

Thinking Ahead

I.I. Rabi, Nobel Laureate in Physics, scientific envoy, and an old friend of Brookhaven's, will discuss "Science and the Twenty-First Century" in the first AUI Distinguished Lecture of the year. His lecture, open to the public, will be given Thursday, April 7, at 8 p.m. in Berkner Hall.

During the last 50 years, he has been a participant in, and a keen observer of the consequences of, the myriad changes in science. In a *New Yorker* profile (October 13 & 20, 1975), one of the things Dr. Rabi discussed was the importance of physics to mankind, not in material benefits, but in



I.I. Rabi

opening up "new forms of thought." In part he said, "I think that physics should be the central study in all schools. I don't mean physics as it is usually taught - very badly, as a bunch of tricks - but, rather, an appreciation of what it means, and a feeling for it. I don't want to turn everybody into a scientist, but everybody has to be enough of a scientist to see the world in the light of science - to be able to see the world

as something that is tremendously important beyond himself, to be able to appreciate the human spirit that could discover these instruments to inquire and advance into its own nature. I rate this so highly that I have a feeling that with this education people would find something above their everyday lives, above their nationality, even above their religious affiliations, and find a basic unity in the spirit of man."

Because of his concern for the uses to which the advancements in science may be put, Dr. Rabi has long been aware of the necessity for an informed government, particularly at the top. He was one of the prime movers for the establishment of a science advisory committee that would work directly with the President, and for the creation of the position of Special Assistant to the President for Science and Technology. When the President's Science Advisory Committee was established, he was appointed a member and chairman (in 1957), and from 1961 continued as consultant-at-large.

He has also served on many other advisory committees, for example, to the Office of Defense Mobilization, the International Atomic Energy Agency, Arms Control and Disarmament Agency, and the United Nations.

Rabi was born in Austria in 1898 and brought up in Brooklyn. He received his B.S. in chemistry from Cornell and a Ph.D. in physics from Columbia University, after which he studied for two years in Europe. He returned to Columbia in 1929 as a lecturer and remained with the university throughout his academic career. He has been University Professor Emeritus since 1967.

Dr. Rabi proposed and was instrumental in developing CERN, the European research center. CERN was modeled on the Brookhaven/AUI concept, and is managed by a consortium of countries, rather than universities.

He has been a Trustee of Associated Universities, Inc. (AUI) since 1946, was President of AUI in 1961-62 and Chairman of the Board 1962-63.



SIGNING THE NEW CONTRACT between AUI and ERDA are (left) Gerald F. Tape, President of AUI, and Robert H. Bauer, Manager of ERDA's Chicago Operations Office. Among those attending the ceremony were David Schweller (standing), Manager of the Brookhaven Area Office, and Laboratory Director George Vineyard.

AUI & ERDA Renew Contract

At noon Tuesday, Gerald F. Tape, President of Associated Universities, Inc. (AUI), and Robert H. Bauer, Manager of ERDA's Chicago Operations Office, signed a five-and-one-half year contract on behalf of AUI and ERDA. The contract will run from July 1, 1977 to December 31, 1982.

The initial contract between the Atomic Energy Commission and AUI took effect January 1, 1947 and covered a term of four years. The contract was amended and extended over the years, and the contract signed Tuesday constitutes the eighth extension of the original term, and the 124th amendment to the original document. It is, perhaps, a sign of the times that a 29-page document has grown to 250 pages.

Since early February, the AUI and

ERDA negotiating teams have been working to produce a mutually agreeable contract before the expiration of the present contract on June 30. Acting for AUI were N. Peter Rathvon, Secretary of AUI, Chairman; Carl Amthor, AUI Vice-President; and Laboratory Associate Director Vincent O'Leary. On the ERDA team were David Schweller, Manager of ERDA's Brookhaven Area Office, Chairman; Marvin Laster, Legal Counsel; Joseph Frino, Chief, Administrative Branch; and Gregory Ogeka, also of the Administrative Branch.

The Laboratory's total operating, construction and equipment budget for the current fiscal year is estimated at \$107 million dollars.

Science And Society

The National Science Foundation has established 25 Public Service Residencies for scientists and engineers, and 25 Internships for students of science and engineering, in an experimental program to encourage their participation in public service science activities.

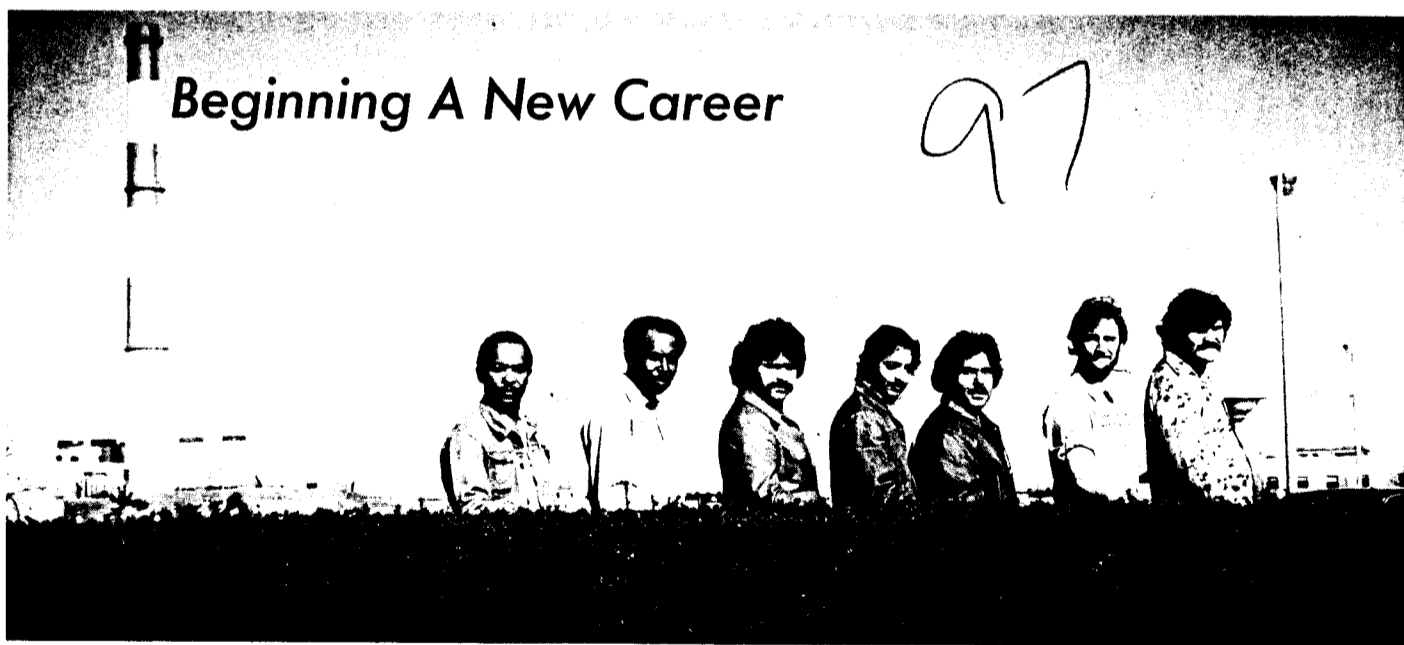
The focus of these activities will be on providing citizens with the scientific information needed to help them make rational decisions affecting their lives, as well as on matters of public policy.

Residents and interns will work with educational institutions, professional associations and societies, state and local government agencies, trade unions and citizens' organizations.

Residencies will be offered to persons with a doctorate in science, including engineering, mathematics, and the social sciences; will have one by the beginning of their tenure; or have acquired equivalent professional experience and qualifications. The term is normally for one year, full time, at a stipend of \$18,000 per year, or \$1,500 a month.

Internships will be offered to science majors enrolled in undergraduate and graduate level science programs, as above, who have completed at least three years of undergraduate studies by the time they begin their internships. Terms range between six and 12 months, full time, at a stipend of \$5,000 per year, or \$420 a month.

Application deadline is May 15, 1977; awards announced September 15, 1977. For information and applications, contact Office of Science and Society, National Science Foundation, Washington, D.C. 20550. Telephone 202, 282-7770.



Beginning A New Career

THE WINNERS: T. J. Reddick, Tom Johnson, Joe DiStefano, Pete Palamidis, Al Cordero, Brian McNally, Hermann Vargo.

On April 25, seven new apprentices will start a four-year program to become masters of a trade. The employees who were selected this week for the 1977 Craft Apprenticeship Training Program are: Alfred J. Cordero, Joseph A. DiStefano, Thomas Johnson, Brian McNally, Peter Palamidis, T. J. Reddick, Jr., and Hermann Vargo.

Alfred J. Cordero, who will apprentice to an electrician, joined the Laboratory three years ago as a custodian. He is currently a Material Handler in the Supply & Materiel Division. Born in Brooklyn, Cordero moved to the Island five years ago and graduated from Sachem High School. He also completed BOCES courses in welding.

Joseph DiStefano, will leave the Medical Department where he is a Veterinary Services Asst., and become a carpenter's apprentice. DiStefano also moved from

Brooklyn to the Island several years ago and joined the Laboratory in July 1974. Before that he worked in plumbing and also took a semester at Suffolk Community College in calculus.

Thomas Johnson is a Vietnam veteran who came to the Laboratory early last year. He is working as a custodian and will apprentice to an experimental machinist. Originally from Wilmington, Delaware, Johnson moved to Long Island in 1974. In addition to his Army experience, he was also once a sausage maker and made "good ones" too, he says.

Brian McNally has elected to learn the electrician's trade. He joined the Laboratory last fall as a custodian and has studied electronics at the Suffolk County Community College for the last two years. He plans to work towards a bachelor's degree. McNally was born in Brooklyn and has lived

in various parts of the country, taking photographs in Oregon and writing science fiction.

Peter Palamidis, at present a stock clerk in Supply & Materiel, will become a refrigeration and air conditioning apprentice. Palamidis, a Vietnam veteran, started out at the Laboratory five years ago as a custodian. He has attended Suffolk County Community College as a business administration major and has also completed BOCES air conditioning and refrigeration courses.

T. J. Reddick, Jr., will apprentice to a carpenter. (T. J. is his full name, not just initials.) Born in Florida, Reddick came to Long Island in 1961 and had various jobs before he came to Brookhaven two-and-a-half years ago. He began as a custodian and later transferred to the Accelerator De- (Continued on page 2)

Apprentices

(Continued)

partment as a technician. He has completed correspondence courses in math.

Hermann Vargo is a computer operator in the Applied Mathematics Department who will now start training as an experimental machinist. Vargo, a Long Islander, is also a veteran of Vietnam who got out in 1971, then returned to the Marines for another two-year hitch. He came to the Laboratory in January 1975.

The 1977 winners were selected from a field of 31 applicants. The Craft Apprenticeship Training Program now has nine graduates and nine apprentices currently in training.

The winners were selected by the Joint Apprenticeship Committee which is composed of three representatives of labor and three of management. Representing labor are Charles Geonie, Jr., President of the IBEW Local Union 2230, Joseph P. O'Reilly, plumber and member of the IBEW, and Stephen Gracia, experimental machinist and IBEW member. Acting for management are Edward C. Jackle, Staff Assistant in Central Shops, Max J. Rose, Supt. of Mechanical Utilities, and Alfred Mahlmann, Electrical Superintendent. At present, O'Reilly is chairman of the Committee, and Jackle, secretary.

Introduction To Chinese Painting



Cucumber

— Oi-wan Mark

Oi-wan Mark, a biologist and a painter from Hong Kong, will talk about Chinese painting and will display some of her work at the Hospitality Coffee, Tuesday, April 12, 9:30 to 11:30 a.m. at the Brookhaven Center.

She is the wife of Dr. Kai-keung Mark, head of the Biology Department at Hong Kong Chinese University, who is on a year's sabbatical at BNL.

Mrs. Mark started painting when she was

very young, and in 1971, began studying with Master Yan Shan-Shen, the leader of the Southern School of Art. As she explained, there are two main schools of Chinese painting — the Northern follows the traditional Chinese methods, the Southern has introduced western techniques into the old school. At the hospitality get-together, she will discuss the history of Chinese painting and the materials used in its composition.

Since her arrival on site last July, she has been eager to learn as much as she can about western culture and about the various techniques used here. Right now she finds macramé fascinating.

In Hong Kong, Mrs. Mark teaches biology in high school.

At the Hospitality Coffee, babysitting will be provided at no charge. It is suggested that mothers bring along a toy or two for their children to play with.



THE JOINT APPRENTICESHIP COMMITTEE meets to select the new apprentices: (from left) Edward Jackle, Alfred Mahlmann, Max J. Rose, Joseph O'Reilly, Charles Geonie, and Stephen Gracia.

Look Before You Leap

If you are about to buy a new car, or are looking for house, stop in at Staff Services first. This slight detour might save you money and a lot of headaches.

Look through the "New Car Cost Guide." This book is used when the Laboratory purchases cars but it is also available for employees to consult.

It gives a complete rundown of costs on all American cars, light trucks and foreign cars. This includes cost to the dealer, freight costs, and suggested retail costs, on both the vehicles and on optional equipment. Also listed is the standard equipment for all American makes.

The Laboratory has an informal agreement with a number of local car dealers whereby they will sell a car to Laboratory employees at \$100 to \$300 above cost to the dealer, plus a make ready charge. A list of such dealers is also available for consultation at Staff Services.

Even if you do not buy from these dealers, you will be in a much better bargaining position with others if you are educated as to real costs.

At the back of the Car Book is a listing of used car prices on American and foreign cars. The prices quoted are average wholesale prices obtained from auction sales throughout the country.

Joan Perullo in Staff Services, at 2 Center St., has custody of the book and will be glad to show it to you. Although you are free to take down whatever information you need, the pages may not be reproduced.

The Housing Office has a For Sale book and a For Rent book. Their listings include description of both furnished and unfurnished accommodations. They accept listings from any area on receipt of a signed form which affirms that the owner of the property accepts the Laboratory's housing policy. The listings are kept active for three months.

Retired



Stephen A. Palermo, General Supervisor, Supply & Materiel, retired last Friday, after 30 years with the Laboratory. He came to BNL as a Senior Clerk on March 24, 1947 and held numerous supervisory positions until he was appointed General Supervisor in August 1974. Palermo plans to spend his retirement in Boynton Beach, Florida. — photo by Rosen

Contact Needed

Several weeks ago, employees were asked to furnish Personnel Records with the name of a person or persons to be notified in the event of an emergency involving a Laboratory employee.

If you have not already done so, please complete the form and return to Personnel Records, Bldg. 185.

A supply of forms has been sent to your department office.

Acting For Affirmative Action

The following employees have been appointed to assist Department Chairmen and Division Heads in maintaining the Laboratory's Affirmative Action policy. Anyone with a suggestion or problem in this area should feel free to contact the appropriate representative:

Department/Division	Affirmative Action Representative(s)	Assistant Affirmative Action Representative(s)
Accelerator	John Grisoli	Gregory Bagley Ralph Brown
Administrative Systems	Joseph Weynand	
Applied Math	Arnold Peskin	Edwin Taylor
Applied Science	Augustus Prince	Carmen Benkovitz
Biology	John Olson	Sylvia Springhorn
Central Shops	Albert Velasco	
Chemistry	Carol Creutz	Mary German
Director's	Gail Williams	
Fiscal	Maurice DuBois	
Safety & Environmental Protection	Charles Flood	Robert L. Mosley
Instrumentation	Seymour Rankowitz	Barbara Gaer
Mechanical Engineering	Thomas Coyle	
Medical	Clare Shellabarger	Irving Montanez Marion LeFevre
Personnel	All Personnel Representatives are in effect Affirmative Action Representatives.	
Photography & Graphic Arts	Ella McLean	Doug Humphrey
Plant Engineering	Walter Milian	Ralph Boardman
Physics	Ronald Manning	
Purchasing	Rosalie Piccione	
Reactors	Dave Rorer	
Staff Services	Carlos Lamb	
Supply & Materiel	Michael Guacci	Woodrow Hobson
Technical Information	Marylin Galli	Marie Hicks

Inside Info

Nathaniel A. Greenhouse, Health Physicist in the Safety & Environmental Protection Division, will be a guest lecturer at the University of Arkansas at Pine Bluff, April 4-5. Greenhouse is a participant in the National Urban League's Black Executive Exchange Program which was created in 1969 to encourage and prepare black college students for business and professional career opportunities. Over 200 top black executives from around the country visit thirty black colleges each semester to share their expertise in courses developed by the Exchange Program.

Safety Shoe Closing

Shoe room will be closed the scheduled half-day Monday, April 11, 1977, and will be open all day Thursday, April 14, 1977.

"All problems are finally scientific problems." — George Bernard Shaw

"I am convinced that theoretical physics is actual philosophy." — Max Born



Leslie Weiss (left) Chairman of the Brookhaven Industrial Commission congratulates Vincent R. O'Leary, the Laboratory's Associate Director for Administration, on his appointment to the Commission. O'Leary is one of 16 commissioners appointed by the Brookhaven Town Board. The function of the Commission is to attract new industry to the area and to assist with associated problems. At right is Brookhaven Town Councilwoman Regina Seltzer and Councilman Robert Hughes.

—photo by Bob Klein

BROOKHAVEN BULLETIN

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Cooking Exchange

Are you trying to impress your mother-in-law? Coddle your boyfriend? Influence your rich uncle? Perhaps you're looking for a new way to say "I love you." Come to the Cooking Exchange on April 6 to see our collection of fancy desserts. Some are very easy to make, some are more complicated, all are magnificent!

That's Wednesday, April 6, in the Recreation Building at 12:30 p.m.

Speaking Locally In April

April 1 - Maxwell Small (DAS), Hampton Bays Civic Association, on **BNL's Water Recharge Program**.

April 15 - William R. Casey (S&EP), Calhoun High School Enrichment Program, on **Nuclear Power Plants**.

April 18 - Clifford Fredrickson (Director's Office), SUNY College of Engineering Graduate School, on **Computers and Our Right to Privacy**.

April 19 - John Usher (DAS), Kings Park High School Honors Chemistry Program, on **Nuclear Fusion**.

April 22 - S. Sethuraman (DAS), Sachem High School Panorama Week, on **Some Aspects of Air and Water Pollution**.

April 22 - Meyer Steinberg (DAS), Bellport High School Accelerated Science Students, on **Energy and Material Resources**.

Cafeteria Menu

Week Ending April 8, 1977

Monday, April 4	
Corn chowder	
Beef liver & 1 veg.	1.15
Scrambled eggs, sausages, fr. fr.	1.15
Hot deli - pastrami	
Tuesday, April 5	
Beef noodle soup	
Knackwurst & sauerkraut	1.10
Sauerbraten & potato pancake	1.35
Hot deli - veal pattie & peppers	
Wednesday, April 6	
Cream of potato soup	
Breast of lamb & 1 veg.	1.15
Hot deli - corned beef	
Davy Jones Fish Fry Special	
cup of soup, fish fry, pie or ice cream	
small beverage	\$1.87 plus tax
Thursday, April 7	
Chicken vegetable soup	
Cheese ravioli & 1 veg.	1.05
Roast chicken, stuffing, 1 veg.	1.15
Hot deli - Italian sausages & peppers	
Friday, April 8	
Fish chowder	
Spaghetti & clam sauce	1.05
Breaded pork chop & 1 veg.	1.35
Hot deli - smoked tongue	

Arrivals & Departures

Arrivals

Douglas M. Brenner	Chemistry
Michael F. Cardarelli	Plant Engrg.
Henry G. Syers	Applied Math.
Martha Tsien	Director's Office
Eugene F. Von Achen	Instrumentation

Departures

Robert L. Chase	Instrumentation
Walter F. Brooks	Physics
Richard Friedman	Medical

Sports News

Pool Schedule

Monday through Friday
11:30 a.m. to 1:30 p.m.
Employees only
5:00 p.m. to 9:30 p.m.
Employees/families/guests

Saturday and Sunday
1:00 p.m. to 6:00 p.m.
Employees/families/guests

Please make note of following schedule deviations on the dates specified: Tuesday, April 6 evening hours - 5:00 p.m. to 7:00 p.m.; Sunday, April 10 (Easter) - pool will be closed.

Guest Ruling:

Only one guest per adult BERA member may be admitted to the pool at any one time without prior arrangements. Adult BERA members may bring more than one but not more than five guests at any one time by making advance arrangements with the Recreation Representative in the Personnel Office.

Daily Entrance Fees:

Employee/family member	\$.75
Guest	1.00

Season Tickets

Present season tickets are valid until April 30. The new season will begin on Sunday, May 1, and will extend through August 31, 1977. Season tickets will go on sale at the pool on Monday, April 25. Ticket costs for this four-month season will be \$10/individual, \$20/family.

Runners' Corner

Four BNL runners competed in the Nassau County Marathon (formerly known as the Earth Day Marathon) on Sunday, March 20. Three of these four had never run a marathon (26.2 miles) before.

Ted Landry (DAS), who has rapidly become the Lab's best runner, ran an amazing 2 hrs. 40 min. 18 sec. (a Lab record) which qualifies him for the upcoming Boston Marathon. He placed 28th out of about a thousand participants.

Bill Kopp (DAS) also ran an excellent 3 hr. 18 min. 33 sec. followed closely by John Beerman (DAS) who bettered his N.Y. Marathon time by more than 10 minutes with an outstanding 3 hr. 27 min.

Naresh Bhagat (DAS) who entered at the last moment with only a minimum of training still ran about 20 miles before the cold wind, snow and rain produced muscle tightness causing him to drop out.

The veteran marathoners Bob Tucker (Phys Rev) and Gus Prince (DAS) recovering from leg and foot injuries had to sit this one out. However, they were on hand to hand out liquid refreshments and offer encouragement as the runners passed them on the two-loop course in Eisenhower Park.

Bob Bari (DAS) who has trained very hard and was ready had to pass up this marathon due to another obligation.

All in all this quartet of runners continues to prove that the Lab is rapidly producing more and more competitive runners, all who started out as "run for fun" joggers just to stay in shape.

Many have gone beyond this stage and are now competing on equal terms with some of the best in their class.

An example of this is Gus Prince who took first place in the six-mile run at the Midwest Master Regional Championship in Chicago in February.

Last week in the National Indoor Masters meet in Connecticut, he received silver and bronze medals for placing second and third in the two and four mile races. He also took fourth in the 1000-yard run with a time of 2:50, only 10 minutes after he finished the two-mile run.

The point to be made is that more and more people both male and female are beginning to realize the tremendous healthful benefits that come from running and jogging. Many have expressed the fact that they "never felt better" and they are "hooked."

Another cross country challenge race (3 miles) between the BNL Roadrunners and the Rocky Point Joggers will take place on April 9.

The race will be run on the same course as before at Rocky Point High School and will start at 9 a.m.

All interested runners should contact John Beerman, Ext. 4076, Jim Guppy, Ext. 2698, or Gus Prince, Ext. 2901.

Bowling

Purple & White League

3/17/77: The Flounders and the Odd Balls are tied for first place and only one point behind them are the Penthos.

High games for the men were bowled by Hank Henck 221, Joe Mayeski 213, and Tom Polistina 191.

Grace Schiro was high for the women with a 190. Nice games also by Betty Roche 181, Carolyn Eterno 181, and Nancy Mayeski 173.

Pink League

The Med Squad lost seven to the Fiscal Assets and are now tied with the Gutter Getters for first place. Marge Stoekel had a 200/162/511 scratch series and Alice Trubisz a 157.

Black & Blue League

The Quiet Ones continue to lead the league. High games for the night were Lew Jacobson 245/606, Ed Sperry 212, Dick Skelton 204, and Ellie Kristiansen 172. High gross pots were won by Lew Jacobson 271 and Ellie Kristiansen 217.

Red League

A great night for the Old Timers, knocking down 3139 pins including a 1108 game. R. Adams led the team to 11 points by games of 239/236/651 scratch and 723 gross pins to win his club awards. W. Reams had a 215 and J. Fontana 204. The Sandbaggers also took 11 led by R. Jones with a 248/613 scratch and 682 gross, also winning his club awards. C. Bohnenblusch helped out with a 224/583 scratch 668 gross, R. Meier with a 212, and E. Meier with a 200.

The Bubble Boys took 8 points with R. Barberich bowling 211 and J. Sauls a 201. For the cosmos, C. Neuls had a 200 and on the Anachems T. Prach had a 206/587 scratch 674 gross.

For the 76'ers R. Larsen bowled a 211/206/607 scratch, raising his average to 191. J. Petro had a 207 and J. Connelly a 201.

Green League

The Charley Browns moved into first place as they took eleven from the Pinball Wizards. For the winners, J. Scott had a 202 game. The Super Cools dropped to second as they only took three points. The Blue Jays took eight from the Trouble Shooters with A. White having a 204. The Got-A-Hit-Ums managed eight from the

Scotch Doubles

The Annual Scotch Doubles Bowling Tournament is set for Saturday, April 23, from 2 to 6 p.m. at the Port Jeff Bowl.

The Rules

1. A team will consist of two bowlers, one male and one female. At least one member of each team must be a BNL employee (per BERA definition).

2. The tournament will consist of four games per team. Each team will bowl a single score for each game with the team members alternating balls rolled. The first ball to start each game will be rolled by the female member of the team.

3. Bowlers in BNL Leagues this season use BNL averages as of March 31, 1977.

Bowlers not in BNL Leagues this season use highest current averages as of March 31, 1976.

Bowlers without current averages may use some earlier averages. (Check with Tournament Committee for applicable rules.)

Scotch Doubles Bowling Tournament Entry Application

Must be accompanied by \$10 (Non-Refundable Fee)
Make check payable to BNL Bowling Leagues

- Male Bowler (Name) BNL Employee
No average
Average is in League Spouse
at Lanes Guest
- Female Bowler (Name) BNL Employee
No average
Average is in League Spouse
at Lanes Guest

Received at BERA Office (Date) By

Assigned Team No. Saturday, April 23, 1977 - 2:00 - 6:00 p.m. - Port Jeff Bowl

Freon Loaders with L. Jacobson rolling a 217. The Sparks moved out of the cellar taking eleven with G. Spira having a 216. The Pick-Ups got bombed by the Old Timers.

In the Long Island Industrial Tournament, the BNL team bowled fairly well throwing four 200 games. A. White paced the team on the last night with a 595 scratch series and R. Larsen had a 559, but there wasn't any way to catch the tournament leaders. We'll have to try and recapture the trophy again next season.

Softball

The Softball Season will soon be here. It is now time to start getting your team together.

Everyone is welcome to come and join the fun. There are many teams looking to increase their rosters and we are hoping to see some new teams formed.

The Softball Committee has adopted some rule changes that are aimed at making the game more fun.

We will try to keep you informed as things develop.

Soccer

The top two teams ran into difficulty this past week against AGS and Physics; the latter two teams thus keep their hopes alive for becoming the League Champions.

Physics beat Stony Brook 3-2 in last week's opener; AGS edged MBC 1-0 on a goal by Farrel. DAS kept out of last place by tying Port Jeff 0-0.

The showdown between MBC and Stony Brook takes place today, as they meet for the last time this season. Including today's games, there are only three games left in the season. There will be exhibition games played on April 8 and April 15. Final League games are scheduled for April 22 and April 29.

League Standing: (including 3/25)

Team	W	L	T	Pts.
Med-Bio-Chem	6	3	3	15
Stony Brook	6	4	2	14
Physics	5	5	2	12
AGS	5	5	2	12
DAS	3	6	3	9
Port Jeff	3	7	2	8

Bowlers with no averages will be assigned blind scores for handicap purposes, 110 for women and 140 for men.

4. Trophies and prizes will be awarded. Prizes will be based on the actual number of team entries and announced prior to the beginning of the tournament.

5. Team entry fee of \$10 includes the cost of bowling. Entry blank and fee must be presented at the BERA Sales & Services Office in the Cafeteria not later than 2:30 p.m. on Friday, April 15. No entries will be accepted after the first 64 have been received. The fee is non-refundable; only in the event that the minimum number of team entries (30) is not reached will the fee be refunded and the tournament called off. Teams not present and ready to bowl at the start of the tournament will forfeit the team fee.

6. Decisions of the Tournament Committee will be final.

7. For those who need a partner, call Matchmaker Service, Carol Beckner, Ext. 3483.

8. For additional information call Bob Wilson, Tournament Chairman, Ext. 4883.

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. 2874 or 2882.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

121. VETERINARY SERVICES ASSISTANT - Some holiday and weekend work required. Medical Dept.

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

122. DEVELOPMENT ENGINEER - Advanced degree or equivalent in mechanical engineering or combustion science with good analytical and communication skills. Experience in industrial systems and combustion desirable. Department of Applied Science.

123. PHYSICS ASSOCIATE - BS or equivalent in physics or electrical engineering with emphasis on integrated circuits and a working knowledge of mini-computer hardware and software. Physics Dept.

124. BIOLOGY ASSOCIATES - BS or equivalent in biology or biochemistry with demonstrated competence in biochemical and biophysical bench work. 2 positions. Biology Department.

125. PART-TIME TOUR WORKERS - For Fridays, Saturdays and Sundays, May 1 through October 31. Will guide tours, usher and cashier. Must have excellent skills in meeting and speaking to large groups. General familiarity with the Laboratory's history, research programs and physical plant highly desirable. Public Relations Division.

126. PROJECTIONIST - For Fridays, Saturdays and Sundays, May 1 through October 31. Operate complex, programmable, multi-screen audio visual equipment. Public Relations Division.

Autos & Auto Supplies

70 FORD TRUCK - 4 wheel dr, 67,000 mi. \$1250. Ext. 3468.

74 HONDA CB360 - Blue, luggage rack, very clean, adult driven. \$750. Ext. 2599.

65 PONTIAC - LEMANS - Convertible, 6 cyl, auto. \$150 firm. Leslie, 473-4938. Ext. 4148.

75 CHEVROLET - ¾ ton, camper special 454 cu in, Turbohydramatic, p/s, h/d brakes, aux gas tank, extras. 744-2364.

72 KAWASAKI 250 cc ENDURO - Many new parts, 400 mi on rebuilt engine. \$450. 588-6539.

SNOW TIRE - 650-13 w/o rim. \$12. Ext. 3609.

74 GREMLIN - 23,000 mi, auto, ps/pb, extras. Dick, 286-8906.

72 AUDI - 100LS, 2 dr, am/fm, exc cond, rebuilt engine. Asking \$2200. Ext. 3766, 286-0123.

75 FORD LTD - ps/pb, a/c, low mileage. \$3,000. 928-7591 after 5 pm.

72 BUICK SKYLARK - Convertible, ps/pb. \$1500. Chris, 475-5266.

PAIR - Eldorado formed steel wheels, like new. \$30. Ext. 4599 or ARI-2877.

2 SNOWS 950-15 Cadillac white Firestone Town & Country, used one season. \$50. Ext. 4599 or ARI-2877.

4 MGB WIRE WHEELS - Fair cond. Abe, Ext. 3737, 286-0103.

72 HONDA - 350 CB, Fairing, highway bars, luggage rack, sissy bar, saddle bags. \$700. Dan, 277-1284.

76 VENTURA II - Perfect cond, 6 cyl, good on gas, tape deck, am/fm stereo, 4 speakers. \$2500. 331-9095.

74 AUDI - 100LS, 4 dr sedan, tan w/brown leather upholstery, am/fm stereo, std. shift, great gas mileage, ex cond inside & out, extra set brand new snows. Ext. 2882 or 2883.

76 FORD TORINO - Station wagon, 15,500 mi, auto, ps/pdb/pw, CB radio, roof rack, tow pkg, hitch, excel cond. \$4,250. Ext. 3278.

74 FIREBIRD ESPRIT - 25,000 mi, a/c, ps/pb, console, positraction, tint glass, stereo, Rallydash. \$3,500. Stu, 273-6993.

70 FIAT 124 - Sportspider conv., 5 spd, radial tires, 25-28 mpg, good cond. 928-4481 after 6.

74 PINTO - 2 dr, 16,000 mi, like new. \$1800. 289-2355 after 6.

70 CHEVROLET IMPALA - 350 engine, 4 dr, very dependable, body needs work. \$400. 281-7844.

67 PLYMOUTH - Station wagon, Bellevedere II, new valve job, just inspected. \$275. Ext. 3649 or 751-3639.

70 MONTEGO - 4 dr sedan, a/c, ps/pb, one owner, 76,000 miles, \$850. C. Eterno, Ext. 2446 or 929-6172.

69 CHEVELLE MALIBU - 6 cyl, damaged driver's side, engine, tranny excel. \$250. Ext. 3404 or 981-1195 after 4.

75 MGB - Burgundy, tonneau and boot, am/fm, over-drive, clean. \$3700. Ext. 2599, 821-0599.

74 PEUGEOT - 504 diesel, excel cond, sunroof, metallic siver, 2 new Michelins, am/fm Blaupunkt stereo. \$3900. 878-1083.

64 DODGE DART - 6 cyl, auto, 4 dr, good tires, bat and alt. \$100. Ext. 2624.

TRAILER HITCH - Fits most 74-76 Fords. Used once. \$12. Ext. 3593.

75 SUZUKI 550 - Excel cond, extras, \$1250. Bob, Ext. 3313.

69 PONTIAC LEMANS - 2 dr, pb/ps, a/c, vinyl roof, fm stereo, auto, very dependable, excel cond. Asking \$950. Ext. 3319, 751-7140.

70 CHRYSLER - 2 dr, ps/pb/p seats & windows, very good tires and snows, good cond in and out. Ext. 3319, 751-7140.

66 VW SQUAREBACK - Dealer rebuilt, good tires & snows, excel cond. Ext. 3319, 751-7140.

69 DODGE DART - Swinger, 6 cyl, 2 dr, std trans, 4 new tires, rebuilt engine, good cond. \$650. Ext. 3390/3177.

Boats & Marine Supplies

75 MERC ENGINE - 50 hp, used one year, good cond. \$850. 286-8517 after 5:30.

17' BOAT - Clamming or fishing, + Holsclaw trailer, brand new, plus extras. \$1200 takes all. 286-8582 after 5.

21' CENTER CONSOLE - Mako type, 115 Mercury power tilt, all extras, galvanized tandem trailer. Ext. 3120 or AT 6-0641.

18' SAILSTAR - Centerboard sloop, fiberglass with cuddy, kelly green and buff, full rigging. \$1200. 3.5 hp motor, trailer extra. Ext. 2599, 821-0599.

18' CATBOAT - With outboard and many extras, new standing & running rigging. R. Stoehr, Ext. 4851 or 363-8981 after 6.

MINI FISH - Fiberglass sailboat, Sunfish's little sister, lime & white, sails, excel cond. \$400. 286-2292.

BOAT - Or utility Tee-Nee trailer, 500 lbs capacity. \$200. 286-2292.

24' ZOBA - Inboard w/trailer, rebuilt interceptor eng, excel cond. Asking \$1200. 722-3247.

12' ALUM BOAT - 3 yrs old, ex cond. \$180. Ext. 4032 or 751-1660.

16' OUTBOARD SEA SKIFF - With 40 hp elec start & trailer. \$550. 581-0932 after 6.

31' BALTZER - Family boat with camper back, sleeps 4, twin 125 hp Chrysler engs w/60 hrs, head, galley and dinette. Asking \$3,500. Must sell. 331-1718.

59 CUSTOM DESIGN - & built 30' motorboat, superb cond, fully equipped, extras, 125 hp Chrysler crown eng, very low hrs, must be seen to appreciate. In water, Center Morices. \$6500. 929-4173 after 5.

18' SKIFF - Inboard, 4 cyl, gray marine, preservers, gauges, lights, 20 gal tank, rod holders, extinguisher, paddle, canvas. \$700. Tom, 325-1524.

72 MFG FISHERMAN - 14', steering controls, console, lights. \$175. 281-6325 after 6.

20 HP MERC ENG - 73, long shaft, mint cond. \$400. 286-3815.

15' SHARPIE - Good for clamming. \$150. 286-0761.

PLYWOOD DINGHY - Good cond, needs a coat of paint, now is the time to get ready for spring. \$75. Ext. 3593.

58 HARKINS ISLAND - 28', 125 hp Chrysler crown, good fishing & family boat. \$1695. Al, Ext. 4278, 878-0175.

16' COMET - Sailboat, excel cond, new sails, just painted. Asking \$800, Ray, Ext. 2952, 878-4883 after 5.

Miscellaneous

TYPEWRITER & TABLE - Underwood, \$25. Sharon, Ext. 3312.

CHANDELIER - 5-light crystal, \$35; sm freezer, \$40. 475-7464.

CHRISTMAS/WEDDING GIFTS - Never used, wok, elec, red, 12", \$30; fondue, elec, red, 1 1/2 qt, \$20. Ext. 2948, 928-1127 after 6.

EARTH SHOES - Never used, high boot, size 10 1/2, 1 yr old, light tan. \$30. 928-1127 after 6.

SHIP BUMPERS - Macrame covered, nautical motif wall decor, must see to appreciate. 928-1127 after 6.

SHRUBS - Yews upright & spread, 3-4', \$15; hemlock, 3', \$10; dogwoods, 8', \$25; rhododendron, 2-3', \$10; mountain ash, 6', \$20. Jim, 286-0024.

POCKETBOOK - Hand made genuine leather, barely used. Orig \$35, will sell, \$20. Bill, 929-6442.

NATIONAL GEOGRAPHIC - Magazines, January 61 thru December 72. No map supplements. Best offer. 878-0222.

HIKING BOOTS - Women's size 8, men's size 12. \$10 ea. Frank, Ext. 3898 or 799-4896.

MEDICAL ENCYCLOPEDIAS - 30 (old). Make offer. Ext. 3146.

70 HOLIDAY RAMBLER - Travel Trailer, 31 ft, rear bedrm, a/c, many extras, ex cond. \$6,800. Call after 4, 472-0086.

73 CHATTEAU TRAILER - 18 ft fully self-contained, refrig, oven, stove, shower, toilet, sleeps 6, screened-in room, excel cond. \$2500. Ext. 3278.

TRAILER - Pop-up Bravo, sleeps 8, hdtip, stove, sink, icebox, trunk, 2 tables, excel cond. \$1200. Jerry, 475-5591 before 3. Ext. 3303 after 5.

ECONOLINE CAMPER - 6 cyl, auto, self contained, fully equipped, headroom, reasonably priced. Ext. 2292 days, 3035 eves.

PALAMINO GELDING - 16 hands, 14 yrs, English pleasure, excel manners, sound. 288-6021 eves.

GOLF SHOES - Ladies, 7 1/2 narrow, white, new cond. \$8. Ext. 2456.

SEWING MACHINE - Factory model in 4 ft work-table, Straich Stich, heavy duty. \$40. Ext. 2456.

PHASE LINEAR - 700 B Amplifier, 700 watts, 350 watts/ch into 8 ohms. \$450. Ext. 4722 or 475-6258 after 6 p.m.

COLEMAN STOVE - 2 burner, never used, w/1 gal fluid. \$20. 929-4540.

WASH TUB - Fiberglass, w/faucet, stand. \$5. 929-4540.

COLEMAN CAMP HEATER - 3000 to 5000 BTU, new \$58. Will sell \$30. lit's like new. Jack, 727-3654.

CAMERA - Polaroid SX-70 with leather carrying case, some accessories, brand new. \$75. Audrey, Ext. 3489.

WATER TANK - Sears vertical water storage tank, 82 gal, glass lined, used 2 yr, good cond. \$35. Call 289-1855 after 6.

DRILL PRESS - 15 1/2" Craftsman w/1/2 hp motor, 8 spds, angle vice, ex cond. \$250. 472-1875 after 5:30 p.m.

CHAIN SAW - 2 ea - (1) Echo-gas chain saw, 18" bar. (2) McCulloch gas chain saw, 22" bar, model Mac2-10. 281-6070.

TV - B&w Zenith portable 19", plays well. \$35. Rug, 9x12 sculptured with pad. \$40. Ken, Ext. 4003, 4581.

AMPLIFIER - Ampeg, Jet-J-12, excel cond. \$100. 727-4925.

KENMORE RANGE - 30" double oven gas, copper-tone, like new. \$200. Ext. 4597 or 981-3371.

MOVIE CAMERA - 8 mm, Japanese make with turret lens, light meter w/case, excel cond. \$45. 924-4740.

WESTERN SADDLE - & bridle, nice cond. \$65. Al, Ext. 3354.

2 METER - Mobile rigs, new & used. A. Campbell, Ext. 3354, 727-7115.

GOLF BALLS - Used, 15 for \$1. Ext. 2906.

PEDESTAL TABLE - Solid black pine, 42" round, 2 capt & 2 mate chairs, 14" glass top. \$400. 722-4784.

MATTRESS & BOX SPRING - Good cond, clean. \$40. AT9-0687.

DRAPERIES - Cortley gold open weave, 144x84 and 96x84, like new, was \$240, asking for \$120 only. 751-5868.

SINGLE HEADBOARD - French provincial. \$10. 751-5868.

GIBSON GUITAR - 56 Les Paul Jr, all orig, very good shape. Asking \$350. Ed, 727-3608.

POLAROID LAND CAMERA - Model 420, w/Polaroid focused flash unit, very good cond. \$65. Ext. 2972.

KEYSTONE - Pocket Everflash 120 camera w/built-in electronic flash, never needs flash cubes, very good cond. \$30. Ext. 2972.

BUMPER POOL TABLE - With cues. \$70; riding mower, 3 1/2 hp. \$30; 2 ea 48" turquoise lamps. \$20/pr. Ken, Ext. 4003, 4581.

AIR HOCKEY - Electric, excel cond. \$15. 286-8256 after 5.

BICYCLE - AMF Roadmaster Jr, red, 20", beautiful cond with bell & basket. Asking \$35. 744-3569 after 6.

COMB ALUM S/S - Fit 50 1/2"x32" opening, excel cond. \$15 ea. R. Stoehr, Ext. 4851.

SPEAKERS - 3 element, 10" woofer, 5" mid range, 3 1/2 tweeter, walnut grain cabinets, excel cond. \$50/pr. 475-4394 after 6.

LINEN KITCHEN TOWELS - LI map design, great for framing, souvenir gifts or just practical use. \$2 ea. C. Goodzeit, 286-0271.

ORGAN - Wurlitzer, Model 4520, theatre organ, excel cond, privately owned. \$1600. 732-3296 after 6.

SOFA - Rose beige, flexsteel frame, trad style, excel cond, any reasonable offer. Ext. 2627 or 744-3443 eves.

BABY ITEMS - GM toddler car seat, car booster cushion, tyke bike, stroller, potty chair, jump chair. 286-3964.

UNUSUAL JEWELRY - Coins expertly cut-out-designed for pendants, earrings, & bracelets. 924-3236.

VENDING MACHINES - Brand new, still in crate, best offer. 924-3066.

BUNK BEDS - Complete, excel cond. \$80. Hank, Ext. 3935, 744-9812.

CASSETTE TAPE RECORDER - Supremacy, good cond, used less than one year. \$15. 924-3066.

LIVING ROOM RUG - 11 1/2x12 1/2 royal blue/brown accents. One light blue rug 6 1/2x9. Both \$100. Humidifier. \$20. 661-5501.

FURN - Corner sectional, 8' \$150; bench couch w/built-in tables, \$100; lamp & coffee table, \$75 ea. Ext. 3121, 744-5261.

AM/FM STEREO - 4 ch "Pioneer," Q-X 646, brand new in box with guarantee. \$325. 744-2725.

TURNTABLE - Connoisseur, 3 spds, needs work, \$10; record holders (2) \$1 ea. 924-3066.

LAWN MOWER - 18" snapper with grass catcher, 3.5 hp, Briggs & Stratton eng. \$40. Roto-Tiller, 5 hp, Toro, 2 spd. Mike, 281-6070.

MARBLE SINKS - Custom colored, sizes from 24"-120". 878-2613 after 5.

BOWLING BALL - \$5; 400 power microscope, \$10. Old books & doll. 727-5912.

REDWOOD PICNIC SET - 7' table w/2 benches, Kaufman w/canopy, excel cond. \$50 firm. 744-2404.

WELL PUMP - Sears, Model E110 convertible, 3/4 hp, built-in pressure gauge, good for 110 ft depths, used 2 yr, good cond. \$65. Call 289-1855 after 6.

GARAGE SALE - Kayak, decoys, lawn mowers, snow tires, gowns 11/12, many small items. Sat, 4/2, 12-5, 58 Forestall Drive, Mastic. Earley, Ext. 4007.

Real Estate

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

For Sale

CLEARWATER BEACH - Building plot, 100x150, marina rights, walk to beach. Asking \$13,500. Steve Marino, Ext. 3469, 281-4371.

TOWNHOUSE - 3 bedrm, 1 1/2 baths, 5 appl, w/w carpet, s&s, cent ac. Asking \$23,000. 15 min to Lab. Ext. 2978, 369-2526.

MASTIC BEACH - 2 bedrm, s&s, low taxes, 12x24 den, wood deck, 125x100 corner lot, treed, full basement, new kitchen. \$29,500. 281-7763.

BLDG PLOT - 1 acre, wooded, estab area, 10 min from Lab. 924-3236.

PATCHOGUE - Roe Blvd area, 3 bedrm, garage, deck, fp, w/w carpet, full basement. \$43,000. 331-1718.

CORAM - Immaculate 4 bedrm colonial, formal dining, 1 1/2 baths, full basement, garage, s&s, oak floors, extras. 929-8383, before 5; 698-2030 after 6.

RIDGE - Strathmore 3 bedrm townhouse, 1 1/2 baths, fully equipped. \$28,000, low cash over 7 1/2 mortgage. 924-3361.

MIDDLE ISLAND - 4 bedrm townhouse, 2 baths, storage rm, all appl, central ac, w/w carpet, clubhouse, swim, tennis, 1 yr old, immaculate. \$29,900. 924-5457.

POCONO PROPERTY - Horses, swim, ski, tennis, boating, priv community, will hold mortgage. Ext. 3870, 732-3003.

N SHIRLEY - 2 bedrm ranch w/lg kitchen, fp, treed 1/2 acre w/6' stockade fence, rm for expansion, adj Southaven Park. June, Ext. 2970, 399-0836 after 5.

BELLPORT VILLAGE - 4 bedrm cape, fp, country kitchen, 1 1/2 baths, garage, inground pool, fenced yard. \$55,000. 286-0795.

BROOKHAVEN HAMLET - 1 acre, flat lot, secluded. 286-0834 after 6.

EAST PATCHOGUE - 4 bedrm cape, den w/fp, full basement. Asking \$38,000. 286-0944.

For Rent

RIVERHEAD - 2 bedrm house, \$225 + util, no pets, 1 month security. 727-5621.

PUERTO RICO - Shore front penthouse, 1 hr from San Juan, sleeps 6, 2 bedrms, 2 baths, fully equipped. Take advantage of off-season rates. Ext. 3482.

FURN RM - Lovely furn rm w/bath, priv entrance, Bellport Village. 286-8638.

APT - Patchogue area, 2 bedrms, bath, priv entrance. \$250/month. Walt, Ext. 2907, 698-0576.

APT - 1 bedrm, corner, fp, carpet, dishwasher, tennis, pool, & golf incl at Pine Hills Country Club, avail May or June. 878-4794, 286-3333.

APT - 4 bedrm apt, 10 min to Lab, roomy condo, use of clubhouse, pool, tennis, etc. \$300/month incl heat. Ext. 4017, 286-0491 after 6.

STONY BROOK VILLAGE - Female to share 2 bedrm house, June-Aug. \$140/mon + util. 751-3748 after 6.

E PATCHOGUE - 2 bedrm house, unfurn. \$250/mon, 1 month security, avail Apr 15. 286-1018.

Wanted

RADIOS - Not working to strip for parts. Laurence, 744-5079 after 3.

BACKPACK W/FRAME - Suitable for young Boy Scout, reasonable. Richard, 727-5134.

TO RENT IN BELLPORT BAY - Long time boatman wishes to rent for use in Bellport Bay, 1 week July or Aug. Ron Stonebridge, 286-1205, Ext. 4417.

TIRE - 165-15" Michelin steel belted radial fair to good cond. 475-0144 after 6.

BABY