

Five Reach One Score And Ten

When Anna Kissel, Charles Osborne, Martin Plotkin, Frederic Vandervoort and Olga Vario first came to this site, the Army was still very much in evidence. Barracks stood row on row. The mess hall had just lately become the cafeteria and the former officer's club was the Center. That was 30 years ago.

They came here in 1946 and they stayed. This year they are the first to celebrate 30 years with the Laboratory. They will also be the first to receive the new service awards. "Thirty years deserves special recognition," says Personnel Manager Joseph Washburne. "Many of the old emblems were outdated and we thought it was time for a change. With many employees approaching their 30th year, this first such celebration seemed a good time to make that change."

Many things have changed here over the years and the five pioneers have seen the



Anna Kissel

transformation of this site from an army post to a thriving scientific community. Like many people in 1946, they had been associated with the war effort in one way or another before they came together on Long Island.

Anna Kissel came to Brookhaven out of Los Alamos, where she had been an Army sergeant on the Manhattan Project. When she received her Los Alamos assignment from the Army she was told little, only that "it was out in the middle of nowhere and that it would be 100 men and a girl." She was the girl.

Before her discharge from the Army, she heard of a new laboratory being organized and was told to contact Mariette Kuper at Columbia. Mrs. Kuper interviewed her and Anna was hired. She worked at Columbia for eight weeks before she was sent to Upton as secretary to Philip Morse, the first Director of the Laboratory.

Anna continued to assist directors. From 1948 to 1961 she was secretary to Leland Haworth, the second Director of the Laboratory. When Maurice Goldhaber succeeded Haworth, she continued in the Director's Office. In 1973, Dr. Goldhaber returned to research and Anna went with him to the Physics Department.

She confesses to some nostalgia for the excitement and challenge of the early days. "There were no Xerox's or air conditioning then," she says, "and I don't know how we produced all the work we did, but it was fun." Anna has known all the ups and downs of the Laboratory, and she wouldn't have missed any of it.

Charles Osborne had been a research associate at Clinton Laboratories, Oak Ridge, for two years before he came to Brookhaven at the invitation of Lyle Borst, who was in charge of the nuclear reactor project. Osborne's first assignment was to locate the graphite for the reactor, and when that was accomplished, he was responsible for testing it for nuclear quality.

Chuck Osborne has been associated with the Reactor Division during his entire ca-

reer at the Laboratory. He was a group leader of reactor operations on the Brookhaven Graphite Research Reactor until 1959 when he went to work on the High Flux Beam Reactor as an associate project engineer. In 1963 he was made group leader of HFBR operations. About four years later he returned to the Graphite Reactor to work on its decommissioning which was completed in 1970.

In the late sixties, Osborne was appointed Deputy Head of the Reactor Division and supervisor of the medical research reactor. Since July 1 of this year, he has been on sick leave.

As do the others, Chuck remembers Brookhaven in the early days as "a very congenial place. There were so few people here that you knew everybody." He is also pleased that the old graphite reactor may have a future. He thinks that "a science museum there would be a great project."



Martin Plotkin

Martin Plotkin had been a lieutenant in the U.S. Navy where he worked on special underwater mine locating equipment. When he was hired by AUI he was assigned to the 240" synchrocyclotron, and for the first five months was headquartered at MIT because there were no facilities here. About a year later, after it was decided not to continue with this project, he became involved in what became known as the Cosmotron, a word which evolved out of the Cosmitron, the name Plotkin originated. His particular field was the radiofrequency accelerating system and the ferrite accelerating cavity.

From 1953 to the mid-sixties, Plotkin's primary concern was the development of the AGS, and with Raka and Synder, he holds a patent on that machine's accelerating system. In 1965 Plotkin was named Chief Electrical Engineer of the Accelerator Department. Along with his administrative responsibilities, he was also that department's Safety Coordinator. Now he is devoting his expertise to the ISABELLE colliding beam project.

Marty recalls that in Brookhaven's infancy, the entire scientific staff for all departments was concentrated in one building. Information was freely exchanged and everyone was aware of what everyone else was doing. There was a lack of formality at work and recreation was impromptu. Plotkin says it was not unusual on a hot summer afternoon to close up shop and for everyone to head for the beach.

Early in 1942 Fred Vandervoort's first visit to Camp Upton was as a draftee. Some years later in New York, now mustered out of the army as a major in the U.S. Corps of Engineers, he heard about a new laboratory opening up which promised to be new and exciting. He was referred to somebody at Columbia University and there he was hired by AUI. He stayed at Columbia for about ten days before he was told the location of the new laboratory. He had come full circle - it was good old Camp Upton.

Vandervoort's first assignment was to take inventory for AUI of all property to be taken over from the government. He recalls that there were only about eight AUI people on site at that time - the rest were AEC personnel. When the inventory was complete he moved to the Fiscal Division where he was in charge of the fixed assets and inventory records. In 1959 he transferred to the Physics Department and for years was administrator for the Bubble Chamber group. He has remained in that department and is a Senior Staff Assistant.

Fred does not long for the good old days. He has enjoyed being part of the Laboratory's scientific growth. He has seen all the major construction and has met a lot of people. He says, "it is always a pleasure for me to see somebody come here with an idea and achieve a success of any kind."

Olga Vario was a language major who moved into her present field during the

(Continued on page 2)



Charles Osborne



Olga Vario



Fred Vandervoort



Murray Gell-Mann

Prof. Gell-Mann Here Next Week

Nobel laureate Murray Gell-Mann, Robert Andrews Millikan Professor of Physics at the California Institute of Technology, will be the Brookhaven Distinguished Lecturer in Physics for 1976.

He will present two lectures during his stay here: the first, "What Are the Building Blocks of Matter?" on Friday, November 12 at 2 p.m., and the second, "Some Current Questions in Particle Theory," on Monday, November 15 at 2 p.m. Both lectures will be held in the Physics Seminar Room.

Professor Gell-Mann has had a long and illustrious career in theoretical physics. Among the major landmarks associated with his name are: the concept of strangeness, V-A theory of weak interactions, SU (3) symmetry, quarks, and current algebra. Besides the Nobel Prize which he won in 1969, Professor Gell-Mann has been the recipient of numerous other awards including the E.O. Lawrence Award, the Dannie Heineman prize, as well as honorary doctorates at Yale, Chicago, Illinois and Wesleyan.

He received his Ph.D. from MIT at the age of 22 and that same year became a Member of the Institute for Advanced Study. In 1952 he was appointed an instructor at the University of Chicago and was an associate professor when he left three years later to join the faculty of the California Institute of Technology. In 1967 Gell-Mann was appointed the Robert Andrews Millikan Professor.

Spring Registration

Advanced registration for the 1977 spring term of the Stony Brook/BNL extension program in Applied Mathematics for new and continuing students will be held on Wednesday, November 10, from 10 a.m. to 12 noon in the conference room of the Radiation Division, Bldg. 318.

Courses in Applied Mathematics to be given at BNL are: MSA 507 Introduction to Probability and Stochastic Processes, Schreiber, 5:30 to 8:00 p.m. Tuesdays; and MSA 511 Introductory Methods in Applied Mathematical Analysis, Greenspan, 5:30 to 8:00 p.m. Wednesdays.

Professor Daniel Dicker and Mrs. Esther Weitzman will be present to register students and to advise them regarding their course plans.

Energy Conservation

With cold winter weather approaching, Laboratory employees are being asked to help conserve our heating fuel. Where applicable, make sure storm windows are in place. Set thermostats to 68° maximum during working hours, 60° maximum at all other times.

Astronauts Wanted

NASA is currently recruiting for astronaut candidates in a 2-year training and evaluation assignment, with the possibility of selection as Space Shuttle pilots or mission specialists at the end of the assignment.

Basic requirements for mission specialists are: bachelor's degree in engineering, physical or biological science, or mathematics (advanced degree or equivalent experience desirable); ability to pass NASA flight physical; height between 60-76 inches.

Requirements for pilot positions are: bachelor's degree in engineering, physical science, or mathematics (advanced degree or equivalent experience desirable); 1000 hours first pilot time (2000 hours desirable, and high performance jet aircraft and flight test experience preferred); ability to pass NASA flight physical; height between 64-76 inches.

Applications are due by June 30, 1977, selections will be made by December 31, 1977, and successful candidates will report for duty on July 1, 1978.

Details of these programs are available at the Office of Scientific Personnel, 40 Brookhaven Ave.

Tea, Sherry And Plants

"Grow Something Beautiful" is the theme of the fall Tea and Sherry Party sponsored by the Hospitality Committee on November 18 at the Brookhaven Center from 3 to 6 p.m. The wives of all employees are invited to attend, and women who are employed at the Lab are invited to drop in after working hours.

Many varieties of unusual and beautiful indoor plants will be on display. In addition, there will be demonstrations of dried flower arranging, Japanese flower arranging, sand-design terrariums, potting plants, and making macramé holders for hanging plants.

Free babysitting will be available at the gym, so please come and enjoy an interesting afternoon.

Cooking Exchange

A Christmas gift of food is a perfect gift of love! Ideas for tasty treats will be demonstrated at the next meeting of the Cooking Exchange on Wednesday, November 10, at 12:30 p.m., in the Recreation Building.

Bring yourself, your children (babysitting provided at 25¢/child), your Christmas list, and 75¢ to cover tasting privileges.

The Cooking Exchange Committee would like to stress that new faces are always welcome.

Landscaping The Lab

When Hurricane Belle ripped through here a few months ago, a number of trees were the principal victims of the storm. The towering locusts that graced Berkner Hall, the catalpas in front of the Library and many other trees, were toppled.

They have now been replaced. The bare spots around Berkner Hall have been filled in by two Kwanzen cherry trees, two willow oaks and two lindens. Norway maples and red maples have been planted around the adjacent parking lot. Flowering crab apple trees will bloom in front of the Library.

Around the machine shop on Center St. there are new plantings of azaleas, red maples, honey locusts and yews. These, along with flowering crab apples, have also appeared around Metallurgy and the Tandem.

A few weeks ago, greenery and bright flowers seemed to appear overnight in front of Site Maintenance Services. The premises had been beautified with sweet gum, honey locusts, pin oaks, spreading yews, chrysanthemums, and capitatas clipped like small pyramids.

Site Superintendent Herman Haller and landscape supervisor Tage Carlsson select the trees and bushes, and decide what is to go where. Haller says, "Ed Hunter (retired site superintendent) set the trend of informal planting and we intend to keep it going." They chose the flowering cherry trees to replace the grafted locusts around Berkner Hall, not only because of the beauty of the flowers, but because the trees are sturdy and might be expected to withstand future storms.

For the pleasure of the patients in the

Four Tickets — On The House

A little bit of the gambler lurks in each of us. It's for sure you'll have a winning time at the Lionel Hampton — Pat Cooper Shows, and you just might hit the jackpot twice. Two lucky winners, to be announced after each intermission, will see the show on the house. So there are four chances here, and with the limited seating in Berkner, the odds are good.

If you still haven't purchased your tickets to this Very Special Event, don't take chances. Go down to the cafeteria during lunch or, before and after, to the Recreation Office in Personnel (Ext. 2873) and lay down your bicentennial cash. Tickets are also available in the departments. Only \$17.76 buys two tickets or \$9, one (refreshments included!).

Good bets for seats can still be had, particularly at the 4 p.m. afternoon show. When the Sunday what-do-we-do-today blues start getting you down and you wish you'd got your tickets on Friday, all won't be lost. Tickets will be sold at the door for both the 4 p.m. and 7 p.m. show seats.

Come a little early and have a drink before the show. Cash bars will be open from 3:30 on . . . until the party's over!

Whatever you do, don't miss this opportunity to see two really big names for the going price normally charged for one. You'll never forgive yourself, for "The Hamp" has a whopper of a showstopper finale planned.

— Bev Goldstein



Good seats are still left for the concert performance of this international jazz superstar whose contributions to the musical world have made him a legend in his own time. Lionel Hampton will bring along his entire crew: the Inner Circle Orchestra, dancer Bunny Briggs, who does a delightfully stylish bit of sliding, slithering, and tapping, and Sandy Patton, a singer with an unusually fresh, warm, and easy voice. Comedian Pat Cooper will open this year's BERA Special.

research hospital, flowers that bloom in sequence, are planted in the patio. Daffodils blossom in the spring and are followed by impatiens, petunias and chrysanthemums throughout the season. The nurses and orderlies help out with the watering.

Haller and his men have a running battle with rabbits and deer. According to Haller, the rabbits love to "knosh on dogwoods and deer strip the greenery off the hedges until only twigs are left." Sometimes the men spread whole corn around the hospital to lure the deer away from greener pastures, and at the same time provide the patients with a picturesque scene.

The people who are responsible for the upkeep of the site are proud of what they do and only get aggravated when careless ones throw paper and other debris around. A lot of loving care goes into the maintenance of the grounds; as Haller says, "we fuss over it."



Landscape supervisor Tage Carlsson checks new plantings in front of Site Services.

TUNE IN!

#424

Lab personnel in the last few weeks who have had to use access roads around the Bank, the gas station, and the laundry experienced a great deal of difficulty maneuvering and being extremely careful not to break axels or be shaken apart.

"Dig we must" is the famous slogan by Con Ed in the City. There is much experience in street excavation. The excavation methods and refills during construction being used by the contractors are absolutely horrendous.

There is no excuse for totally blocking the major roads and leaving holes which are extremely dangerous. Our cognizant safety committees on the Lab site should enforce safe procedures well known to all in the business.

Answer:

It is necessary to consider cost vs. inconvenience in planning road excavation work. Alternate routes were available to all points on site, including the bank, Mobil gas station and hot laundry, without using any excavated streets.

Where practical, one-half of the street was closed at a time. This was not always possible, because of the lengths of pipe or conduit installed and the operation of construction equipment. After the conduits were installed, the concrete encasements required seven days curing time before traffic could be allowed over them.

— E.E. Shelton

Holiday Notice

Laboratory employees will have a holiday on Thursday, November 11, to celebrate Veteran's Day. Bankers Trust of Suffolk, the on-site bank, will be closed, but the U.S. Post Office will be open.

Thirty Years

(Cont'd)

war. Before she came to Brookhaven, Olga spent about three years at the S.A.M. Laboratories, a part of the Manhattan Project, which was headquartered at Columbia. There she worked in auditing and payroll in what she calls "a cloak and dagger" atmosphere. The offices were continually moved from one location to another, and although she knew she was involved in something big, she didn't know what it was until the "bomb" was exploded.

Olga says that because of her payroll and administrative responsibilities, she was "the last one out the door" when the Manhattan Project dissolved. While still at Columbia she heard about the new laboratory on Long Island and was offered a job. For a brief period she was on the AEC staff, and when she transferred to AUI, became assistant payroll supervisor. In January 1954 when the payroll was automated, she became Payroll Supervisor, a position she still holds.

The Laboratory has changed a great deal over the years, of course, and in those early days, there were fewer pay checks and no computers. Although the hours were long and the work hard, Olga particularly remembers the camaraderie. "The Laboratory was a closely knit place," she says, "everyone cared for everyone else."

As this year draws to a close, we celebrate the first wave of 30-year anniversaries. Next year, the count will be much larger. Current personnel figures indicate that 139 employees are slated to join this distinguished group in 1977.

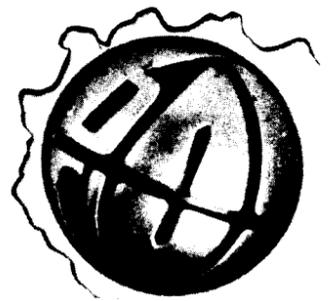
New Emblem Designed For Service Awards

The five people who are currently celebrating their 30th anniversary at Brookhaven will be the first recipients of the newly designed service awards. As of January 1977, the awards will be presented to all employees in recognition of 10, 20, 25 or 30 years with the Laboratory.

The new emblem is an abstract of the BNL/AUI logo set in a sunburst, and was designed by Linda Brunini Weisenfeld, a New York jewelry designer who is also the daughter of a retired BNL employee, Alfred J. Brunini.

The emblem will be available in small and large sizes and will be set in a piece of jewelry to be selected by the employee. The choices offered are a necklace, bracelet, brooch, tie tac/lapel pin combination, bolo slide and tie, belt buckle, or a key chain.

The ten-year service award is made of jeweler's metal; at 20 years the emblem is of sterling silver and the sunburst is gold-filled. At 25 years, a .03 carat diamond is added, and at 30 years, a .05 carat diamond.



On the anniversary date, the employee will receive from his or her department head an envelope containing a framed certificate commemorating the years of service, and an attractive brochure with actual photographs of the jewelry to be selected. On a tear-off order form the individual will make a choice and return the form to the Personnel Office where the order will be filled.

The committee, which worked for months on the selection of a suitable design for the new service awards, included Assistant Director R.C. Anderson, Personnel Manager Joseph Washburne, Assistant Personnel Manager Peter Paige, and Public Relations Assistant Beverly Goldstein. Bob Brown and his staff in Graphic Arts assisted in the project all the way through.

Now that the 30-year mark has been reached, plans are underway for a suitable commemoration of 35 years.

BROOKHAVEN BULLETIN

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Editor's Note:

With this issue you will notice that we have retired the *Brookhaven Bulletin* banner on the front page and the editorial box which have served so well for the past eight years. The American flag which was used on the Bicentennial issue has been held over the past few months, but was not intended as a permanent fixture. The old seals representing the Brookhaven Graphite Research Reactor and the AEC representation of the atom, which formerly accompanied the banner, are now obsolete. To give the *Bulletin* a new look, a modern type face has been used for the banner and the editorial box.

Letters To The Editor

Dear Friends of Charlie,

The children and I are profoundly grateful for all the kindnesses extended to us in the past few weeks. Your expressions of love helped support us at a time when it was needed most. You have taught our children this sterling quality, "Love in Action" - it will not be forgotten. You knew him as a man and co-worker - we knew him as a husband and father. We are happy to have shared his life with you.

Sincerely,
Mrs. Mildred Patrick

Cafeteria Menu

Week Ending Nov. 12, 1976

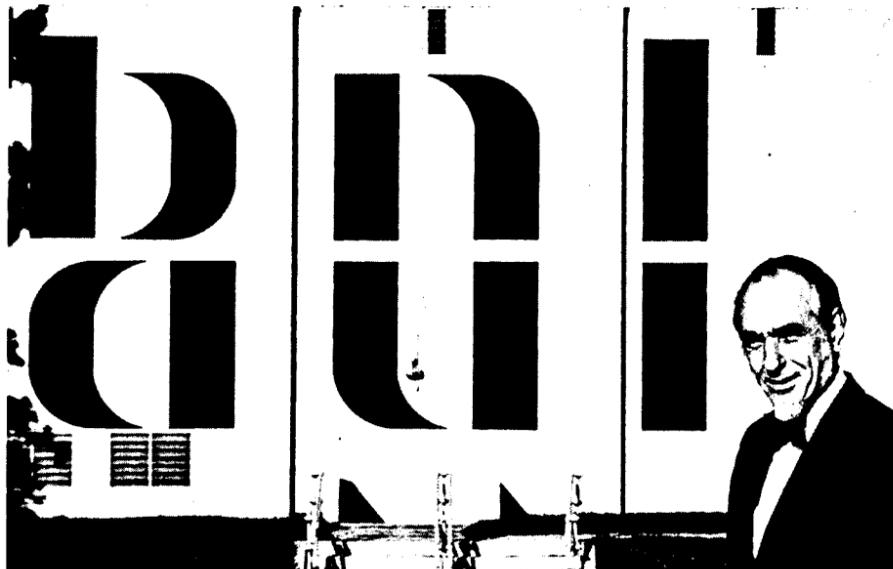
Monday, November 8	
Cream of Mushroom Soup	
Chicken à la King on Rice	1.10
Cheese Omelet & 1 veg.	1.00
Tuesday, November 9	
French Onion Soup	
Chinese Pepper Steak on Rice	1.25
Roast Fresh Ham & 1 veg.	1.30
Wednesday, November 10	
Split Pea Soup	
Breaded Flounder Filet w/fr. fr.	1.15
Special	
Spaghetti w/Meat Sauce & Garlic Bread	
All You Can Eat	1.10 plus tax
Thursday, November 11	
Snack Bar Service - 9:00 a.m. to 2:00 p.m.	
Friday, November 12	
Manhattan Clam Chowder	
Broiled Filet & 1 veg.	1.15
Beef Hash & 1 veg.	1.15

Audubon Lecture



Stefan A. Kling, Audubon Wildlife Speaker, who will narrate the film, "The Vanishing Eden," Wednesday, November 10, at 8 p.m. in Berkner Hall. The lecture/film program has been arranged with the National Audubon Society.

The New Look



R.C. Anderson, Assistant Director, stands beside the BNL/AUI logo which has been painted in letters eight feet high on the east wall of the old theatre building on Brookhaven Avenue. Lou Harson, Principal Architect, instigated the idea of dressing up the bare wall now that the building, which is used for storage, has been repainted and repaired. The striking logo was designed by Anderson.

Vehicles Public Sale

Five (5) vehicles, located at Warehouse T-87, will be available for Public Sale.

Inspection will be permitted from November 10 through November 19, during the hours of 9 a.m. to 4 p.m., except Saturday and Sunday.

Bids will be opened on November 23, 1976, at General Services Administration, Business Service Center Bid Room, 26 Federal Plaza, New York, N.Y.

This will be an informal competitive bidding. Bid forms may be obtained at Buildings 87 and 211. For further details, please call extension 2302 or 2977.

Service Award



Barney Brennan, head of the Police Group, recently presented a service award to 25-year veteran Sgt. Joseph Meyer.

Winter Is Coming

All the Laboratory vehicles have been prepared for the season; snow tires, heaters, and antifreeze included.

The automotive maintenance shop requests that no water be added to cooling systems except in emergencies, and, if such an emergency occurs, that they be notified so that antifreeze protection can be assured. Your cooperation will be appreciated.

Arrivals & Departures

Arrivals

John S. Ashton	Biology
Jane D. Bennett	App. Science
Joseph F. DePace	App. Math.
Nancy J. Fallon	Physics
Arup K. Ghosh	Physics
Jae H. Jo	App. Science
Howard J. Kane	Purchasing
Jill M. Kaufman	App. Science
John D. Mills	Biology
Kathleen L. Murphy	Purchasing
Mary C. Rustad	Tech. Info.
Anthony J. Salvo	Purchasing
Carl W. Vogel	Plant Engrg.

Departures

Carol S. Kroll	Personnel
Lori M. Poquette	Plant Engrg.
Richard D. Williams	Safety & Env. Prot.

Events At BNL

Sunday, November 7

BERA Special Event - Berkner Hall - 4 p.m. & 7 p.m.

Wednesday, November 10

Audubon Lecture - Berkner Hall

Thursday, November 11

Holiday - Veteran's Day

Friday, November 12

BNL Distinguished Lecture - Physics Seminar Room - 2 p.m.
Fairleigh Dickinson Tour

Monday, November 15

BNL Distinguished Lecture - Physics Seminar Room - 2 p.m.
Fortan Standards Committee (X3J3) Meeting (15-19)

Tuesday, November 16

Society of Manufacturing Engineers Tour
USIA Foreign Press Tour

Wednesday, November 17

ERDA Chemistry & Nuclear Science Review (17-19)
Navy Meeting

Thursday, November 18

Temple University Tour (18-19)

Friday, November 19

Synchrotron Radiation Meeting (19-20)

Sports News

Football

Slow Pokes 32 - Sweathogs 6

In the semifinals of the 1976 Touch Football League playoffs, the Slow Pokes defeated the Sweathogs 32 to 6. Slow Poke Quarterback, Tom Prach, threw touchdown passes to George Oldham, Dennis Nordstrom, Greg Donaldson and Fletcher Johnson (2). The Sweathogs TD was scored by Bob Petricek.

Slow Pokes 20 - Roga 18

In the final game of the 1976 Touch Football League playoffs, the Slow Pokes scored a touchdown with 45 seconds left to win the game. Charlie and Fletcher Johnson and Dennis Nordstrom scored the touchdowns for the Slow Pokes. George Oldham scored both extra points for the winners. The defensive team for the Slow Pokes, Ray Atkins, Greg Donaldson, Bob Jansson, Dennis Nordstrom and Fletcher Johnson played well.

Bowling

Black & Blue League

Congratulations to Renee Flack on winning her 666 club award with a 667 gross series. High games were Frank Bugala 220, Ed Sperry 220, Barney Brehm 206, Renee Flack 191/179, Ellie Kristiansen 187. High gross pots were won by Frank Bugala 257, Renee Flack 248.

Red League

Congrats to F. Stahman this week, earning his club award with a 601 scratch. A great game by Fred Hohmann (256 scratch, 280 gross) which is high in the league so far. The Sandbaggers had a big game, knocking down 1132 pins. J. Scesny and R. Larsen are now tied for high average

(187). High games for the night were F. Hohmann 256, R. Meier 233, F. Stahman 222, J. Scesny 215, J. Connelly 211/203, R. Larsen 211, E. Meier 204, C. Bohnenblusch 200.

Pink League

10/19/76: High games for the night were D. Marelli 186, M. Stoeckel 169, G. Fales 169, F. Brown 169, H. Keeley 169, K. Hunt 167, M. Brenner 164, F. Scesny 162, L. Boyd 161.

10/26/76: The Gutter Getters have moved into first place. Nice games were bowled by H. Keeley 193/155/157 505 scratch, L. Boyd 193/166 502 scratch, G. Fales 181, S. Vanderkolk 175, J. Gazzola 175, D. Marelli 167. J. Gazzola also converted a 1-5-7 "clump."

Green League

10/19/76: High games were J. Scott 212, A. White 212, L. Jacobson 208, N. Combatti 205, T. Iarocci 204, N. Parrinello 201 and B. Belligan 200.

10/26/76: For the past two weeks teams keep changing the first place spot. The Sparks now hold first by one point over the Blue Jays. The Pick-Ups are in third with the Got-A-Hit-Ums in fourth. For the Pinball Wizards, J. Spraggins had a 244. Other 200's were B. Belligan 220, N. Combatti 220, R. Vignato 210, A. White 207, L. Jacobson 205, T. Iarocci 201 and B. Brown 200.

Pool/Gym Schedule

The pool/gym complex is scheduled for a general housecleaning and sprucing up during the end of next week.

In preparation for this work, registered locker users are requested to remove contents from lockers and leave locker doors open on Wednesday, November 10.

Gym Hours (11/8 - 11/15)

Mon., Tues., Wed. - normal schedule
Thurs. - closed (BNL holiday)
Fri., Sat., Sun. - closed for maintenance
Mon., Nov. 15 - normal schedule

Pool Hours

The pool will remain closed until Wed., Nov. 17. At that time the schedule will be as follows:

Weekdays

11:30 a.m. to 1:30 p.m. - employees only
5:00 p.m. to 9:30 p.m. - employees/family members/guests

Saturdays & Sundays

1:00 p.m. to 6:00 p.m. - employees/family members/guests

Rifle & Pistol Club

The BNL Rifle and Pistol Club trap range held its last Monday night shoot on October 25. Present were six shooters including three new members: William Horn, Bob Miles and Emilie Gerard.

The trap range now moves its shooting time to Sunday mornings at 9:30 a.m. for the winter season. Plans are to hold shoots on alternate Sundays starting on October 31, with the last shoot scheduled for April 24, 1977.

There is a possibility of handicap competitive trap shooting if enough interest is shown. Whatever your interests, regular, occasional, or competitive trap shooting, please contact Vincent Lettieri on extension 4772.

The regular monthly meeting of the Club is scheduled for 5:15 p.m. on November 10, in the Recreation Building. Election of club officers as well as club activities will be discussed.

In addition, a special guest speaker, Investigator Robert S. Algar of the New York State Police, will talk on the new gun laws. All members should plan to attend.

Soccer

Indoor soccer will be played in the gym on Fridays from 5:00 to 7:00 p.m. Pickup games will be played on November 5, with league play starting later in the month.

Interested participants should contact Ralph Fairchild on extension 3649, or merely attend.

Mountain Club

There will be a meeting next Tuesday, November 9, at 7:30 p.m. in the North Room of Brookhaven Center. Plans for a day hike on the weekend of November 13 will be discussed. Some slides and photos will be shown that were taken on the Hunter Mountain hike and the canoe trip on Carmens River.

Classified Advertisements

Placement Notices

Each week the Personnel Office lists personnel placement requisitions, currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request consideration for themselves through the Personnel Office. In filling vacancies, the Laboratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a whole.

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

240. HEALTH PHYSICS ASSOCIATE - Seeking BS degree or equivalent with minimum three to five years' experience in training or education. Health Physics experience desirable. Assignment involves the development, coordination and implementation of training programs in a variety of safety disciplines. Safety and Environmental Protection Division.

241. STAFF ATTORNEY - To serve as legal advisor and representative of the Laboratory. Minimum of five years' private practice with business or corporate clientele. New York State Bar membership preferred. Director's Office.

242. DRIVER - Plant Engineering Division.

243. TECHNICIAN - AAS degree or equivalent in electrical technology to work on high current power supplies and digital controls. Accelerator Dept.

Autos & Auto Supplies

2 FORD RIMS - 15", \$6 each, 2 for \$10. Bob, Ext. 4778.

HONDA 175 - Only 65 miles. \$500. 732-2720.

74 GREMLIN - 23,000 mi, auto trans, ps/pb, radio, roof rack. Dick, 286-8906.

TIRE ON RIM - Sears b8 w G78x15, Dynaglass 22 tubeless on Merc rim, purchased new 9/14/76, used to 10/15/76, like new. \$30. Ext. 3712.

74 HONDA 750 - 6800 mi, excel cond. \$1300 firm. 399-2418.

TRAILER HITCHES - For older Chevy & Chevy wagon, old set of snow chains. Ext. 2493.

2 RIMS - 8-00-16.5 rims, 8-hole w/tires, 10 ply, ideal for spares. 924-3553. \$35. Ext. 2957.

70 DODGE SWINGER - 2 dr, auto, ps, excel running cond. \$900 or best offer. 281-4178 after 6.

73 MERCURY - Marquis Brougham, black, fully equipped, excel cond, 46,000 mi. \$3500. 589-5689 after 12.

SNOW TIRES - 1 pair C78-13 mounted on 5-hole rims. \$20. Casswell, 473-9223 after 5.

SNOW TIRES - H78-15, w/w, fiberglass belted, mounted on Ford rims, used one season. \$49 for pr. Irv Meyer, Ext. 3038.

2 RIMS - 14" 5-lug, for Olds. \$7.50 each. Joe, Ext. 4212/4640.

71 FORD CAMPER VAN - V8, auto, sleeps 6, stove, sink, ice box, excel cond. 473-9180.

74 MG MIDGET - Mint cond, 21,000 mi, 5 Perelli radials, all tops, am/fm stereo, \$2500 firm. 281-5385.

HOLLY CARB - 650 double pumper, brand new, still in box. \$100. Mike, 878-2486.

DISTRIBUTOR - Dual point & super coil for 440 Dodge. Used once. \$65. Mike, 878-2486.

69 OLDS 98 - Ps/pb/ac, good running cond, reliable trans. Les, Ext. 4074.

2 TIRES - Good year H78-14, one in fair cond & other in good cond. \$30. Jo, Ext. 3157.

76 CHEVETTE - Auto, good gas mi, 6 cyl, orange, 9000 mi. Carol, 878-2335.

72 PLYMOUTH DUSTER - Gold, 6 cyl, auto, ps, vinyl top, snows, 50,000 mi, good cond. \$1495. Peter, Ext. 4518, 736-0347 after 6.

69 CHEVY MALIBU - Auto, ps, orig owner, looks great but has high mi. \$500. 744-5009.

55 CHEVY - 2 dr hdt, new 327, 73 Monte Carlo int. \$1500. 588-5221.

69 CADILLAC - Sedan de Ville. \$940. Ext. 3267, 473-2594.

66 PLYMOUTH FURY - Excel running cond, ac. \$300. C. Eterno, Ext. 2446, 929-6172.

68 FORD WAGON - 307 V8, automatic, ps, excel mech cond, clean interior, extras. \$395. Rick, 727-7304.

72 NOVA - Excel cond, 6 cyl, 2 dr, automatic. 878-0358.

68 CHRYSLER - Ac/ps/pb/pw, motor excel, needs tires & trans work. \$300. 289-7804.

MECHANIC'S TOOLS - Brand new 411-piece Sear's hand mechanics tools, orig \$649, sell \$350. 289-7804.

2 PAIRS TIRES - W/rims, 15x11 Jetzon tires mounted on appliance rims. Dave, 281-6468.

70 VALIANT DUSTER - Ac/ps/tinted windows, radial snows, 42,000 orig mi. \$1375. 475-9364 after 5.

73 VEGA HATCHBACK - Low mi, must sell, best offer. 475-0364 after 6.

68 FORD STATION WAGON - High mi, runs well, ac/pdb/ps. \$200. Ext. 3326, 286-0497.

SNOW TIRE - E78-14, not on rim, new. Kathy, Ext. 3725.

2 14"-RIMS - Mounted w/F78 snow tires, good for Dodge or Plymouth. \$20/pr. Joe Disparti, Ext. 3284 noon, 281-8943 after 6.

76 MERC BOBCAT - Auto trans/ps, 33 mpg, 11,000 mi. \$3400. Tom, 727-5387.

70 BMW 2002 - 4 spd, high mi, but in good shape. Asking \$1700. 286-0384, Ext. 4492.

74 MUSTANG II - 26,000 mi, 4 cyl, standard, blue vinyl top, white body, luxury interior. \$2800. Ext. 3381, 878-4077 after 6.

SNOW TIRES - Goodyear suburbanite wide tread D70-13. \$15. Ext. 3381, Linda, 878-4077 after 6.

62 VW BUG - \$150. Write to Lazareth, Bldg. 129.

68 VALIANT - Best offer. Write to Lazareth, Bldg. 129.

74 KAWASAKI 750 CC - Excel cond, 3,000 mi, sissy bar & pad, cruising bar. \$1500. Edwards, Ext. 4027.

2 SNOW TIRES - Goodyear A79-13, good cond. Carol, Ext. 2345, 744-8478.

77 MONTE CARLO - Asking \$6000. 399-1570 after 5.

Boats & Marine Supplies

37' EGG HARBOR - SF 63, fresh water cooled, (2) 225 hp greys, enclosed Bimini fly bridge, 2 depth finders, sleeps 6, fully equipped, mint cond. 475-8620.

SUN FISH - Mint cond, only used a few times w/ Highlander tilt frame trailer. Jo Evan, Ext. 4321, 286-2247 after 6.

PLYWOOD DINGHY - Good cond, needs a coat of paint. \$75. Ext. 3593.

21' SKIFF - 200 hp fresh water cooled, make offer. Ron, Ext. 4082, 289-1003.

22' GARVEY - Decked over w/1975 50 hp Merc, good cond, will sell separately. \$1300. 286-8517.

GAS TANK - Mercury 6 gallons. \$5. Walt Chornoma, Ext. 3254.

26' LUHRS SEA SKIFF - FB, 225 FW cooled Chrysler 1973, head, galley, sleeps 2, complete summer & winter canvas. \$2500 firm. John, Ext. 4666, 324-0220 after 6.

19' LIGHTNING - Sailboat, 2 sets of sails, spinnaker, 3 hp outboard. \$550. 878-2810.

Miscellaneous

SKI PACKAGE - Hart Gremlin w/Salamon 101 bindings & Nordica boots size 8 1/2. \$75; ski pants, size 12, very good cond. \$4. 475-7241 after 5.

SKI EQUIPMENT - 180 cm Lesabre skis, Cubco bindings & Kombi 9M boots; Henke 8N, Lang 5 1/2N boots; A&T ski poles; A&T 170 cm St. Moritz skis. 286-0377 after 6.

SANDING BELTS - 3"x23 3/4", 40, 80, 120 grit, 47 belts. \$40. Walt Chornoma, Ext. 3254.

22" B&W TV - RCA console, 2 speakers, new cond. Ext. 3392, 475-8330.

DOUBLE RECLINER - Light green, almost new. \$85. 475-1485 eves.

ENGLISH POINTER - Fully broken, points, backs & retrieves. 924-8547 after 6.

WINTER COATS - Girl's size 7, 2 midi style, plaid, like new. \$15 each. 588-0068.

ANTIQUERADIO - Orig cond, plays, box of new spare tubes. \$75 firm. Walt, Ext. 4514.

LAWN SWEEPER - Craftsman 36". \$20. R. Skelton, Ext. 3463/2006.

CAMERA - Collector's item, 1910 Kodak pocket Promo "C", 3x4 film pack, excel bellows, metal tripod. \$50. 475-6708.

MINI BIKE - 4 hp, front & back shocks, double hand brakes, chrome fenders, heavy chain, good rubber, clean, good cond. \$150. 289-0399.

GIRL'S CLOTHES - Size 8, lovely all-weather coat, zip-out lining, navy blue, 3 pairs new slacks, shirts, green skirt. \$25. 286-8805 eves.

BOW & ARROW SET - Little Bear w/20 lb laminated bow, 6 arrows, quiver arm guard. 924-5329.

PACK & FRAME - Boy Scout, hip strap, \$15; Yucca pack & L-frame, \$12 or \$25 for both. 589-2470.

RIFLE - WWII German G-43, semi-automatic BMM, 3 extra magazines & 30 rounds ammo in leather pouch. \$140. 475-6708.

DESK/BOOKSHELF - Combination, wall hung. \$25. Ext. 2041.

SINGLE BED - Mahogany & box spring, \$125. 473-5585.

PORTABLE B&W TV - 19" Panasonic, in carton. 325-1961, Ext. 3148.

LEAF SHREDDER & BAGGER - 5 hp Sears, like new. \$160. Jean, 727-0063 after 5.

CAR SEATS - Children's, 2-Ford tot-guard. \$20 each. Ext. 4362, 744-7667.

CHAFING DISH - In perfect cond for gift, \$15; clam net, \$2; feeder hose, \$3. Ext. 4156.

MAGNETIC CARTRIDGE - Shure supertrack type II, very good cond. \$40. Hans, Ext. 4581, 281-5563.

BICYCLE - Motobecane, 10 spd, hardly used. \$180. H. Atkins, Ext. 3590.

BOILER - Mueller gravity hot air, 65,000 btu, natural gas. John, Ext. 2501.

MEN'S HOCKEY SKATES - Size 10, black, like new. Peter, 475-9260 after 6.

PACHYSANDRA - Good ground cover, 55 plants for \$4. Peter, Ext. 2540.

ROLLEI 110 - W/case, chair & flash adapter, almost new, very reasonable. Ext. 3120.

AQUARIUM FILTERS - 2 Dyna flo 410, each up to 20 gal tank, excel cond. 589-1069 after 6.

WINTER COAT - New, never worn, black Borgana w/gray collar, cuffs, borderline hem, size 16. \$90. Jeanne Weber, Ext. 2003, 472-0086 after 4.

BEDRM SET - Complete Mediterranean, like new, best offer. 399-1349 after 3.

BEDRM SET - Antique, \$225; antique tapestry bedspread, \$40; antique table, small, \$20; antique coat stand, \$15. Linda, Ext. 3381, 878-4077 after 6.

4' CACTUS - \$15; elec can opener/knife sharpener, \$6; child's skis & bamboo poles, \$10. Linda, Ext. 3381, 878-4077 after 6.

SKI BOOTS - Men's size 11M, \$30, mint cond. 473-0744.

ADDING MACHINE - Budget Master, \$40; portable typewriter, Columbia, new, \$35. Sauter, 727-0204.

LADIES BOWLING BALL & BAG - Green 10 pounder, hardly used. \$15. Ext. 3816, 654-0796 after 5.

COMICS - Marvel & others, most less than 3 yrs old. Reasonable prices. Tom, Ext. 2902.

ICE SKATES - Men's hockey, size 9, men's figure size 10, like new. Reasonable. Eileen, 473-7906.

MICROSCOPE - Excel cond, good for student, cost \$40 new, selling for \$25. Eileen, 473-7906.

WINTER COAT - New black Borgana w/gray trim, size 16. \$90. Jeanne Weber, Ext. 2003, 472-0086 after 4.

PRIDE DB 20 - Receiver preamp, 12V mobile or 115V base, 20 DB gain on CB, new in carton. Al Campbell, Ext. 3354.

ANTENNA - Hy-gain 270 fiberglass 2 meter antenna w/18' Coax & PL 259 for mobile or base. Al Campbell, Ext. 3354.

TR-72 DRAKE - 2 meter mobile xceiver, hi/lo output, touch-tone pad & 21 pairs of trans/rec crystals. Al Campbell, Ext. 3354.

CLEGG - 2 meter mobile xceiver Mark III, new in carton, 15 watt or 1 watt w/5 sets crystals. Al Campbell, Ext. 3354.

DRUM SET - Ludwig w/Hi Hat cymbals in very, very good cond. \$300 or best offer. Mike, 878-2486.

DINETTE SET - 4" round wooden wrought iron w/5 vinyl swivel chairs. \$200. Ext. 2016, 286-0716.

DROP LEAF TABLE - Chippendale style, 42" wide w/3 leaves & pads, opens to seat 14. Joan, Ext. 2016, 286-0716.

ANTIQUES - Picture frames, mirrors, tables, dry sink & more. Joan, Ext. 2016, 286-0716 after 6.

MISC HOUSEHOLD ITEMS - & furniture, bunk beds, dressers (4), book cases, beds & what have you. Joan, Ext. 2016, 286-0716 after 6.

15" BICYCLE - W/training wheels, used but otherwise okay. \$8.50. Ext. 4395, 653-4195.

ATTENTION ARTISTS - New canvases, asst sizes. Ext. 3609/4172.

DRIVEWAY SALE - Sat only, 11/6, west of 112, Medford, 3 families.

DINETTE SET - \$15; mahogany dresser, \$20; lawn mower, \$15; odds & ends, Europe bound. 289-7804.

FISH TANK - 30 gal, 113 liter, stand & accessories w/ large fish. \$40. 289-7804.

WASHING MACHINE - J.C. Penny, 6 months old. \$150; Whirlpool gas dryer, \$20. 289-7804.

REFRIG/FREEZER - Suitable for ceramic/pottery storage or tinkering. \$5. Ext. 4395, 653-4195.

Ads left out of this issue because of lack of space need not be re-submitted in order to run in next week's issue

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

160 ACRES - Cooperstown, bldgs, elec, water, road frontage. \$80,000. Ext. 3688.

E PATCHOGUE - Sale or rent, custom 3 bedrm, brick front ranch, hardwood floors, full basement, 1/4 acre corner, quiet street. 286-8850, 286-2346.

SHOREHAM - 4 bedrm contemporary, 2 1/2 baths, full basement, balcony w/water view, treed 3/4 acre, beach rights. \$65,000. 744-2268 after 5:30.

SETAUKET - 4 bedrm colonial, 2 1/2 baths, must see. \$53,000. 751-8918 after 5:30.

MASTIC - 3 bedrm ranch, near Lab, carpeting, appl, 100x150 fenced yard, full basement. \$29,000. Ext. 2042, 399-0374 after 5:30.

MASSAPEQUA - 100x100 corner waterfront plot, bulkheaded, dead-end st, all util in street, garage, driveway, cesspool, trees, shrubs. 727-7769.

N PATCHOGUE - 3 bedrm ranch, fireplace, w/w carpet, all appl, full basement, 18 months old, asking \$36,000. 654-1844 after 5.

SAYVILLE - Residential bldg lot, 160' road frontage. \$9500. 289-0413.

SELDEN - 4 bedrm ranch, 1 1/2 baths, eat-in-kitchen, formal dining, family rm, basement, carpeted. Asking \$37,500, must be seen. 732-2720.

PATCHOGUE VILLAGE - 3 bedrm ranch, attic, basement, garage, \$34,000. Ext. 2290, 475-7694.

HOLBROOK - 2 level condominium, w/w carpeting, appl, extras. \$30,500. 732-5711.

For Rent

VERMONT VACATION - 3 bedrm mobile home w/fp, located on 10 acres, 10 min from Okema Mt, close proximity to 7 other ski areas, avail weekly or week-ends. 473-8186 after 6.

FURN RM - Use of kitchen & laundry, util incl, 15 min to Lab. \$40/wk. Jack, Ext. 4255, 289-6708.

BROOKHAVEN HAMLET - Apt in older country home, large living rm, kitchenette, bedrm bath, furnished, util incl, mature adults preferred. 286-0129.

JORAM - New 4 bedrm furn house, all appl, avail Jan 15 - Sept 1977. Ext. 3792, 928-5585.

PATCHOGUE - 2 bedrm, kitchen, living rm, bath, couple preferred, no pets. \$250/mo incl heat, near Great South Bay. Immed occupancy. Walt, Ext. 2907, 698-0576.

BELLPORT - Spacious furn rm w/priv entrance & bath, limited kitchen privileges, linens provided. \$150/month, all util incl. 286-1688.

PATCHOGUE - 4 1/2 rm apt, \$250/month, heat & water incl. 475-4885.

VERMONT - Ski, Bromely, Magic, Stratton, x-country, ski on grounds, beautiful furn chalet, stone fp, week-end, weekly & share season rates. 757-5599.

HOUSE FOR RENT - 3 bedrms, basement, near Wm Floyd Pkwy & Sunrise. \$250. 281-0818 after 6.

N SHIRLEY - 2 brand new 3 bedrm apts, 1 for single male to be shared w/owner, other w/6 month lease or 1 yr. \$350/mo plus util. Alvin Kanofsky, Ext. 3857.

Wanted

IGO PLAYER - Japanese black & white stone game, beginner, welcome. Hidehiko, Ext. 3379, 3032 home.

METRONOME - In working cond. 286-0241.

HUMIDIFIER - Ed Kaplan, 751-1474.

2 SNOW TIRES & RIMS - 5.60x15, used for VW bug. Bhatt, Ext. 2966.

BROWNIE UNIFORM - Size 7 or 8. Ext. 3816, 654-0796 after 5.

20" BIKE - Wheels or rims, front or rear, one or 2 for garden cart replacement. Ext. 4058, 286-0436.

SLEDGEHAMMER - Wedges, splitting maul. Foley, Ext. 3943.

GATE - For 4' cyclone fence. Andy, 281-8274.

HOME FOR KITTENS - Long hair & short hair, males & females. 751-0023.

STORM WINDOWS - 48x15 (1); 24x51 (2); 36x47 (2). Pearl, 744-3807.

DIVERS - Meeting at Cafeteria on Nov 17, noon to 1. Ext. 3168.

TIRE - 8.55x14. Tony, Ext. 3658.

CUB SCOUT UNIFORM - Size 10, reasonable. Roch-alle, Ext. 3438, 698-8860.

FAVORITE HOLIDAY RECIPE - And you for the Cooking Exchange on Nov 24th. Volunteer your specialty. Judy Mills, 281-4472.

HANDBALL, RACKETBALL, PADDLE BALL - Players. Harvey, Ext. 3995, Vinnie Castellano, 281-7441, 9-5.

35 MM CAMERA - For astrophotography w/cloth focal plane shutter, self-timer, exposure meter, adapter. Bill, Ext. 3933.

WHEELS - 15" for Chevy van. 732-4068.

EXERCISE BIKE - Sturdy, 588-5833.

2 BEDRM HOUSE - Young couple w/child, reasonable rent, near Lab, Dec or Jan. 475-3506.

BUNK BEDS - Good cond. Ext. 2982, 878-1514 after 5.

GOOD HOME - For Schnauser mix, free. Lloyd, Ext. 3381, 286-1024.

PIANO - Used upright. Bev, Ext. 2347, 929-8313.