

# BROOKHAVEN BULLETIN

Volume 33 - Number 13 / March 30, 1979  
BROOKHAVEN NATIONAL LABORATORY

## Pegram Lectures Conclude Tonight



Nobel Laureate Sir Peter Medawar talks to members of the audience after his first Pegram lecture on Wednesday evening. Earlier, he discussed "The Philosophy of Prediction Illustrated From Medical Science." Medawar maintained that formal predictions are deduced from present knowledge, and add no new information to the assumptions from which they start. "Foreknowledge is bunk," he stated, "ideas cannot be predicted." Medawar concluded by advising anyone asked to predict what, for instance, it might be like in 1999, "don't!"

His second lecture, more technical in nature, was "The Story of Tumor Immunity." He returns tonight to address the question, "Is Human Understanding Finite?" The lecture is at 8 p.m. in Berkner Hall.

—photo by Humphrey

## Symposium Held At Lab



Melvin Month (left), BNL, L.J. Laslett (center), Lawrence Berkeley Lab, and J. Moser (right), NYU, confer after a session of the First International Symposium on Nonlinear Dynamics and the Beam-Beam Interaction. The Symposium reviewed the nonlinear dynamics associated with modern high energy accelerators and storage rings. Moser spoke on "Ordered and Random Motion" and Laslett served as a session chairman. Month, a physicist with Project ISABELLE, chaired the symposium. Participants from a dozen institutions from the U.S. and Europe attended the meeting at the Lab from March 19-21.

## Student Science Writers Gather Material



Ten science writers from the Columbia University Graduate School of Journalism visited Brookhaven on March 26-27 to learn about the Laboratory's research program through informal lectures on the major facilities, and to spend several hours in certain laboratories. Above, at the radiopharmaceutical lab, Suresh Srivastava explains to some of the students how his group makes use of short-lived radionuclides for diagnostic applications in the nuclear medicine program. Other students visited the neutron activation lab at the Chemistry Department, and PETT III and the whole body counter at Medical.

—photo by Humphrey

## Director Comments On News Report

Last week, a lengthy article concerning Brookhaven appeared in five Long Island weekly newspapers — *The Long Island Advance*, *The Hampton Chronicle-News*, *The Suffolk Times*, *The Southampton Press* and *News Review of Riverhead*. Concerned about the implications contained in the article, Laboratory Director George Vineyard has sent the following response to the editors of these newspapers. (Two of the papers carried a shorter article and appropriate paragraphs were omitted in the letter to those papers). In addition, a more detailed statement of the Laboratory's environmental policies and practices has been prepared by the Division of Safety and Environmental Protection. Anyone interested in obtaining a copy of this statement may do so by calling Ext. 2345.

The article by Karl Grossman on the environmental effects and safety of Brookhaven National Laboratory's operations, published March 22, seriously misleads the public. Among the many erroneous implications of the article, I point out the following as examples:

The article characterizes the radioactive levels of the water in the upper reaches of the Peconic River as the second highest near-nuclear-related facilities in New York State. However, the article does not make clear to the public that, whatever their ranking, these levels are exceedingly low, so low that the water satisfies, by a large margin, the Environmental Protection Agency's standards for radioactivity in drinking water. For other reasons it happens that Peconic water is not used for drinking, but the point is that Brookhaven's effect on the river does not pose a health threat to anyone.

The article repeats an old story that the level of radioactivity in milk from a dairy near the Laboratory was found to be higher than that in milk from a more distant dairy. But the article neglects to report that the New York State Department of Environmental Conservation examined the matter and concluded, as had we, that the higher level had nothing whatsoever to do with the Laboratory.

The article cites a letter from the EPA purportedly asserting that a loss of coolant accident at Brookhaven High Flux Beam Reactor could lead to a "meltdown" and "China Syndrome." In fact, the EPA letter

did not assert this and made no mention of either a meltdown or a China Syndrome. These are not credible events at this reactor. The reactor is, of course, subjected regularly to searching reviews to insure that it remains clean and safe.

The article gives much play to the sensational allegations of Ernest Sternglass on health impacts of minute amounts of radiation. It does not point out that many independent studies by prominent scientists over the world, including a Committee under the National Academy of Sciences, have decisively rejected both Sternglass' methods and his conclusions.

It is not possible to respond to all of Mr. Grossman's misleading statements in the space of this letter. His article contains little new information, but rehashes questions which already have been scrutinized many times and have been resolved to the satisfaction of the local, state, and federal bodies that set standards and hold the authority to stop any operations detrimental to public health or safety. The Environmental Impact Statement for the Laboratory, the source of many of the article's "revelations," was reviewed by these same bodies. It was published by the Federal Government in July, 1977, and is available for reading in the Laboratory's Public Relations Office, or may be purchased by anyone for a small fee. Since its founding, the Laboratory has issued frequent reports on the environmental effects of its activities and distributes the reports widely.

Brookhaven's policy is to control its operations so as to stay, not only below officially permitted levels for all discharges to the environment, but as far below those levels as we can. Obviously our staff members share with the other residents of Long Island the desire to maintain the quality of our common environment. The Laboratory works in an open manner, and it has been and continues to be our policy to make our safety officials available to answer questions from the public or to speak before local groups in order to provide full information on the environmental effects and the safety of our operations.

## Calling All Kitists!

Kite flyers of all ages are invited to demonstrate their kites and their expertise at a kite flying contest on Sunday, April 29 at the Laboratory.

The contest is a feature of BNL's "Energy Option Expo" a two-day event open to the public on Saturday, April 28 and Sunday, April 29, which will focus on how Long Islanders can cope with rapidly dwindling and increasingly expensive energy supplies.

More information on the Expo will appear in later issues of the *Bulletin*, and this advance notice is being given so that kite flyers may have time to prepare their kites and practice for the big event.

Contest categories are:

**Highest Flier** — Contestants will take an assigned position on the field. All kites will be launched at the signal, and at the end of three minutes, the highest kite will be declared the winner. Two prizes will be awarded in this category — one for contestants age 12 and under, and one for contestants 13 and over.

**Smallest Kite** — Contestants will bring their kites before the judge for inspection. Each kite must fly out 25 feet of line to qualify.

**Biggest Kite** — These kites must attain an altitude of 75 feet within a five minute time period. Unlimited running space is allowed. Limited to three persons per kite.

**Most Beautiful Kite** — Open to homemade kites only. The emphasis will be on decorative qualities, but the kites must also fly.

**The Energy Special** — Open to homemade kites only. The winner will be the kite of the most innovative design representing energy conservation and/or alternative energy sources.

The winner in each category will receive a prize from the BNL Exhibit Center's sci-

ence store. A "kite hospital," equipped with tissue paper, tape and string, will be set up to aid contestants who encounter last-minute disasters.

It will not be necessary for contestants to pre-register. They should arrive at the Lab by 10 a.m. on Sunday and go directly to the field behind Berkner Hall to sign up for the contest.

## BNL Hosts Health Fair

Free health screenings will be available at Brookhaven on Tuesday and Wednesday, April 3 and 4, as part of the week-long "I'm OK Health Fair" program sponsored throughout the metropolitan area by WNBC-TV, the American Red Cross, and the National Health Screening Council.

BNL's Health Fair will be located in the Brookhaven Center, from 10 a.m. to 5 p.m. each day. It will be open to all individuals over the age of 18, and no appointment will be necessary. Eligible members of employees' families may wish to avail themselves of this free health service. The screenings will be conducted by staff members from the South Brookhaven Health Center and Brookhaven Memorial Hospital.

BNL will be the only Health Fair site in Suffolk County where screenings for breast and uterine cancer will be offered. Also offered will be tests for high blood pressure, visual acuity, height and weight, anemia, sickle cell anemia, and hearing defects.

Free referral service and preventive health counseling, including individual instruction in breast self-examination, will also be available.

In addition to the free tests, optional blood tests for a variety of disorders will be offered for a nominal charge of \$5 to \$7.

For more information on the Health Fair, call the Public Relations Office, Ext. 2345.



John Svandrlik at Winter Park, Colorado

## Svandrlik Places In Ski Meet

John Svandrlik, a technician with the Corrosion Science Group in DNE, lost his left leg in Vietnam in 1967. Earlier this month he placed second in the giant slalom B-class of the 8th National Handicap Ski Championships at Winter Park, Colorado. John was among 250 competitors from the U.S. and Canada.

While to the uninitiated this seems an incredible accomplishment, Svandrlik says it isn't as difficult as it might seem. In fact, while it took him several months to learn to walk again, he felt able to enter the ski races after only 25 days on the slopes. He took up this sport a year ago after repeated urging by a friend of his — double amputee who had been an accomplished skier before being hit in Vietnam, and who skis now. "I was hooked the first day out," says Svandrlik, "and I only wish I had started sooner. Because I can't run, being able to speed on skis is a big joy."

Svandrlik skis on one leg and uses a crutch with ski tips called an outrigger. He had never skied before he was wounded so the whole experience was a challenge. "Actually," he says, "it's easier to ski on one leg than on two. There is no problem about getting your skis crossed. And amputees acquire a better sense of balance than the average person." Generally, he says, handicapped skiers progress more rapidly than regular skiers from the beginner's level to the advanced classes.

## Stony Brook Events

**Saturday, March 31**

**Theatre:** "Pippin," tonight through April 1, Theatre II, Fine Arts Center. Donations. Call 246-5678 for more information.

**Concert:** Yale Russian Chorus, 8 p.m., Recital Hall, Fine Arts Center. Tickets: \$5.50 for general public. For further details call 246-5678.

**Craft Workshop:** Ukrainian Easter Egg Dyeing, 10 a.m. - 4 p.m., 141 Old Chemistry. \$35 includes materials; registration necessary. Call 246-6559 for information.

**Monday, April 2**

**Speaker:** Smithtown News Publisher Bernard Paley, on journalism, 7:30 p.m., 058 Stony Brook Union.

**Tuesday, April 3**

**Film:** "The Harder They Come," 8 and 10:15 p.m., Stony Brook Union Auditorium. For ticket information call 246-3641.

**Wednesday, April 4**

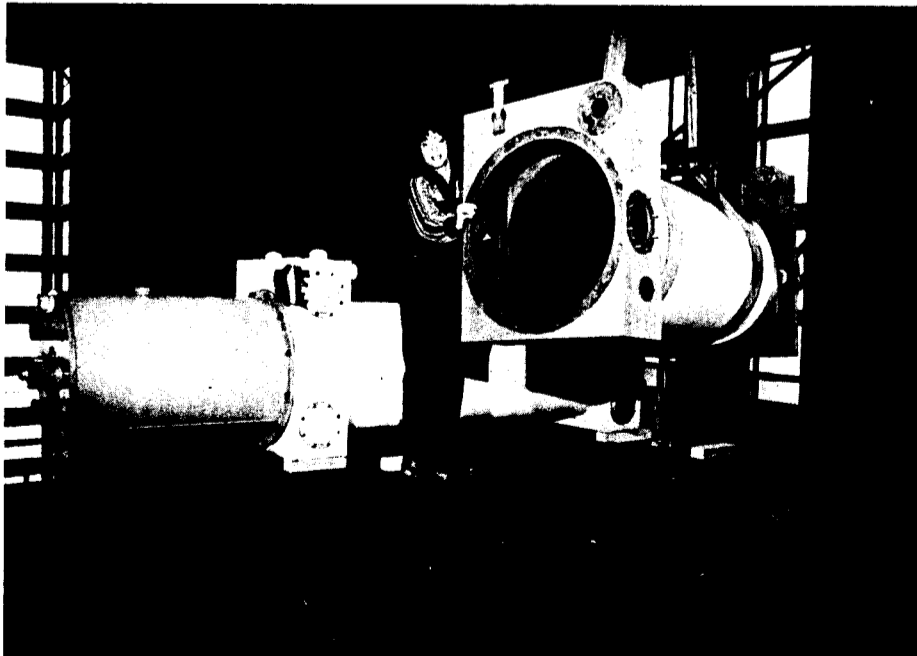
**Speakers:** Psychotherapists Mara Gleckel and Murial Goldfarb, "Older Women Coping with Loss," 7 p.m., Health Sciences Center Lecture Hall 2. Call 444-2989 for information. Registration necessary.

John belongs to the New England Handicapped Sportsmen's Association, Mt. Sunapee, N.H., which is devoted to providing instruction and equipment to the handicapped in skiing and other sports such as horseback riding and water skiing. The people participating are not only those who have suffered the loss of a limb, but also the blind who ski with the help of a guide.

Although he now owns his own equipment, which is expensive, John says that for those who can't afford to pay, the equipment is free at Mt. Sunapee and there is no charge for lift tickets. He has also found that in other skiing areas, lift tickets for the handicapped are either free or the charges reduced.

Svandrlik has found that skiing has added a dimension to his life that he no longer thought was possible, and he is anxious to encourage others who have suffered traumas similar to his to participate in the sport. Those who are interested should contact him on Ext. 4425. He will be happy to share his experience with them and show them where to begin.

## Saving The Past For The Future



Janet Hoefling (Exhibit Center Manager) is hanging on to two magnet housings (one dipole and one quadrupole) which were early prototypes for ISABELLE. They are now located on the top floor of the Exhibit Center, and they are the kind of historical artifacts that Janet wants to hang on to. Some of the items that perceptive staff members have sent her way are the 30" Bubble Chamber, the last remaining chunk of the Cosmotron, and parts of the BGR control panel that were retrieved from the garbage can ten years ago. She feels that "it is part of my job to collect items that the public can look at and touch to put the research done here in perspective." She urges anyone who thinks they may have equipment or tools that are historically significant to contact her on extension 2400, and she will check them out. What you are about to throw away might become part of history.

—photo by Reben

## In Memoriam

William R. Vogel, Technical Associate at DNE, died Wednesday, March 21, at the age of 54. He came to the Laboratory on September 15, 1947 and, for many years, was associated with the Reactor Division. Most recently he had been active with the Nuclear Waste Management Research Group of DNE. He was primarily responsible for the operation of the gamma radiation facility and participated in the analysis of radioactive barrels retrieved from the ocean. Vogel, was a resident of East Islip, and is survived by his wife Grace, two sons, Robert and Richard who is employed at S&EP.

## Brookhaven Bridge

The Brookhaven International Bridge Club (BIBC) announces a duplicate Bridge tournament on Thursday, April 19 at the Brookhaven Center. The tournament is open to all BNL employees and friends. However, ACBL members with more than twenty points are discouraged from this competition. Admission fee is \$1.

BIBC has bought 36 new boards and cards. Regular games are held every Thursday at 7:15 p.m. Also, there is an improvement session at 6:15 p.m. for those who want to discuss the finer aspects of duplicate bridge. For further information call Bharat Bhatt (2966) or Colin Durston (2598).

Winning partnerships to date include:

Claudio and Maria Pellegrini (Accel)  
Dibyendu Banerjee (Med) and Nancy Nagy (Pers)  
Ash Agrawal and Greg Van Tuyle (DNE)  
Dibyendu Banerjee (Med) and Sachi Dhar (Phys)  
Tom and Bev Radus (Chem)  
Bharat Bhatt (DEE) and Haresh Goradia (DNE)  
Greg Van Tuyle and Brij Vyas (DNE)  
Bharat Bhatt (DEE) and Debu Majumdar (DNE)

## Arrivals & Departures

### Arrivals

Sebastian A. Dimaiuta.....Accelerator  
Denis Donahue.....Accelerator  
Florence T. Dunne.....Physics  
Anthony C. Finocchio.....Accelerator  
Gordon E. James.....Accelerator  
James L. Jellett.....Accelerator  
Thomas J. Lesniak.....Accelerator  
Stephen B. Minton.....Medical  
Philippe A. Ouvrard.....Plant Engrg.  
Tsuneo Tanzawa.....Energy & Env.  
Gwendolyn A. Weaver.....Energy & Env.  
Edward G. Weigand.....Accelerator  
Lawrence M. Welcome.....Accelerator

### Departures

Paula A. Coveney.....Energy & Env.

## Retiring Today



Gustave W. Formhals, a rigging supervisor in Plant Engineering, retires this month. He began as a laborer at the Lab in 1948. Formhals and his wife reside in Manorville and have no plans to relocate. He is interested in camping and fishing and each year takes a vacation to Florida where he purchases shells for shellcrafting, his hobby for many years.

—photo by Rosen

Josephine Jackson retires after 17 years service at the end of this month. She is a Supply & Materiel Clerk and her duties include maintaining the property management records for all excess and disposal of BNL property. Born in Brooklyn, Josephine has spent most of her life on Long Island and will remain in Mastic after she retires. Her hobbies include gardening, gourmet cooking and crocheting.

## Women's Group Meets

BNL Scientific and Professional Women's group will be meeting on April 10, Tuesday, at 12 noon, at Berkner Hall, room C.

Harvey Thomas will speak on "Women and Affirmative Action."

Coffee, tea and cookies will be available. Bring your own lunch.

## Hospitality News

A morning coffee will be held Monday, April 2, from 9:30 to 11:30 a.m., in the Brookhaven Center.

All wives of Laboratory employees are welcome. Please come and bring the children. Babysitting will be provided free of charge. It is suggested that you bring along a toy or two for your child to play with.

## Cafeteria Menu

### Week Ending April 6, 1979

#### Monday, April 2

Navy bean soup	(cup)	.30
	(bowl)	.40
Batter fried steak w/1 veg.		1.45
Franks and beans		1.10
Hot Deli - Pastrami	(on bread)	1.15
	(on roll)	1.25

#### Tuesday, April 3

Cheese chowder	(cup)	.40
	(bowl)	.50
Chopped steak w/1 veg.		1.45
Short ribs of beef w/1 veg.		1.45
Hot Deli - Knockwurst	(on bread)	1.15
	(on roll)	1.25

#### Wednesday, April 4

Minestrone soup	(cup)	.40
	(bowl)	.50
Homemade lasagne w/1 veg.		1.35
Fried rice and pork w/Chinese noodle		1.30
Hot Deli - Italian sausage and pepper hero		1.25

#### Thursday, April 5

Chicken rice soup	(cup)	.30
	(bowl)	.40
Beef liver and onions w/1 veg.		1.15
Southern fried chicken w/corn fritters		1.35
Hot Deli - Barbequed beef	(on bread)	1.15
	(on roll)	1.25

#### Friday, April 6

Manhattan clam chowder	(cup)	.40
	(bowl)	.50
Braised beef and vegetables w/mushrooms		1.45
Seafood cakes and spaghetti		1.10
Hot Deli - Smoked beef tongue	(on bread)	1.15
	(on roll)	1.25

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Published weekly  
for the employees of

BROOKHAVEN NATIONAL LABORATORY

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## Letters To The Editor

To the Editor:

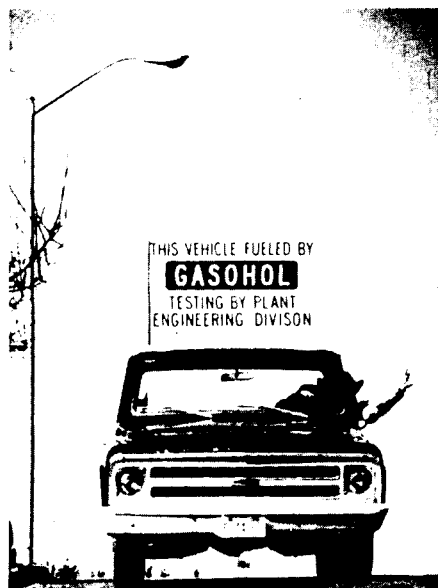
Last week's *Bulletin* contained an article in the Tune-In column concerning our health insurance program.

I have had medical expenses of many thousands of dollars for each of the past four years. Almost all of this has been paid by our insurance.

I would hate to think of the financial burden I would have had if I did not have this coverage. To say I am grateful is only a very small gesture to express my gratitude for the coverage given us by our employer.

—Harold W. Sauter

## Gasohol Put To The Test



The first BNL vehicle powered by gasohol begins its performance test this week. The truck will be test-driven by Plant Engineering under normal Lab driving conditions to determine whether the use of gasohol in all Lab vehicles is feasible. Although not popular, gasohol (a mixture of leaded gas and methyl alcohol) has been in use for many years and is currently available in some midwestern states. Other than a tune-up, no special modifications were made on the test truck so that it could burn gasohol — in fact, any vehicle which now runs on leaded gas can run on gasohol. In the past, economic conditions determined the availability and general use of the fuel; it is again being studied as a potentially less expensive alternate fuel source. The test program will also help determine the percentage of alcohol to gas which will yield optimum efficiency. The truck's first tankful of gasohol is 15% alcohol but depending on test results, that percentage is expected to be increased to 20 to 40%. Tests indicate that gasohol burns cleaner than gasoline, may increase gas mileage per gallon by about 5% and in bulk, may cost slightly less than the current price of gasoline.

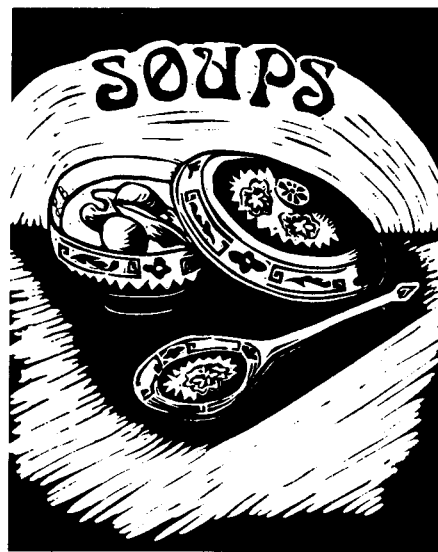
—photo by Humphrey

## Sample "Seasonings"

BERA is pleased to announce the publication of "Seasonings," a collection of recipes from the members of BNL's International Cooking Exchange. The cookbook is the third volume of recipes issued by the Exchange. It consists of over 240 recipes from 30 different countries. "Seasonings" is an amalgamation of nationalities, traditions and customs at the crossroads of good food and good fellowship. The cookbook, edited by Sandra Edwards and Elaine Lowenstein, is enhanced by a series of wood cuts by Lucy Burrows.

The International Cooking Exchange is open to Brookhaven employees and families, and was begun in 1962. It meets bi-monthly for cooking demonstrations at which members share their national recipes with each other. "Seasonings" — a compilation of recipes collected from 1971 to the present — is as diverse and varied in scope as the Cooking Exchange's membership has been over the years. "Seasonings" features international recipes for meat, poultry, breads, relishes, preserves and soups among others.

Copies of the cookbook will be available in the Cafeteria on Monday, April 2 and on Tuesday, April 3 during lunchtime. They will also be sold at Cooking Exchange meetings and at the BERA Sales Office. The price is \$3.50 per book. Blanche Laskee, Ext. 2873, can provide additional information.



Burma-Pumpkin Soup  
—Wendy Green

½ lb. raw shrimp  
(shell & devein)  
6 C. beef broth  
2 t. anchovy paste  
2 garlic cloves — minced  
2 onions, thinly sliced  
3 C. thinly sliced  
pumpkin or squash  
2 t. salt  
¼ t. dried ground  
chili peppers  
Chop shrimp. Combine with beef broth, anchovy paste, garlic and onions. Bring to a boil. Add pumpkin, salt and chili peppers. Cook over low heat 10 minutes. Serves 6-8.

## Volleyball

### Division A

On March 19, Nuts & Bolts bolted over the Nuclods: 12-15, 15-11, 15-11. Oceanography swam over the Diamonds: 15-13, 15-0, 15-5. No Names took all three from the Popovers: 15-8, 17-15, 15-9. Lookin' Good swept over Family Affair: 15-13, 16-14, 17-15.

### Standings

Oceanography	9-0
No Names	8-1
Nuts & Bolts	6-3
Nuclods	5-4
Lookin' Good	4-5
Diamonds	2-7
Family Affair	1-8
Popovers	1-8

### Division B

The Nads shone over the Wisa's: 15-10, 15-5, 5-15. Leftovers beat Medical: 15-10, 16-14, 15-4. Balls & Strikes over LeMufs: 15-4, 15-12, 16-14.

### Standings

Leftovers	8-1
Balls & Strikes	6-0
Nads	3-3
LeMufs	2-7
Medical	1-5
Wisa's	1-5

## Bowling

### Green League

The Old Timers II are still in first place as they took seven from the Trouble Shooters. The Blue Jays came up with a 3080 gross high team series to take eight from the Anachems. For the Blue Jays, M. Iarocci had a 209, L. Jacobson 213 and N. Parrinello 225. The Sparks bombed over the Pinball Wizards for eleven. W. Kristiansen had a 205. The Dyno-Mites lost eleven to the Designers. The Cosmos could only come up with three points with W. Rambo having a 205.

### Pink League

Definitely not one of the better nights for the Pink League. The No Names took 7 thanks to Ellie Kristiansen's 179/177/499 and Pat Jencius' consistent bowling (a 463 series). The Lickety Splits also took 7 and their thanks go to Mary Grace Meier for her 196/175/490 and Marie Grahn for her 180 game. The standings are: Lickety Splits, No Names, Pinsplitters and Blake's Bellyaches.

### Red League

A great night for the Designers, knocking down 3107 pins and taking 11 from the Dyno-Mites. E. Sperry (219-210) had a 601/694 series, A. Pinelli (221) grossed 630 and C. Cantera 624. This Isa Team bowled steady (3016 pins) and won 8-3 over the 76'ers. R. Barberich had a 225/621 gross, S. Kiss 220/602 gross, N. Greenlaw 629

### Employees' League

On March 21, Toga over Cool Tools: 21-15, 21-15, 3-21. Spikers took all three from Atom Spikers: 21-14, 21-10, 21-19. The Bumps bumped over Phoenix: 24-22, 21-18, 21-17.

### Standings

Bumps	20	4	.833
Spikers	17	7	.708
Toga	15	9	.625
Phoenix	9	12	.429
Cool Tools	6	18	.333
Atom Spikers	2	19	.105

## Golf

There will be an organizational meeting of the BNL Golf League next Friday, April 6, at 5:00 p.m. in the Recreation Building.

New and prospective members are invited to attend and find out about league activities. Light refreshments will be served.

Membership application forms will be available at the meeting. Please be prepared to pay the \$5.00 membership fee.

The absolute deadline for joining the league is Tuesday, April 10.

gross and E. Sperry IV 600. J. Morris (216) had a 600/648 series and M. McKenna 617 gross.

The Sandbaggers won 11-0 over the Old Timers. A. Dick grossed 640. E. Meier had a 219/605 gross, R. Jones 201/605 gross, R. Meier 601 gross and J. Roesler 604. The Freon Loaders won 8-3 over the Cosmos. J. Fortunato grossed 606. The Anachems only took 3 in a match with the Blue Jays. C. Bachsmith had a 631 gross series.

### Purple & White League

Ted Erickson rolled a 631 series with games of 201/200/230 for high game and series for the men. For the women, Caryl Mac Dougall had high game 211 and high series 547. The Drafts managed to stay in first place and the Portsiders Plus 1 and the Pacers are now tied for second.

Other good games were bowled by Marshall Bull 219/192/181-592 series, Jim Petro 178/200/202-580 series, Ed Sperry 226, Ed Meier 210, Jim Griffin 209, Ken Riker 205, Bob Brown 204, Ben Belligan 203, Ellie Murgatroyd 183, Gerri Riker 173/171.

### Gold League

The Fissions are in first place by 7 points followed very closely by the Personnelities. Our "star" bowler, Marsha Kipperman, did it again with a 181/165/209-555 series. Other good games were bowled by Ruth Cohen 152, Betty Jellett 192/157, Lyndora Boyd 146/152, Doris Pion 143 (39 pins over her average), Kay Hunt 157, Ginny Walker 146/148, Alice Trubisz 150.

## Aviation Club

Thirty-seven members and guests attended the March 14 meeting of the Aviation Club at Berkner Hall. Bob Heckman, Safety and Accident Prevention Specialist from the Federal Aviation Agency, was the guest speaker.

Heckman showed a film and slides on accident prevention and the cause and effects of vertigo. Several members were given the opportunity of experiencing the disorientation caused by vertigo by the use of a Barany (rotating) chair.

The next Club meeting is scheduled for Wednesday, April 11, at 6:00 p.m. in Berkner Hall, Room C. Don McGovern will describe glider flying (soaring). In addition to being a glider pilot, Don is a licensed private pilot and editor of "Flying Models" magazine.

Employees, families and friends are welcome to attend this and any of the Club's informative meetings.

## Table Tennis

The BNL Table Tennis Club will meet at noon on Monday, April 2, at Stage II, 26 Brookhaven Ave., to discuss the current ladder tournament and future plans. All members are requested to attend. Interested nonmembers may contact Charles (King) Zein, Jr., Ext. 3950, for details about the club.

## Classified Advertisements

### Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all nonscientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment, as indicated below. Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Personnel Placement Supervisor, Ext. 2882.

**OPEN RECRUITMENT:** Opportunity for present Laboratory employees and outside applicants.

945. MECHANICAL ENGINEERS (2 positions) - Requires BSME or equivalent with background in general machine design and high precision manufacturing processes. Knowledge of cryogenic technology or vacuum technology desirable. Accelerator Department, ISABELLE Project.

946. MECHANICAL ENGINEERS (2 positions) - Requires BS/MSME or equivalent capabilities with background in stress analysis, heat transfer and computer analysis. Knowledge of cryogenic technology desirable. Accelerator Department, ISABELLE Project.

947. MECHANICAL ENGINEER - Requires BSME or equivalent capabilities with experience in general machine design and manufacturing processes and a strong background in stress analysis and heat transfer. Knowledge of vacuum technology and hydraulics is desirable. Accelerator Department.

948. ELECTRONIC TECHNICIAN - Requires AAS degree or equivalent capabilities in electronics with a good background in pulse circuits, analog and digital controls, and high voltage and/or high current power supplies. Should be skilled at troubleshooting of heavy electronic power supplies and associated controls. Accelerator Department.

949. ECONOMICS ASSOCIATE (2 positions) - Requires advanced training in energy systems analysis, engineering and economics. Will develop computer models to analyze costs and benefits of conservation energy systems. Department of Energy and Environment.

950. BIOLOGY ASSOCIATE - Require BS in chemistry or working knowledge of culture plating, spectrophotometry, column chromatography, and centrifugation. Will assume responsibility for independent lab experiments in enzyme biochemistry. Biology Department.

951. PATROL OFFICER - AAS in police science/criminal justice or equivalent capabilities. Familiarity with the operation of a security department. Excellent written and oral communications skills required. Must be willing to work shifts. Safety and Environmental Protection Division.

952. EXPERIMENTAL MACHINIST - Experienced all-round machinist for non-production work in research and development shop. Project assignments from raw material to final assembly, with demonstrated ability and imagination in all phases of machine shop work. Experience in job print interpretation, layout and machine set up required. Central Shops Division.

