a detector sensitive to ultraviolet through x-ray radiations.

Plant Sale

The Association for the Help of Retarded Children (AHRC) will hold an Easter plant sale outside the Cafeteria next Thursday and Friday, March 28 and 29, from 11 a.m. to 3 p.m. It will be run by AHRC volunteers, such as retired BNLer Isidore Danowski. The sale's proceeds will be used to fund activities for mentally retarded adults.

Golf Meeting

There will be an organizational meeting of the BERA Golf Association on Friday, April 5, at 5:15 p.m., in the lounge of the Recreation Hall.

Membership applications have been mailed out to last year's members. Prospective members may obtain an application by contacting Ron Webster, Ext. 2845. The deadline for returning membership applications is Monday, April 1.

Great Adventure Tickets on Sale

Great Adventure Park in New Jersey will open on Friday, March 29, and BERA is again offering discount tickets to employees. Combination tickets, which include the safari, are $20; tickets for the theme park only are $18. There is no child's ticket this year.

In May, the park will unveil a new, 15-acre water section, Adventure Rivers, which will include ten innovative water rides and one acre dedicated to children's attractions.

Great Adventure's operating schedule for 1991 is posted at the BERA Sales Office, where tickets may be purchased from 9 a.m. to 2 p.m. weekdays.

In Memorian

Ramon J. Jarazo, a drafting specialist in the Plant Engineering Division who had been on long-term disability since August 1987, died on March 11 at the age of 66 following a long bout with cancer. He was buried on March 15 in Holy Sepulchre Cemetary in Coram.

Jarazo came to work at the Lab in June 1984 as a principal drafter. In October 1986, he was promoted to his last position.

A resident of Rocky Point, Jarazo is survived by his wife Margaret, five children: James Jarazo of Brooklyn; Mary Ellen Mauro, Shirley; Susanne LaBella, Mount Sinai; Dolores Jarazo, Delray Beach, Florida; and Margaret Jarazo of Eastham, Massachusetts; and five grandchildren.

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Bowling

Red/Green League

K. Asselta had a 231/217/638 scratch series, M. Guacci 225/201, E. Carter 216/210/602 scratch, N. Franco 209, E. Meier 205, W. Kollmer 204, R. Jansson 203, W. Cahill 202.

Purple League

John McCarthy had a 213, Sharon Smith 212, Kay Conkling 207, Mark Guadagna 203, Ron Picinich 202, Joe Ferrante 201, Nancy Erickson 197, Pat Manzella 193, Gail Schuman 186, Georgia Irving 185, Mary Scheidet 181.

White League

Ken Riker had a 227/201, Ralph Vega 223, Jim Goode 217, Jim Petro 207, Maryann Reynolds 185, Karen Jacobs converted the 7/8/10 split.

L.I. Industrial Tournament

The team representing BNL is in second place after three weeks of bowling. Ron Mulderig had a 224/200/604 scratch series, Rich Eggert 200.

Camera Club

The Camera Club will hold its monthly meeting in Berkner Hall on Thursday, March 28, at 5:15 p.m. As always, interested nonmembers are invited to attend.

During the meeting, the photos on the club's exhibit board will be changed. Both members and nonmembers are invited to contribute photos that meet the exhibit's display criteria. Also on the agenda is a discussion of plans for upcoming programs on subjects such as portable flash, special effects and darkroom techniques.

For information, contact Lew Jacobson, Bldg. 134C, Ext. 5193; Ripp Bowman, Bldg. 911B, Ext. 4672; or Anne Baittinger, Bldg. 134, Ext. 5055.

Basketball

Games of March 14

Celtics 53		Runaways 51	
P. Browne	16	J. Belz	13
G. Mack	14	P. Ratzke	10
N. Schaknowski	7	G. Shepherd	9
B. Turner	7	J. Desmond	8
J. Wells	7	J. Garrison	5
A. Jones	2	L. Walcott	4
		G. Smith	2

Three-point shots: G. Shepherd, L. Walcott, J. Wells

Bulls 75		Deep Six 51	
F. Ligon	18	R. McMillian	15
M. Williams	15	B. Brown	14
S. Gilbert	10	R. Hart	12
L. Furenlid	10	D. Eleazer	7
B. O'Brien	10	J. Willi	3
P. Bruhwiler	8		
J. Hrilijac	4		

Three-point shots: B. Brown, S. Gilbert, R. Hart (2), R. McMillian (4), M. Williams

Trailblazers 45		Scram 37	
T. Mayo	15	S. Nappi	12
D. Evans	10	E. Gregory	10
S. Cramer	8	V. Cassella	7
C. Edwards	7	J. Duggan	6
R. Domenech	3	M. Davis	2
S. Springston	2		

Three-point shots: E. Gregory, S. Nappi (2)

Disney Openings Still Available

There are still openings for the BERA-sponsored, six-day, five-night trip to Disney World in Florida, scheduled for October 10-15, 1991.

The following per-person rates are based on occupancy of one room:

4 adults - $835
3 adults - $888
2 adults - $995
1 adult - $1,396

Children age 3-9, $560, age 10-17, $594
Rates for ages 3-17 are applicable only when occupying room with adult(s); age 2 pays airfare only, $371.

The trip is open to a maximum of 40 people, and reservations are now being taken on a first-come, first-served basis. To reserve your space, contact Recreation Supervisor M. Kay Dellimore, Ext. 2873, Bldg. 185. A deposit of $100 per person is required.

The trip rates include: round-trip airfare between Islip and Orlando via American Airlines; five nights at Disney's Polynesian Resort; unlimited admission and use of attractions, and much more!

For more information, call Dellimore or Louisa Barone, Ext. 3347.

Volleyball

Standings as of March 14

Open League		League I	
Phoenix	48-15	Cannonballs	38-13
GTEAM	49-17	Upfagrabs	35-16
Me & the Boys	43-23	Dinkers	27-24
Magnum	42-24	Rude Dogs	26-25
Dig It	30-33	Network News	21-30
Penetrating Vollies	12-54	Upsetters	6-45
Jet Setters	5-61		

League II		League III	
Fossils	42-9	High Volley'em	30-18
Net Wits	38-13	Nutcrackers	30-18
Nuts & Bolts	37-14	NoKaOe	26-25
Pteropods	31-20	Sourcerers	23-25
Upton Ups	20-31	Good Timers	22-28
Chunga's Revenge	16-35	Undertakers	21-27
Slammers	15-36	Renegades	19-29
Aces	5-46		

Arrivals & Departures

Arrivals

Charles J. Butehorn.....Accel. Dev.

Departures

This list includes all employees who have terminated from the Lab, including retirees:

John R. Becan.....AGS

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on Monday, March 25, at 6 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports and the president's report.

Fowler (cont'd)

ern Section of the American Chemical Society.

Others honored at the Brookhaven Town ceremony were: Maria Teresa Aliperti, Young Careerist; Ann Smith Coates, Law; Helene Coyle, Medicine; Marylou DiClemente, Business; Michele Dougherty, Sports; Elizabeth C. McCarville, Education; Kristine Nogiewich, Religion; Elsie Owens, Community Service; Marilyn Schairer, Communications; and Marcia Wiener, Arts. — Diane Greenberg

Vote Next Week for BERA Board

Elections for two new members to serve on the Executive Board of the Brookhaven Employees Recreation Association (BERA) will take place each day next week. Eligible voters will be asked to choose two Board members from among the following four candidates:

- **Andrea Epple**, Safety & Environmental Protection Division
- **Barry Karlin**, National Synchrotron Light Source Department
- **Rosalie Piccione**, Division of Contracts & Procurement
- **Gary Smith**, Alternating Gradient Synchrotron Department

Those eligible to vote in the BERA Board election include employees of BNL, AUI and DOE, as well as all other permanent, on-site employees.

Absentee ballots for employees who will not be on site next week will be accepted in person at the Recreation Office, Bldg. 185, through today.

Ballots may be cast as follows (please note changes from schedule printed last week):

Date	Time	Place
Mon., 3/25	11:30-1:30	Cafeteria
Tue., 3/26	11:30-1:30	Cafeteria
Wed., 3/27	11:30-1:30	Credit Union
Thu., 3/28	11:30-1:30	Credit Union
Fri., 3/29	11:30-1:30	Cafeteria

Walk With BNL-BERA For WalkAmerica

Celebrate the 21st year of the March of Dimes WalkAmerica for Healthier Babies by joining the BNL-BERA team on Sunday, April 28. Funds raised by WalkAmerica support efforts to reduce infant mortality and the incidence of low birth weight. Every walker makes a difference!

To join the BNL-BERA team, pick up a WalkAmerica sponsor sheet at the BERA Sales Office in Berkner Hall, weekdays from 9 a.m. to 2 p.m., or at the Recreation Office in Personnel, Bldg. 185.

For more information, call Louisa Barone, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Please Return

Four copper bars were inadvertently moved from an inspection bench in Bldg. 479, the Heavy Machine Shop, some time between January 21 and March 1. Anyone with information about these bars should contact Tom Lambertson, Ext. 3352, or Mike Palumbo, Ext. 3498.

Two of the bars measure 0.453″×1.840″×43.241″ and have a 0.750″ hole on one end. The dimensions of the other two bars are each 0.775″×1.840″×45.021″, with a "T" shape on one end measuring 1.25″×5″ and having two holes through on 4.25″ centers. The parts all bear yellow inspection tags with work order #21865, part numbers 10 and 11.

Early Pay Checks

Because the Teachers Federal Credit Union (TFCU) will be closed for business on Friday, March 29, employees will be unable to cash their paychecks on that day, despite the fact that it is a normal payday for all BNL employees — weekly and monthly.

To alleviate the inconvenience, paychecks for the week ending March 24 and month ending March 31 will be distributed on Wednesday, March 27, and Thursday, March 28, respectively, and can be cashed on those dates.

Aerobic Dance Club

The Aerobic Dance Club will offer spring classes in aerobic dance on Tuesdays and Thursdays, and stretch classes on Mondays. Classes run from 5:15 to 6:15 p.m., and mats are recommended.

Each ten-week session of aerobic dance or stretch costs $30, payable at registration preceding the first classes, which will be held in the Recreation Building in the apartment area as follows:

- **Stretch** — Monday, March 25
- **Aerobic Dance** — Tuesday, March 26, and Thursday, March 28

For more information, call Pat Campbell, Ext. 4853, or Janet Sillas, Ext. 2345.

Cafeteria Menu

Monday, March 25	
Soup: Cream of mushroom	.75/.95
Entree: Baked chicken Dijon w/1 veg.	3.10
Entree: Baked broccoli quiche w/1 veg.	3.10
Fitness: Combination lo mein w/1 veg.	3.10
Carvery: Hot pastrami sandwich	2.85
Grill: Grilled patty melt	2.85
Tuesday, March 26	
Soup: English beef broth w/barley	.75/.95
Entree: Beef Stroganoff w/1 veg.	3.10
Entree: Baked lasagna w/1 veg.	3.25
Fitness: Chef's choice	3.45
Carvery: Hot roast beef sandwich	2.85
Grill: Hot dog w/cheese & bacon	1.30
SPICE: Cheeseburger, fries & 16 oz. Coke	2.85
Wednesday, March 27	
Soup: Broccoli cheddar	.75/.95
Entree: Pizza (slice)	.75
Entree: New Orleans pork Creole w/veg.	3.10
Fitness: Baked fish w/1 veg.	3.45
Carvery: Hot Black Forest ham sandwich	2.85
Grill: 3-D burger	2.90
Thursday, March 28	
Soup: Lentil	.75/.95
Entree: Baked meatloaf w/1 veg.	3.10
Entree: Spaghetti w/Italian sausage w/1 veg.	3.10
Fitness: Chicken cha cha w/1 veg.	3.45
Carvery: Hot corned beef sandwich	2.85
Grill: Deluxe hamburger cordon bleu	2.35
SPICE: Special sandwiches (per inch)	.80
Friday, March 29	
Soup: Manhattan clam chowder	.75/.95
Entree: Spicy beef fajitas w/1 veg.	3.10
Entree: Deep-fried fisherman's platter & 1 veg.	3.65
Fitness: Chef's choice w/1 veg.	3.35
Carvery: Hot turkey sandwich	2.85
Grill: Zesty meatloaf sandwich	2.85
Breakfast w/coffee, 7:30 - 10:30 a.m.	2.65

Mon.: 2 eggs, bacon & pancakes
Tue.: Western omelet, French fries, toast
Wed.: Spanish omelet, home fries, toast
Thu.: 2 eggs, bacon, cheese on croissant, fries
Fri.: French toast, 2 eggs, bacon, home fries

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position. Consideration is given to candidates in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action plan, selections are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Division lists new placement notices. The purpose of these listings is, first, to give employees an opportunity to request consideration for themselves through Personnel, and, second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (282-7744), for a complete listing of all openings.

The vacancies listed below have been exempted by the Director's Office from the current freeze on open requisitions.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

DD 0626. OFFICE SERVICES POSITION - Requires previous office experience, excellent data entry, word processing, recordkeeping and communication skills. XyWrite experience desirable. Will act as receptionist for experimental user facility. Will enter and update automated facility access list and provide varied secretarial support to small engineering group. Must be able to obtain and maintain a security clearance. Reactor Division.

MRK/AUI. AUDITING POSITION - Requires BS in accounting or business administration and several years' relevant experience in public accounting or corporate audit. Will assist in the completion of financial, subcontract, and management systems audits. Excellent analytical, written and oral communication skills are required. Associated Universities, Incorporated.

Motor Vehicles & Supplies

80 HONDA ACCORD - 2-dr. h/b, a/t, high mi., runs, $300 or best offer. 821-3005.

80 OLDS OMEGA - 44k mi., runs well, good cond., $900. Giovanni, Ext. 5324.

79 DATSUN 280ZX - 79k orig. mi., loaded, runs, mint cond., $2,000. Emil, Ext. 4289.

79 PONTIAC CATALINA - 4-dr., p/s, p/b, a/t, 70k mi., asking $650. Rich, Ext. 7013 or 698-5294 after 6 p.m.

77 BETHANY POP-UP TRAILER - sleeps 6, opens from sides, gas stove, sink, icebox, $900. Bill, 732-8793.

76 BUICK WAGON - new tires, good cond., $450. Bob, 689-7963.

76 OLDS SUPREME CUTLASS WAGON - 87k mi., orig. owner, good cond., best offer. Ext. 4099 or 689-9214.

76 JEEP WAGONEER QUADRA TRAC - good for parts, 4wd unit in good cond., tires good. Ext. 2950 or 758-2938.

73 BUICK - new tires, tune-up, 8-cyl., 350 eng., 158k mi., orig. owner, excel. running cond., $500. Nick, 399-4324.

73 DODGE CORONET - 318 cu. in., 8-cyl., p/s, p/b, 79k mi., orig. owner, 4-dr., 2 new tires, good cond., $1,200. Ext. 7795 or 589-8331.

60 CHEVY IMPALA - 4-dr., 283 cu. in., w/4bbl, a/t, v.g. cond., all original. Frank, Ext. 3120.

55 AUSTIN CAMBRIDGE - ideal for restoration project, engine out but seems to be complete, $600. Jack, 281-2382.

ENGINE - Chevy 400 w/400 trans., high mileage, runs smoothly, in '75 Impala wagon, buyer takes all, driveable, $500. Ron, Ext. 4553.

89 JEEP CHEROKEE 4x4 - red, 4-dr., a/t, ac, roof racks, more, ext. warr. 7/70, mint cond., $14,500. Luke, 928-9136.

88 LINCOLN TOWN CAR - navy blue, vinyl top, leather int., very low mi., excel. cond., $13,995. Ext. 3805 or 981-5993.

88 MUSTANG GT - all options except moonroof, garaged, alarm, excel. cond., $7,500. Ext. 2981.

88 CHRYSLER CONVERTIBLE LE BARON - all options, ext. warr., leather, 56k mi., $8,888. 924-7593 eves.

88 VOLKSWAGEN FOX - ac, 4-spd., Blaupunkt stereo cass., 26k mi., orig. owner, excel. cond., Bob, 654-3989 after 6 p.m.

87 CHEVY BLAZER - 4wd, blue, 51k mi., ac, excel. cond., asking $9,000. 929-4962.

Boats & Marine Supplies

29′ SOVEREL SLOOP - c/b, 3′ draft, electonics, new sails, FWC ib. engine, fully equipped, excel. cond., asking $15,000. Polk, 475-8971.

21′ INVADER CUDDY - 1984, 120-h.p. Volvo i/o, freshwater cooled, asking $6,200. Ext. 2788.

17′ O'DAY DAYSAILER - 4-h.p. Evin., trailer, good cond., ask. $1,500. Dick, Ext. 2881 or 286-3372.

MISC. SUPPLIES - parts for boaters, cradle, 6-gal. gas tank, fenders, shower, refrig., battery case, etc. Bernie, Ext. 4842.

MOTOR - 1986, 9.9-h.p. Evinrude, short-shaft, w/6-gal. gas tank & hose, excel. cond., $650. Sorin, Ext. 2765.

Furnishings & Appliances

COUCH - v.g. cond., best offer. Ext. 2610 or 924-5272 after 3/26.

COUCH - gray velour-like material, 6½′, good for den or playroom, soft & comfortable, asking $65. Janice or Jean, 929-4522.

HUTCH - Colonial, 72″, table w/2 leaves, 4 captain's chairs, asking $500. 929-4962.

KITCHEN BAR STOOLS - 2, w/cane backs & upholstered seats, brewer style. Bob, 821-1769 after 6:30 p.m.

NIGHT TABLES - 2, dark wood, traditional, good cond., $50/pair. Karen, Ext. 4262.

OVEN - Caloric, deluxe, natural gas, self-cleaning, electric ignition, $50. Wegner, Ext. 4581.

REFRIGERATOR - Amana, 14 cu. ft., $35; Pine Factory furn., conv. couch, 2 chairs, coffee & end table, orig. $1,500, asking $300. Gene, Ext. 5293.

REFRIGERATOR - White-Westinghouse, Tudor freezer on top, 2 yrs. old, used 7 mo., $300 firm. 588-4047.

SOFA SLEEPER - & loveseat, beautiful beige & mauve, excel., $450. Ext. 3192.

SPIRAL STAIRCASE - strong, metal, new, $125. Ext. 3082.

STEREO CABINET - wood-sided, glass top & door, 2 yrs. old, excel. cond. Donna, Ext. 3711.

WASHER/DRYER - Sears, portable, 10 yrs. old, $140/pair; GE Carosel II microwave oven, 6 yrs. old, 1.4 cu. ft., 700 watts, $120. Mark, 744-5851.

WASHER - Sears model #28731, heavy-duty, white, 1½ yrs. old, new, still under manufacturer's warranty, $300. Joanne, Ext. 3711.

WASHING MACHINE - GE, large capacity, brand-new, used once, $150. Robert, 928-6368.

Tools, House & Garden

GENERATOR - Niagara, 4kW, used 4 hrs., $325. Bill, Ext. 2047 or 472-4684 after 6 p.m.

KEROSENE HEATER - Sears Kenmore, 12.500 Btu/hr., 1.6 gal. tank capacity, $75; Codep ceiling fans, w/light fixtures, $65/ea. Bettie, Ext. 3046.

LAWN MOWERS - Snapper, 3½ h.p., recond., $125; Jacobsen, 3½ h.p., super-bagger, new blade, recond., $150. Dan, Ext. 4987 nights or 698-7322.

POOL PUMP - & filter, ¾ h.p., self-priming w/rapid-rate sand filter, for AG pool, $50. George, Ext. 4769.

SNOW BLOWER - Briggs & Stratton 5 h.p. eng., heavy-duty, all steel, works well, $40. Gene, Ext. 5293.

TOPSOIL - fine, screened, 3-yard minimum delivered; Honda Generator 5000, electric start, brand-new, $1,800. 696-6011.

TREE - blue spruce, you dig. Susan, Ext. 5149.

TREES - white pines, American Arborvitae, spruces, up to 4′ high, $2/per ft. John, 744-5867.

Sports, Hobbies & Pets

BIKE - 58cm Cannondale SR500, Shimano 105, computer, helmet, Zefel pump, water bottles, handlebar bag, $300. Bill, Ext. 2377 or 698-1971.

BUMPER POOL TABLE - dark wood, flips over for card table, excel. cond., asking $150. 369-2716 after 6 p.m.

FINCHES - pair, 1 white-tan wings, 1 beige-tan, round coppertone cage, $75. Kelly, 744-3069.

R/C VW BEETLE - w/Futaba radio, Kyosho charger, batt., case, extras, v.g. cond., asking $125. Mike, Ext. 2201.

TREADMILL - Sears 2100, full electronics, auto incline, ¾ h.p., 3 mo. old, $300 firm. Tom, 736-6691.

WET SUIT - Balem, Farmer John, black, plush, knee pads, knife pocket, size 5′8″, 140 lbs., excel. cond., $120. Bob, Ext. 5897.

Audio, Video & Computer

COMPUTER TABLE - $15. Fred, Ext. 3848.

PRINTER - daisy wheel, Transtar, Diablo coded C Itoh F-10, 40 cps, ribbons, daisy wheels, Kaypro-II computer, $600/all. 363-6787.

TV - Pro Screen, NEC stereo, 3 yrs. old, excel. cond., $1,400. Jeff, Ext. 5262.

TV - Sears solid state, 25″, $250; cocktail table, $50, both in excel. cond. John, Ext. 5385.

VCR & CAMERA - RCA CK031 color video camera w/RCA VGP170 VHS cassette recorder, carrying case, manuals, etc. $600. Ed, Ext. 4645.

Miscellaneous

EASTER BUNNIES - cages & equipment, reasonable. Lisa, 286-1060.

COAT - dark blue, wool w/leather trim, size 10, $50. Gail, 286-3863 eves.

FUR JACKET - pearl mink, fully let out male skins, worn twice, orig. $280, asking $150. John, Ext. 7039 or 929-4450.

GOWNS - perfect for proms or weddings, assorted colors, good cond. Heidi, 281-7873 days.

SHIP PLATE - collector's, $35; new songbird book, $20; mirror for bureau, $50; 2 shoe racks, $5/ea.; firewood, $60. Kathy, 744-2203.

FORMALS - tea-length, Eve of Milady, sweetheart neckline, velvet bodice w/sequins, taffata, never worn, emerald, sizes 7 & 10, $125. 543-4820.

WATCH - Baume & Mercier, 18k gold band, diamond besel, quartz, orig. $3,200, asking $1,800. John, Ext. 7039 or 929-4450.

Free

FREEZER - large, you pick up, A. Snyder, 284-6179 or 744-6648 eves.

KITTEN - healthy, orange female, rambunctious, act quickly before parakeet has heart attack. Ellen, 874-3704.

Lost & Found

LOST - watch, March 12, gym locker room or Center; means more than just the time of day. Biays, Ext. 2946.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed, sex or national origin of the applicant.

For Rent

MATTITUCK - 1-bdrm. apt., large l/r & closets, full bath, kitchenette, sep. ent., quiet wooded area, near water, nonsmoker, $450/mo. Ext. 7657 or 298-9560.

MATTITUCK - 3-bdrm. house, 1½ baths, l/r-d/r w/2 bay windows, sun deck, w/w, drapes, all appl., on ¾ acre, 2 blocks to town, $850/mo. + util., avail. May 1. Ext. 5161 or 298-2166.

N. BAYSHORE - 2 bdrm., l/r, eik, d/r, w/w, den, semi-furn., 1½ baths, more, single, working, nonsmoking adult, no children/pets, $450/mo. + ½ util. Walt, Ext. 2907, 698-0576 or 231-6017.

PATCHOGUE VILLAGE - 1-bdrm. apt., new, full bath, furnished or unfurnished, kitchen, use of fenced-in yard, cable, phone jacks, quiet neighborhood. 289-7902 or Ext. 4087.

SHIRLEY - 2-bdrm. apt., l/r, eik, full bath, priv. ent., walk to beach, near all, $750/mo. includes all, sec. & refs. 15 min. to Lab. Lorraine, 281-1658.

SMITHTOWN - 3 bdrm., l/r, d/r, eik, den, 2 baths, full bsmt., gar., gas heat, $1,000/mo. + util. Bawa, Ext. 3499 or 331-8128.

SOUND BEACH - 1-bdrm. apt., full bath, kitchen-l/r combo, cable, priv. ent., $600/mo. incl. all; also, 2-bdrm. apt., bath, l/r, eik, near all, $675/mo. + elec. Ext. 2671 or 744-3284 after 4 p.m.

SOUND BEACH - 2-bdrm. house, large l/r, full kitchen, full bath, walk to beach, Miller Place SD, $700/mo. + util. 744-1240 days or 744-5278 eves.

For Sale

BAY SHORE - 3-bdrm. ranch, 1 bath, gar., full bsmt., low taxes, tree-lined street, close to shopping, LIE, $110,000, neg. 924-7593.

BROOKHAVEN HAMLET - 4-bdrm. Cape Cod, 2 baths, d/r, l/r, eik, 2-car gar., 20′ deck, patio, more, close to bay, ¾ acre, red. to $219,000. Vera, Ext. 7108, or Carl, 214-708-2058.

CENTEREACH - 4-bdrm. hi-ranch, l/r, d/r, eik, 2 full baths, large fam. rm. w/fp, deck, large fenced yard, $131,900. 698-8514.

CORAM - Strathmore East, 4-bdrm. ranch, 2 baths, cathedral l/r, 2-car gar., gas heat, fenced corner lot, $120,000. Ext. 3791 or 928-7154.

EAST MARION - beautiful 1 acre bldg. lot, adjacent to Greenbelt, walk to Sound. 325-0447.

EAST NORTHPORT - 3 bdrm., 1½ baths, fam. rm., l/r, new Euro kitchen, full fin. bsmt., ½ acre, ask. $175,900. Ext. 5279 or 549-5802 eves.

MIDDLE ISLAND - Coventry Manor, 3-bdrm. townhouse, 2 baths, kit., l/r, d/r, laundry, cac, 5 appl., encl. patio, pool, tennis, carpets, ask. $99,000. Rosalie, Ext. 3160 or 289-5704 eves.

MILLER PLACE - 1-bdrm. co-op, 2nd floor, new appl., new windows, & insul., walk to shopping, quiet area. 744-2493.

RIDGE - 2-bdrm. house in adult community Leisure Knoll, ac, newly carpeted & decorated, walking distance to rec. hall, pool, tennis, lots of extras, 5 mi. to Lab, $135,000. 744-3366.

RIDGE - Leisure Knolls, 1-bdrm. duplex, all appl., walk to clubhouse, tennis, low taxes, immed. occupancy, over 55 only, $89,000. Ext. 4589 or 475-8581 eves.

SHOREHAM - SWR SD, 3-bdrm. ranch, 5 min. from Lab., stone fp, den, l/r, d/r, 1¾ baths, atrium, storage rm., all appl., ig sprinklers, $149,500. Ext. 2853 or 744-7172.

SOUTHAMPTON - 2-bdrm., fp, cac, w/w, large deck, appli., near water, beach rights. 727-5161.

HUBBARDTON, VT - 38 deeded acres on town-maintained road, power & phone services, 30 min. to Killington ski area, views of Lake Bomosseen, ask. $35,000, neg. Tom, Ext. 2823.

Wanted

CAR COVER - for small car approx. 13′ long. 765-1299.

FISH TANKS - used, 30 gal. w/other aquarium equipment. Mike or Kathy, 929-8443 eves.

HOUSEMATE - to share house, furn. or unfurn., clean, quiet, newly renovated, w/d, cable, alarm system, fenced yard, 10 min. to BNL, $350/mo. or $90/wk, all util. incl. 399-6947.

NORDIC TRAC EXERCISER - reasonable. Carol, Ext. 3325/3315 or 472-3332 eve.

PARENT-TODDLER GROUP - meet every Wed., 9:30-11:30 a.m. in Rec. Bldg., all welcome, esp. w/young children. Terry George, Ext. 3009.

ROCKING CHAIR - in good cond., wooden & reasonable. 821-6252, leave message.

SURF BOARD - small, for beginner, reasonable. Ryan, 878-1178.

STEAM RADIATOR - cast iron. 751-2867.

TUBED AUDIO COMPONENTS - by Macintosh, Marantz, Western Electric, REL, etc., also Collins 32S3 & Station Control. Jim, Ext. 4584.

In Appreciation

My sincerest appreciation for the thoughtfulness of support, comfort and prayers from all my friends and coworkers on the loss of my mother. Thank you all so much. — Bettie Sylvester.

Thanks to Mr "X"/Family "X" for the donation of toys. — Parent-Toddler Group

Ads left out of this issue due to lack of space need not be resubmitted to appear in the next issue.