



BROOKHAVEN BULLETIN

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June 19, 1969

AUI Audit Reins To F. Federmann

Franklin H. Federmann, Senior AUI Auditor, will become Chief Internal Auditor of AUI starting July 1. Federmann will replace Leon Meshel, who is leaving to become Controller of the Applied Digital Data Systems of Hauppauge, N.Y.



Federmann, a certified public accountant, has been with AUI since February of 1969, when he first started working at BNL. He received his degree in accounting from Brooklyn College in 1964, and is presently doing graduate work at C.W. Post. He is a member of the American Institute of Certified Public Accountants and of the New York State Society of Certified Public Accountants.

Frank Federmann and his wife, Rochelle live in Strathmore East, Coram, with their two-year-old daughter Barbara, Jill.



Leon Meshel had been with AUI since 1963 as senior auditor, and since 1964 as Chief Internal Auditor. While at BNL he served as guest lecturer in the finance division of the American Management Association, and was originator of the *Dollars and Sense* column of the *Brookhaven Bulletin*.

Norb Dernbach Named To AEC Advisory Unit

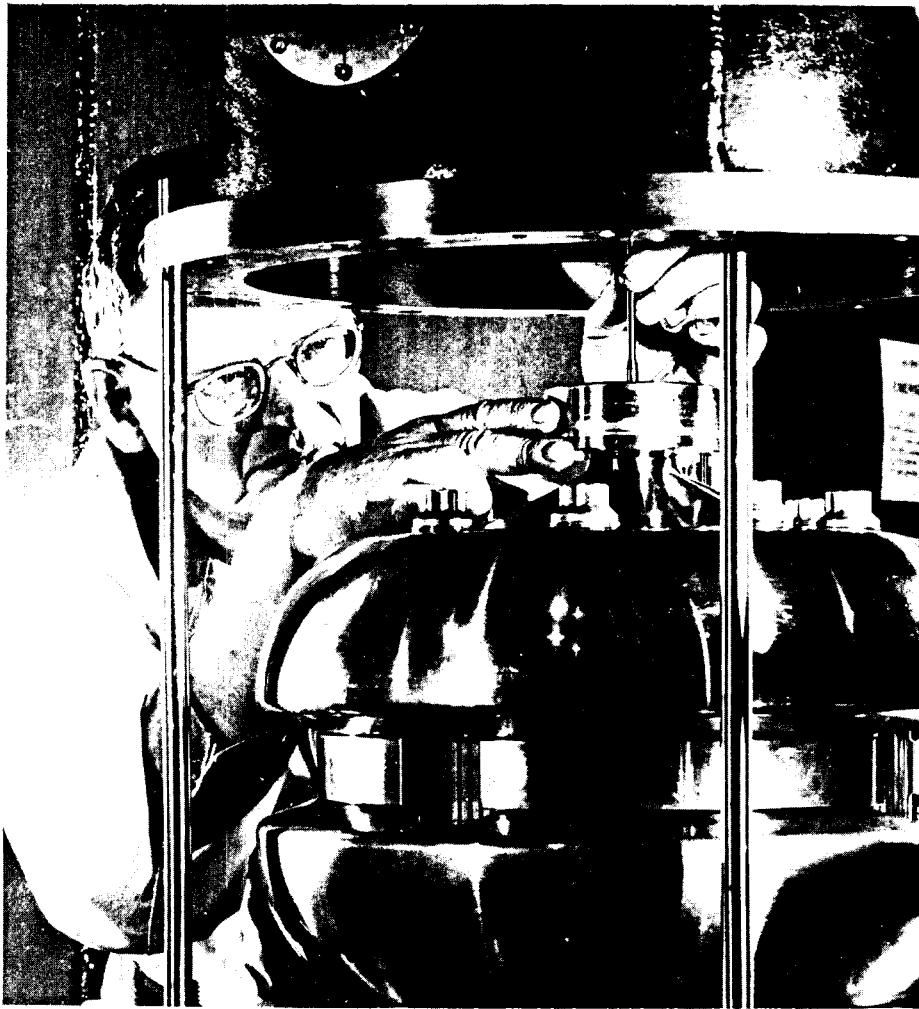
Norbert Dernbach, Public Relations Officer of BNL has been named to the newly formed AEC Committee on Public Information.

The committee, which was formed at the request of the Commission by John Harris, Director of the Division of Public Information of the AEC, will consist of eight members who will advise and assist the AEC in meeting various problems that arise from time to time in public relations and information.

Five of the members will be from contractor organizations of the AEC and three from AEC field offices. Chairman of the Committee will be Elmer Rylander of Argonne National Laboratory.

Other members of the Committee are: Gus Robinson, Savannah River Operations Office; Milton Cydell, Richland Operations Office; Dale Cook, San Francisco Operations Office; Harvey Cobert, Union Carbide (ORNL); Max Linn, Sandia Corporation and Dan Wilkes, Lawrence Radiation Lab. Ed Stokely of the Division of Public Information will act as Executive Secretary of the Committee.

Fast Chopper Has Third Birthday



Fred Paffrath, Physics, is checking the condition of the shaft of the rotor of the Fast Neutron Chopper at the HFBR. The slender piece of steel, only 3/16-in. diameter supports the 650 pound rotor beneath it that spins at 10,000 rpm. This machine was first used in neutron physics experiments on June 7, 1966. It has run continuously since then with only occasional shutdowns for routine maintenance. —Rosen

Premiums Eliminated On Medical Insurance For Lab Employees

Group Medical Insurance will be provided at no cost to all employees, whether active or retired, beginning July 1, 1969. Every member of the BNL Staff who is now enrolled in the Medical Insurance Plan will save a minimum of \$29.64 each year as a result of this change.

In addition, two other important premium changes are taking place July 1—*First*, the extra premium currently charged for each dependent student over age 19 will be eliminated. This will mean an additional \$29.64 saving each year for each such dependent. *Second*, as an additional benefit to retired employees, medical insurance coverage will be provided at no cost for all spouses aged 65 and over. The premium for this coverage is currently \$24.00 per year.

The table below shows the premiums currently charged and the new rates for July 1. The reduced premiums will be reflected in checks received by weekly employees on July 10, and in checks received by monthly employees on July 31.

Persons Insured	Current Rate		New Rate	
	Wk.	Mo.	Wk.	Mo.
Employee Only	\$.57	\$ 2.47	\$ —	\$ —
One Dependent	1.33	5.66	.74	3.19
Family	1.92	8.32	1.35	5.85
Each Student Aged 19 or More	.57	2.47	—	—

Even though an extra premium will no longer be charged for dependent students, it will be necessary for employees to enroll each student by making application at Personnel Services.

Employees who are not currently enrolled in the Medical Insurance Plan but who would like to participate after July 1, will be required to prove insurability for themselves and their family members before being accepted for coverage.

Further information regarding the new medical insurance premiums may be obtained at Personnel Services, Extension 2106.

New Chairman and Three New Members For Advisory Group

George Bryant of Central Shops has been named Chairman of the Affirmative Action Advisory Committee. His appointment is effective July 1, 1969; and he replaces Harold Avent of the Physics Department who has been Chairman for the past year.



Harold Avent

The AAAC is responsible for evaluating the Laboratory's affirmative action program and advising the Laboratory Director as to its effectiveness.

Three new members, Jack Cusack, DAS, Charles Pretlow, Accelerator, and Harry Palevsky, Physics, have been named to replace retiring members Walt Milian, Plant Engineering and Planning, Louis Remsberg, Chemistry, and Harold Avent.

Continuing to serve on the committee are Margaret Hind, Applied Math., Paul Kelly, Plant Engineering and Planning, and Ella McLean, Photography.

The June meeting of the A³ Committee will be a dinner meeting at the Brookhaven Center on June 24, serving as a welcome to the new members and a farewell to the retiring members.

IBEW To Meet

The next General meeting of Local 2230, IBEW, will be held Thursday evening, June 26, 1969 at the Knights of Columbus Hall in Patchogue at 8 p.m. The agenda will consist of General Business plus reports of the Committees.

Stang Gets Award From Nuclear Group

Louis G. Stang, DAS, was presented Tuesday with a Distinguished Service Award from the American Nuclear Society. The award was "bestowed this year upon Louis G. Stang, Jr. for his effective, diligent, efficient, and successful service as the editor of *Nuclear Applications* since its inception in February 1965. By his example and work he has continuously developed the excellence of this archival publication. His energy and unselfish devotion have made *Nuclear Applications* a journal which has added greatly to the scientific literature and to the prestige of the Society."

Stang is the sole inventor of a remotely operated chemical processing vessel sometimes referred to as "Stang reactor" and he is co-inventor of the original iodine-132 "generator" which was the forerunner of the various short-lived radioisotope "milk-ing" devices now available from Brookhaven National Lab.



He was editorial coordinator of the book "Hot Laboratory Equipment" published by the USAEC in 1958. Over the past 20 years he has authored or co-authored more than 50 publications.

The American Nuclear Society is a non-profit international scientific, engineering and educational organization which was founded in 1954. It regularly sponsors meetings where research papers are presented and it publishes these and similar papers in its several journals. Its more than 750 members include research scientists and engineers, corporation executives, university professors, physicians, students and persons in public office.

Former Technician In Chemistry Wins AEC Scholarship

Richard Brown, formerly a technician in the Chemistry Department, and now a research technician in Mechanical Engineering at Lawrence Radiation Laboratory in Berkeley, has been announced as winner of one of the coveted AEC Technical Scholarships.

Brown spent 12 years at Brookhaven National Laboratory before joining LRL's Mechanical Engineering Division in 1968. While at Brookhaven, he helped to design and build a wide variety of equipment for basic research, including detectors, control systems, electro-mechanical systems, vacuum systems, and cryogenic systems.

His work at Brookhaven has been acknowledged in several technical papers. Since joining LRL last year, he has worked in the superconductivity group, where his job has involved the fabrication and testing of superconducting coils.

While at Brookhaven Laboratory, he participated in a number of community activities, including the Community Service School of Bay Shore and Brentwood, of which he was a co-founder. His goal is a degree in mechanical engineering; he has already taken a number of courses toward this end, at Hofstra University, (New York), Suffolk County Community College, and UC Extension. Dick is the father of five children.

The oldest, Richard Jr., is currently attending Fredonia University, New York; the four younger ones, Teresa, Michael, David, and Lisa, make their home with Dick in Richmond, California.

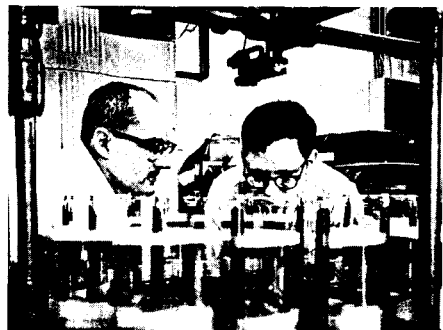
Summer Session At BNL Begins



Thomas Rescigno, Columbia College, totes his bag and books into the Men's Residence for the Summer Semester at BNL.



Joseph Ash, Queens College, gets a tour of Health Physics from Dr. John Baum (center) as Alan Kuehner (right) explains equipment.



Richard Britton, Accelerator, orients Michael Lotker of Queens College in the area he will work during the summer.



Joseph Reednick, Philadelphia College of Pharmacy and Science, gets acquainted with Dr. Y.Y. Chu (right) of the BNL Chemistry Department.



Anne Jones, Cassandra Jackson both of Tougaloo and Gloria Kennedy of Grambling, walk over familiar ground as they return to Brookhaven for the summer. The three girls were students during the first session of the Brookhaven Semester which ended last January. —Humphrey

Postal Hours

The U.S. Post Office on site will be open on Thursday, July 3, from 8:15 a.m. to 3 p.m. The Office will be closed all day Friday, July 4. The regular schedule will be resumed on Monday, July 7.

Fitter Takes A Holiday

The Safety Shoe Fitter serving the Safety Equipment Room will be on vacation on June 23 and 26. No safety shoes will be issued during this time. Regular service will resume on June 30.

Here and There
Dolores del Castillo

W. Bishop, C. Foelix, L. Gemmell, A. Hull, A. Kuehner, C. Meinhold and L. Phillips (Health Physics) attended the annual meeting of the Health Physics Society at Pittsburgh, June 8-12. William Bishop presented a paper entitled "Valuable Accelerator and Metals Components-A Utilization Problem."

Joe Rose (PEP) received a MS in Engineering Management from Long Island University on June 11.

John C. Chen (DAS) attended the Cryogenic Engineering Conference held in Los Angeles, June 16-18. He chaired a seminar on Two Phase Flow.

John G. Zahra (S&M) wishes to thank his many friends for their cards and visits during his recent confinement at St. Charles Hospital. John expects to be away from BNL for some time yet, but he is making a good recovery.

A.P. Wolf (Chemistry) has accepted an invitation from the Italian National Research Council to help evaluate and make recommendations regarding certain of their programs relating to nuclear and isotope chemistry.

Wolf also accepted an invitation to serve as an Associate Editor of Radiochemical and Radioanalytic Letters.

Nils Erickson (Chemistry) gave a paper at the Mid-America Symposium on Spectroscopy held in Chicago. The paper was entitled "Mössbauer Studies of Tin Compounds with Quadrupole Splittings in Externally Applied Magnetic Fields."

A.O. Allen (Chemistry) presented a paper on "Radiolysis of Adsorbed Molecules and Energy Transfer Mechanisms" at the recent Conference on ESR in Radiation Chemistry held in Chalk River, Canada.

Jack Chernick (DAS) has been elected to the Board of Directors of the American Nuclear Society. He will take office at the 15th Annual meeting of the Society to be held in Seattle, Washington.

BNL Gets New Number

BNL's FTS Identification Code will be changed to X6-89-52, effective July 1, 1969.

The GSA (General Services Administration) operators will not complete any FTS calls to or from OFF-NET-LOCATIONS unless the caller furnishes the following information:

- Name
 - Identification Code
 - The called number
 - Confirmation that the call is official
- and
- Notification of travel status.
- The new Code number will appear inside the front cover of the new BNL Telephone Directory and should be noted on FTS Authorization Cards.

USNR Research Co. 3-9
Brookhaven National Laboratory
Upton, New York YA4-6262, Ext. 2910

- Drill Schedule**
- For Quarter Ending September 30, 1969
- 9 July
Lunar Landing/Project Apollo (film)
James Walker, Lt., USNR
Grumman Corporation
 - 16 July
The Future of High Energy Physics (film)
Dr. S. J. Lindenbaum
BNL
 - 13 August
Graduate Medical Education in the Navy
George Reifstein, ADM, MC, USNR
National Naval Medical Center,
Washington, DC
 - 20 August
Electric and Magnetic Fields
of Waterspouts (film)
John J. Mooney, Lt., USNR
Grumman Corporation
 - 10 September
Molecular Storage of Biological Information
Dr. Leonard Hamilton
BNL
Uniform Drill
 - 17 September
Managing the Long Island Water Table
Dr. J.M. Dwyer
C.W. Post College

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CARL R. THIEN, Editor
DOLORES DEL CASTILLO, Editorial Assistant
CLAIRE LAMBERTI, Copy Preparation

40 Brookhaven Ave. Upton, N.Y. 11973
Telephone 516 924-6262 Ext. 7238

NORBERT J. DERNBACH
Public Relations Officer

Hansteen To Retire

Henry B. Hansteen, Senior Engineer in Plant Engineering and Planning, will retire June 30, 1969.



A graduate of Polytechnic Institute of Brooklyn, Dr. Hansteen received an MA in Physics from Columbia in 1929, and a PhD in Nuclear Physics from Columbia in 1942. He was a Professor of Electrical Engineering at Cornell

University from 1936 to 1950 when he joined the faculty of City College of New York in the same capacity. He remained at CCNY until September of 1967. During 1960-63, he was on leave from CCNY, serving with the International Atomic Energy Headquarters in Vienna.

Dr. Hansteen joined the staff of BNL in September, 1967. However, he has long been associated with BNL, having served as a consultant since 1948.

Arrivals & Departures

- Arrivals**
- Thomas W. Glover..... Accelerator
 - Bette A. McAteer..... DAS
 - Frank J. Pachinger..... Central Shop
- Departures**
- Theodore Chase Jr. Biology
 - Toni E. Marlowe..... Physics
 - Richard L. Murgatroyd..... PEP

French Group

The next meeting of the French Group at BNL will take place at 8:30 p.m. on Monday, June 30, at the Conference Center. A donation of one dollar will be asked of each person attending the meeting.

Hospitality News

The next regular Hospitality Committee coffee meeting will be held on Monday, June 23, from 10 a.m. until noon in the Apartment Area Recreation Building. Everyone is welcome - bring the children. Don't miss this opportunity to meet and welcome our summer visitors who will be with us for such a short time.

Service Awards - June 1969

- Twenty Year**
- Desmond, John M. Accelerator
 - Horn, Frederick L. DAS
 - Humm, Arthur F. Jr. I & HP
 - Reilly, Edward G. Physics
 - Rogers, Edwin J. I & HP
 - Sunyar, Andrew W. Physics
 - Tuthill, William A. I & HP
 - Waski, Stephen Staff Svcs.
 - Zeidler, Lois N. Fiscal
- Ten Year**
- Bamberger, Joseph A. Mech. Eng.
 - Borner, Gerd Medical
 - Carsten, Arland L. Medical
 - Cherubini, Helen Director's
 - Culwick, Bernard B. Physics
 - Eichacker, James C. DAS
 - Janes, Marion D. I & HP
 - Kevey, Andrew Mech. Eng.
 - Kiesling, Alice A. Medical
 - Kistner, Ottmar C. Physics
 - Kycia, Thaddeus F. Physics
 - Ozaki, Satoshi Physics
 - Rutherford, James E. DAS
 - Singer, Robert M. DAS
 - Wisnoski, Helen R. Information

Stellar Clouds Yield Clues To Origin Of Sun, Moon and Stars

The presence of formaldehyde in several cold dark clouds somewhat separated from the plane of the galaxy has been discovered by a group of radio astronomers using the 140-ft radio telescope at the National Radio Astronomy Observatory.

These clouds of hydrogen, dust, and OH reported several years ago by Dr. Carl Heiles of the University of California at Berkeley, have excitation temperatures of from five to 10 degrees Kelvin (K). Due to some very peculiar circumstances, the formaldehyde is seen as an absorption line in these clouds.

For these unusual formaldehyde absorption lines, the source of the faint diffuse radiation appears to be the three degree background radiation, which is presumed to be the remnant of the radiation from the original fire ball that created the universe.

The scientists find this perplexing situation very difficult to explain because there is no background source behind these clouds, a condition considered necessary for the presence of an absorption line. Previous observations of formaldehyde have always shown absorption lines against known galactic radio sources. Hence, without any detectable background source to illuminate the cloud, it is difficult to determine where the radiation is coming from that is being absorbed. The difficulty is equivalent to the problem of seeing on a very dark night, which still requires the presence of very faint diffuse light to enable us to distinguish objects.

Dr. Patrick Palmer of the University of Chicago, Dr. Benjamin Zuckerman of the University of Maryland, and Drs. David Buhl and Lewis E. Snyder of the National Radio Astronomy Observatory report their observations of the dark clouds in the June issue of the *Astrophysical Journal Letters*.

Essentially the formaldehyde clouds appear as dark patches in the faintly glowing sky. This idea (or explanation) supposes that the radiation temperature of the formaldehyde molecules has been reduced below three degrees K by some non-thermal process. Hence the cloud will absorb energy out of the three degree background radiation at the 4830 MHz frequency of formaldehyde. This explanation is the reverse of the maser process which has often been used to explain the intense emission from OH and water clouds in the galaxy.

The original discovery of clouds of formaldehyde (an organic molecule with a formula of H₂C₂O) in many parts of our galaxy was made in March, 1969, by the same group of four astronomers, using the 140-ft telescope at the NRAO. This discovery was important in providing new knowledge about the chemical evolution of the interstellar medium of gas and dust which has long been a puzzle to astronomers.

The existence of dark dusty patches in the galaxy has been known for some time. Scientists have often speculated about dark clouds of complex molecules but observational evidence for the existence of complex molecules in these clouds is quite recent. The observations made at the National Radio Astronomy Observatory suggest that the chemical evolution of such clouds may be in a very advanced state. It is expected that future observations of other molecular lines will shed more light on the fascinating subject of the chemical evolution of our galaxy and its relation to the origin of life.

Play Session Registration

The Recreation Section will conduct an on-site athletic play session again this year. This program consists of a daily morning recreation period from 9:00 to 11:30 a.m. The program provides experienced supervision and instruction in competitive sports, games and skills. Many special events are scheduled both in the mornings and evenings to give parents an opportunity to see and join their children in the summer fun.

Children must be five years of age to participate. Registration applications, accompanied by a \$7.50 fee per child, are now being taken at the Recreation Office. T-shirts will be given to each child enrolled in the program. Teenagers are encouraged to join us.

Softball

Tom Lee

Brookhaven League

Blue Jays	6-1*
Old Timers	3-3
Batmen	3-3
Makeups	2-9
Dirty Sox	2-5

Blue Jays clinched first place for the first half with a 9-3 win over the Old Timers. T. Prach had perfect night with two doubles, a grand slam HR, and a walk. (Now really Tom!) Young Steve Garrett pitched another good game with the Birds giving him fine defensive play again.

The Dirty Sox dropped two games, one to the Batmen 9-6 (R. Atkins HR'ed for Batmen), and one to the Makeups 15-11.

National League

S&M	6-0*
Potsareebies	5-1
AMD	4-1
Bubble Boys	3-3
Metallurgy	2-3
Rat Pack	2-4
Six Pax	1-5
Phoubars	0-5

*Clinched tie for first place.

S&M continued their fine play this week with a 14-4 victory over the Six Pax. HR for B. Hannel, M. Gerocano 2-2 and S. Mars 3-4.

Potsareebies stayed in contention with a 6-5, came from behind to out rally in the 7th inning, D. Leaky driving in tying and winning runs.

AMD won another 14-4 over Bubble Boys.

Rat Pack 10 - Phoubars 5.

The big question - Can AMD stop the S&M machine???

Laboratory League

Deadwoods	5-0
Bio-Meds	5-1
Mets	3-2
Chemistry	2-4
Converts	1-6
Charlie Browns	1-6

The big news around the Laboratory League was both the Charlie Browns and the Converts winning (they beat each other) in a double header that could have moved either team out of the cellar. They split and remained "status quo." A great call on the coin toss to see which team would be home in first game was made by the C.B.'s when they called for the coin to land on its side. It did! The first game was a real pitcher's duel with Converts winning 35-20. But, the Charlie Browns came back in the second game with a 17-9 win.

The Deadwoods remained on top with a 16-7 win over Chemistry.

Bio-Meds 5 - Mets 3. D. Roffing HR'ed.

In this League, another question - Can the Mets stop the Deadwoods? They have a double header this week.

Pool Summer Schedule

On Monday, June 16th, the following Swimming Pool Schedule went into effect and will continue through July 7th:

Open Monday through Friday

12:00 noon - 1:00 p.m.	- Employees
1:00 p.m. - 9:30 p.m.	- Employees, Family, Guests

Beginning July 7th, the following schedule will go into effect:

Open Monday through Friday

12:00 noon - 1:00 p.m.	- Employees
1:00 p.m. - 2:30 p.m.	- Children's Swimming Lessons
2:30 p.m. - 9:30 p.m.	- Employees, Family, Guests

Summer Season Tickets

(June 16 through August 29)	
Employee	\$ 5.00
Family	10.00

Tickets will be on sale at the Pool Office.

Daily Admission Rates

(Effective July 1)	
Employee	\$.50
Family Member	.50
Guest	.75

Parents should bring children to the Pool no earlier than 15 minutes before scheduled admission time. Children are to remain in the designated waiting area near the Pool's entrance until the Pool opens for them and again when waiting to be picked up by parents. The Gymnasium will not be available for this purpose.

Ve Get To Know Vot Goot Is!!

On this past Memorial Day weekend, the Brookhaven Family Camping Club journeyed to the Land of the Pennsylvania Dutch of Sharletsville, Pennsylvania.

Twenty-two BNL families braved the L.I.E. on Thursday the 29th of May, and slowly threaded their way into the rolling hillsides of Pennsylvania.



The campsite was one of the finest the Club has ever visited. During the next two days, Club members toured the surrounding countryside and sampled the local color. All diets were either cancelled or filed under "wait until Monday." On Sunday, most of the Club returned home - tired, happy and about 10 pounds heavier than when they left.

Thanks are due to Betsy and Leo Fulhaber for their fine job as Wagon Masters for this trip.

BERA Golf

The first nine hole tournament on the Dogwood Course at Middle Island was won by Joe Abata with a low gross of 43. An easy bird on the tough par five, eighth hole was the highlight of Joe's round. Low net (33) was shared by Joe Abata and Frank Campbell.

The second tournament, played on the front nine at Spring Lake, was won by Joe Cardamone with a 41. Joe parred six of the last seven holes to wrap this one up. Low net (31) was taken by George Starke.

The third tournament, played on the Spruce Course at Middle Island, was won by Joe Cardamone with a one under par 35. Joe's card showed three birds and he was so hot that on the fifth hole he chipped one in the cup on a fly from a sand trap! Joe shared low net (31) with Bill Keating and Jim Morris.

The League standings as of June 9th of the top eight teams are as follows:

1st	F. Campbell and J. Niegocki
2nd	P. Einfeldt and J. Mayeski
3rd	A. Carsten and D. Joel
4th	L. Baker and P. Webster
5th	R. Hildenbrand and G. Stark
6th	M. Iarocci and J. Morris
7th	M. Caunter and T. Iarocci
8th	J. Conway and A. Wirszyla

The BGA Open starts this week and this match play tournament along with the medal play BGA Championship make up the two big tournaments of the season. Defending Open Champion Joe Abata had to go extra holes to beat George Korhut last year and this year's field should produce an equally exciting finish.

The next nine hole tournament will be on June 25th on the back nine at Spring Lake. The tournament will feature a longest drive contest on the 18th hole and there will be a buffet following.

Tournament Chairman, Bob Caisey, must know by Friday, June 20th who plans to attend the buffet so proper arrangements can be made.

Trophies for the winners of the first four tournaments will also be awarded at this time, so let's have a 100%.

Swimming Classes

There is still plenty of room in this year's swimming program. All laboratory employees are encouraged to register their children for lessons. Classes will be arranged so that only one classification will be scheduled for instruction each day. The swimming instructions will be given by certified Red Cross Instructors. The lessons will begin on July 7th and continue for seven weeks.

Applications are now being taken at the Recreation Office. Deadline date is June 25th or sooner if the class maximum (50) is reached.

Holiday Schedule

The Brookhaven Center will be closed on Thursday, Friday and Saturday, July 3, 4, and 5. It will reopen for dinner on Sunday, July 6.

At the Cafeteria, only the Snack Bar will be open on each of these days. Snack Bar hours are from 9 a.m. to 2 p.m.

The food vending machines in Bldg. 912 will be in operation throughout the holidays.

Soccer

Physics & Applied Science - 1
The Rest - 2

Two goals by The Rest, one scored two minutes before the end, the other two minutes before the end, were too much for Physics & Applied Science, whose reply came half a minute after time.

The first full practice game provided a close match and good entertainment on a fine evening, Monday 9th June.

Next week: The Americans v. Europe. Practice games every Monday - 5:30, No. 3 Softball Pitch. —M.T. Hutchings

Personnel Services

At the Recreation Office

Open Daily 9:00 a.m. to 1:00 p.m.

Theatre Tickets - Theatre tickets to certain shows may be purchased at a 20% discount. Schedules and prices are posted in the Office. All orders must be placed in person and accompanied by a check or money order (no cash will be accepted).

Westbury Music Fair -

June 24-29 - Jose Feliciano & the New Christy Minstrels.

July 1-6 - "Hello Sucker."

July 8-20 - Buddy Hackett & Sergio Franchi.

July 21-26 - Diana Ross & the Supremes with Stevie Wonder.

July 29-Aug. 10 - "George M."

Aug. 12-17 - "Student Prince."

Aug. 19-24 - Temptations.

Sept. 2-7 - "On Time."

Sept. 9-14 - Robert Goulet.

Week of Aug. 26-Sept. 3 - Danny Thomas

Bellport Gateway Theatre -

In the Playhouse:
June 17-22 - "There's a Girl in my Soup."

June 24-29 - "Who's Afraid of Virginia Woolf?"

July 1-13 - Gypsy.

July 15-27 - "The Sound of Music."

July 29-Aug. 10 - "The Most Happy Fella."

Aug. 12-24 - "Can - Can."

Aug. 26-Sept. 7 - To be announced.

In the Red Barn Theatre:

June 25-July 6 - "Cactus Flower."

July 8-20 - "You Know I Can't Hear You When the Water's Running."

July 22-Aug. 3 - "Tobacco Road."

Aug. 19-31 - "The Fantastics."

Winter Garden Theatre - Ann Miller as "Mame." - now through June 25.

Jones Beach Marine Theatre - Guy Lombardo presents Rodgers & Hammerstein's "South Pacific" - July 3 to Sept. 1.

New York Mets - The following is a list of remaining openings for the home games of July at Shea Stadium:

July 11 Montreal Night Game	8 tickets
July 25 Cincinnati	" 4 "
July 27 Cincinnati Sunday	6 "
July 29 Houston Night	8 "

Further information concerning these games or the August and September games can be obtained in the Recreation Office.

Discount Exchange Coupons - May be obtained at the Recreation Office for Rockaway Playland amusement park - open to Sept. 28.

Athletic Game Equipment on Sale - Little League Baseballs, softballs, badminton sets, tennis rackets, tennis balls, shuttlecocks, table tennis paddles, athletic socks, BNL T-shirts, playing cards, combination locks, and handy information booklets on table tennis, baseball, diving, badminton, skin diving, judo, life saving, volleyball, archery, and bowling.

The Recreation Office subscribes to several periodicals covering various phases of the entertainment field. Cue, Opera News, Long Island Entertainer, Long Island Daily Review, and Stubs Magazine (which includes seating plans of most New York City theatres) are among those available for information and perusal at the Office on 3 Center Street.

None of the above listed periodicals or publications may be loaned out by the Recreation Office; however, they are all available for reading and reference at any time the Office is open.

Classified Advertisements

Autos and Auto Supplies

68 DODGE CHARGER - Ps, w/w, auto trans, vinyl roof, A-1 cond, 8,000 mi. \$2500. JU5-8322.

63 MOTOR SCOOTER - Cruisera Deluxe, needs electrical work. \$40. Ext. 354, 751-0835.

64 CHEVY SUPER SPORT CONV - Blk/white top, red int, 327 V8, 4 spd, console, w/w, new back window, new brakes. \$800. Ext. 2131, 281-8306 after 5.

66 PONTIAC GRAND PRIX - Full pwr, new wide oval glass tires, gold/blk vinyl top, excel cond. 286-3421 after 6.

56 MERCURY - 4 dr sedan, V8, auto trans, runs well. Best offer. Jeanne, Ext. 2403, GR5-7912.

64 TRIUMPH TR4 CONV - Red, fresh eng in '68, new Koni shocks, new Abarth exhaust, real mag wheels, new brakes, was really maintained. \$1500 (It's really worth it). Ext. 2411.

12 VOLT CAR RADIO - Transistor powered, antenna & 2 speakers, good cond. \$20. J. Weiss, Ext. 2472.

59 WILLY'S JEEP - New clutch, just had valve job, rebuilt carb, 4 new tires. \$300. 281-9523.

53 FORD - V8 flat head, in good cond. \$100. 878-2890.

60 PONTIAC STATION WAGON - Ps/pb. \$250 or best offer. Bob, Ext. 2450, 289-0357.

14" CHEVROLET WHEELS - Good cond. \$5/pr. Bob, Ext. 2450, 289-0357.

64 CADILLAC CONV - Full pwr, nice cond, clean. Ext. 2908.

50 JEEP - 4 w/d, rebuilt trans, eng loc-out hubs. \$300. W. Lenz, AN5-4686.

TIRES - 1 Michelin 5.60x15, like new, \$15; 1-5.60x15 snow tire, \$7; 12 v battery, like new, \$7. GR5-8426.

64 BUICK LA SABRE - 4 dr hdtp, excel cond, ps/pb, pwr windows. \$800. Torre, Ext. 423.

TIRES - W/rims, 6.00x15 (5 holes) for VW fast-back/squareback model 1600. \$11. Jim D., Ext. 2328, LT9-9349.

64 OLDS - 2 dr hdtp, V8, auto trans, ps/pb, 33,000 mi, new brakes & tuneup, mech & int perf, needs paint. Halpin, 472-0455.

63 DODGE 330 - 4 dr sedan, 318 V8, ps, r/h, clean, runs well. \$500 or best offer. D.V. Hirst, Ext. 2938, 286-3912.

66 CHEVY II NOVA - 4 dr sedan, 6 cyl, std trans, new tires, radio. Ext. 7559, 2E6-3649.

64 VW SEDAN - Good mech cond, must sell before June 23. Best offer. G. Levine, Ext. 2134.

68 VOLVO 144S - 4 dr, 4 spd, dk green/tan int, excel cond. Asking \$2200. Ext. 2411.

62 RAMBLER AMERICAN - 2 dr sedan, buying new car for enlarged family, must sell. Lou, Ext. 7411, 289-3246.

60 PLYMOUTH - 6 cyl, 2 dr sedan, motor in good cond. \$100. Ext. 7415, 924-3236.

SNOW TIRES - 8.25x14, 4 ply nylon w/w, new 10/68, low mileage. \$20/pr. Grist, Ext. 367, 383.

63 OLDS - 2 dr hdtp, ps/pb, excel cond, 5 good tires. \$900. 744-5391.

65 CHEVROLET BISCAINE - 4 dr, 6 cyl, auto trans, ps, r/h, w/w, good shape. \$995. J. Agostine, Ext. 2459, JU8-6853.

CAMPER TOP - For 6' or 8' pickup, alum, insulated, wood panel int, jalousie windows, good cond. Mike, 585-1192.

65 VW - White, radio, new brakes, clutch, excel 2nd car, orig owner. Kerwin, Ext. 2341.

6 VOLT DELCO BATTERY - Used 6 mos, trickle charger. \$8. Ext. 2142.

59 HARLEY DAVIDSON - 1200 cc, good cond, clean. 585-7675.

66 FORD COUNTRY SQUIRE - 10 psgr, ps/pb, r/h, clean. \$1695. John, Ext. 2142.

64 VW CAMPER - W/tent, ready to go, newly rebuilt eng, clean car, excel cond. \$1395. Ext. 322.

Boats & Marine Supplies

18" CAPECOD KNOCKABOUT - 2 sets dacron sails, fiberglassed, dinghy, 3 1/2 hp motor, mooring. All equipment. \$600. HR3-3035.

15" OLD TOWN RUNABOUT - 33 hp elec start Evinrude motor, trailer, ready for the water. Asking \$475. 286-0785.

18" BOAT - 2 gas tanks, elec start 40 hp Evinrude motor, fully equipped, navy top. AT6-3962.

23" COMBS BUILT CABIN BOAT - Sleeps 2, head, equipped, good cond. rebuilt 115 hp Chrysler Crown. \$500. LT9-7504.

21' MOKGAN SEA SKIFF 1953 - 70 hp '61 Graymarine eng, compl rebuilt 1967. \$850. HR3-0058 after 6.

12" PLYWOOD BOAT - Excel for crabbing, fishing or can be used as a duck boat. \$50. Ext. 7166.

'66 EVINRUDE OUTBOARD MOTOR - 6 hp, 20" shaft FNR, tank & hose, excel sailboat auxiliary. Dave, Ext. 464.

MERCURY GAS TANK - 6 1/2 gal, w/hose. AT6-1373.

14' FIBERGLASS SLOOP - "Flying Tern" class, dacron sails, Racelite fittings, beach rollers, many access. \$600. Ext. 7738.

10 HP SEA HORSE - Old, runs well. \$20. Mike, Ext. 7540.

MICHIGAN PROP - No. AMC580, 10x10, 3 blade alum 14 spline for Merc outboard Mark 50-55, '54-'56. Pete, Ext. 447.

16' THOMPSON - W/35 hp Evinrude in good cond, gas tanks, anchor, etc, incl. Asking \$275. AT6-8544.

14' GLASSPAR G-3 SKI BOAT - 50 hp Evinrude, full cover, ready to go. \$650. J. Stewart, 298-4366 after 6.

DORY - 18 hp Johnson, trailer, all in excel cond, many extras. \$495 firm. R. Albert, Ext. 7525, 7686.

20' BAY CITY EXPRESS CABIN CRUISER - Inboard 95 hp, f.w. cooled, head, galley, extras. Any offer over \$1850. Petruk, Ext. 2142, AT6-0124.

13' BOAT - Fiberglassed hull. Mike, Ext. 7540.

Miscellaneous

KENMORE WASHING MACHINE - Good cond. \$35. W. Lundgren, Ext. 7525.

DBL BARREL STEVENS SHOTGUN - Almost new. \$65. S. Anderson, Ext. 2412.

BABY CARRIAGE - Beautiful, like new, \$90 (orig price \$150); baby bath, tub & 2 drawers, very good cond, \$18. 929-8141.

SCUBA EQUIPMENT - 45 min tank & single hose regulator. \$50. GR5-8397, 6-7.

2 HOLLYWOOD HEADBOARDS - Twin size, w/frame, \$15; crib, \$10; wicker dressing table, \$8; bicycle, movie projector, camera. C. Zein, Ext. 7316.

DOG PEN - 8'x8'x3 1/2', Sears Roebuck Model. \$35. Ext. 7219.

STUDENT GUITAR & CASE - Excel for beginner. \$5. J. Weiss, Ext. 2472.

FLAT BED TRAILER - 4'10"x13' bed, 2 pr dbl wheels, make offer. J. Weiss, Ext. 2472.

ELEC ORGAN ATTACHMENT FOR PIANO - 3 octaves, make offer. J. Weiss, Ext. 2472.

HALF PRICE - Bric-a-brac, 50¢-\$5; fireplace, maple & imitation brick, andirons, electrified logs, \$30; brass lamp, \$15; lamps, \$10/pr. B. Hedrick, JU8-7989.

NEED MORE CLOSET & CABINET SPACE? - 22"-63"-84" louver doored cabinet-closet, 3 drawers, made out of knotty pine, walnut stain. \$75. JU1-8412.

BATH TUB - 5', lt weight, white, mod design. \$15. JU5-8322.

SCUBA OUTFIT - Parker wet suit, US Diver Co aqua lung & mask, US Diver Co scuba tank & back pack, weight belt. \$180. N. Schinn, AT6-8772.

OLD BRAUN ELECTRONIC FLASH - Asking \$18. J. Guthy, Ext. 2450.

LADIES' DRESS SHOES - Size 5, nearly new, for spring & summer. M. Nieh, Ext. 7733.

HOT WATER HEATER - 30 gal, Rheems glass lined, LP gas, new, still in packing crate. Torre, Ext. 423.

ELEC EDGER/TRIMMER - Hardly used. Cost \$40, sell \$25. Ext. 2447.

CRAFTSMAN 10" TABLE SAW - 1 1/2 hp motor, blade guard & stand, \$75; Shop Vac w/dolly & attach, \$20. AT6-1373.

BABY ITEMS - Car bed, walker-jumper, carriage. 286-3548.

DOORS - Asstd sizes; new formica counter top, 2 pcs. Ext. 2816, GR5-7372.

ACROSONIC SPINETTE PIANO & BENCH - Blonde oak, mfg by Baldwin, beautiful cond. 924-6468.

CHINA - Pinedale service for 12, incl turkey platter, vegetable dishes, etc, never used, displayed in cabinet only. \$50. E.D. Rea, 281-8087 after 6.

DINETTE SET - W/leaf & 4 chairs, all metal w/walnut design. \$22. Jim D., Ext. 2328, LT9-9349 after 6.

15 GAL AQUARIUM SETUP - Compl w/all access, incl wrought iron stand, full hood. \$16. Jim D., Ext. 2328, LT9-9349.

7 PC LIV RM SET - Sofa, chair, 2 side tables, coffee table, 2 lamps, contemp design, good cond. \$65. Jim D., Ext. 2328, LT9-9349 after 6.

TABLE/LAMP - Round, walnut, contemp design, 3-way lamp, a real beauty. \$12. Jim D., Ext. 2328, LT9-9349 after 6.

WHIRLPOOL AUTO DEHUMIDIFIER - Orig cost \$69.95, asking \$30. Joe, JU1-8976.

CONV COUCH - Good cond, \$25; GE washer, 12 lb, \$25. Ted, Ext. 2475.

TENT - Sears 8'x15' dbl side room, fair cond. \$30. 878-0819.

90' BARK ON STOCKADE FENCE - 2 yrs old, good cond. \$35. Mike, Ext. 7540.

BARN SALE - Rototiller, comer. equip, skimmer, clothes, odds & ends, etc, Sat, June 21, 10 am, Montauk Hwy, E. Moriches. Feller, 878-0792.

KITCHEN SET - \$30; 6 sm folding chairs, \$6; walnut din table, 4 chairs, \$100; meat slicer, \$5. 286-3649.

14' PHILCO REFRIG-FREEZER COMB - Upright, frost free refrig top, 100 lb freezer bottom, shelves both doors. \$90. 281-6412.

KENMORE WASHING MACHINE - Good cond. \$35. W. Lundgren, Ext. 7525, 588-1566.

SWIMMING POOL FILTER - Up to 5' dia pool, mfg filter-flow cartridge type. Try \$20. John, Ext. 2142.

SURFBOARD - Hobi 9'6", good cond, tailblack, redwood stringers, stripes. Orig \$180, now \$80. AT6-8544.

MIN POODLE - White, AKC reg. 281-8015.

LG UPRIGHT FREEZER - GE, excel cond, \$150; refrig/freezer comb, lg, in good cond, middle aged but has never needed repairs, \$100. AT6-0478 after 5:30.

MAN'S ENGLISH LIGHTWEIGHT BICYCLE - Robinhood, Brook's saddle, excel cond. \$25. AT6-0206.

HARMONY GUITAR - Steel strings, f hole, w/strap, very good cond, 5 instruction bks. \$25 firm. E. Wild, 231-8495.

FREE FOR THE TAKING - Horse manure in 50 lb bags, Smithtown area. John, Ext. 307, 2149.

SILVERTONE GUITAR - Narrow neck, steel string type. \$25. H. Brown, Ext. 7549.

UPRIGHT PIANO - Suitable for play rm, several keys need repair. C. Ferraro, Ext. 591.

CHILDRENS BOOKS - Elementary yrs, some worn, but in good cond. Reasonable. Ext. 7439.

BABY THINGS - Maple playpen w/pad, excel cond, \$10; crib w/mattress, well worn, \$5. 744-5378.

BABY ITEMS - Biltrite carriage w/mattress, converts to car bed, excel cond. \$20. 744-5378.

LIKE NEW - Black & Decker dustless belt sander, belt size 3"x24". Dominic, Ext. 639.

LIV RM TABLES - Traditional mahog, w/leather tops, like new. \$25. Dominic, Ext. 639.

CAMPING EQUIPMENT - 9x12 tent, excel gasoline stove, gasoline lantern, cold chest. All \$50. G. Levine, Ext. 2134.

BABY STROLLER - Napper, good cond. \$10. Ext. 7689, 589-7052 eves.

BEDRM SET - Blond mahog, dble bed, book case headboard, triple dresser & vanity, must sell, best offer. Ext. 344, AN5-7726.

AUTO WASHER - Frigidaire, used by little old lady in 80's (really), excel cond, tables still attached. \$85. Ext. 2461, 878-0074.

ADMIRAL AIR COND - 6700 BTU, used 2 summers, \$90; Kenmore auto washer, \$125; refrig, \$30. AN5-7367.

WIRE-HAIR FOX TERRIER PUPPIES - Ready to go, AKC reg, Champion bloodlines. 727-3608.

UPRIGHT STEINWAY PIANO - \$200. 286-3649.

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

N. SHIRLEY - 10 min from Lab, 5 yr old, 3 bedrm ranch, on 1/2 acre lot baseboard oil heat, full basement, fenced back yard w/lg patio. \$13,500. By appointment only, 281-6412.

BELLPORT/BROOKHAVEN - 7 yr old custom cape on 1/2 acre treed plot, 4 bedrms, 2 baths, liv/din rm w/fireplace, den. \$35,000. 286-3548.

PT JEFF STATION - 4 bedrm house, 1 1/2 baths, liv rm, din rm, kitchen, TV rm, full basement, w/w, s/s, drapes, blinds, garage, near schools & shopping, city water. Helen, Ext. 430 HR3-1445 after 5:30.

BELLPORT - 3 bedrm house on lg wooded lot near Bay, liv rm w/fireplace & sun porch, 1 1/2 baths, full basement, owner leaving Lab. 286-0217.

PATCHOGUE - 4 bedrms, 2 baths, panelled fam rm, 1/2 acre fully landscaped, near all schools. 475-4396.

For Rent

PRIV FURN APT - Center Moriches, summer rental, 2 rms & bath. Ext. 2868, 2732.

8 RM HOUSE - Centereach, 20 min to Lab, 3 bedrms, 1 1/2 baths, 2 car garage, dishwasher, refrig/freezer, lg landscaped enclosed area, swings, sand box, near shopping, schools, avail 7/1, 10 mo-1 yr lease. Unfurn, \$200/mo; furn, \$245/mo. Ext. 500, 7473.

SUBLET - Waterfront, studio garden apt in Sayville, lease expires 6/70. Jim D., Ext. 2328, LT9-9349 after 6.

4 BEDRM HOUSE - Wading River, beautiful location, waterfront, priv beach, compl furn, present tenant likes to sublet for period 9/1/69-2/1/70. \$165/mo. Ext. 614, 929-4199.

Wanted

BOAT TRAILER - For 16' boat. Diane, Ext. 7621.

2 WHEELS FOR '67 VOLVO - Ext. 7559.

WET SUIT - Shorty, med; cartop carrier for surfboards. J. Dorning, 281-3622.

HOMES - For 2 kittens, 1 male, 1 female, 8 wks old, both gray w/blue eyes. 281-5289.

TYPING - Term papers, etc., to do at home. Claire, Ext. 2131.

SUN TACH - For GM. Claire, Ext. 2131.

TRANSCIEVER - Or equiv, 2 meter amateur, A.M. superhet, 10-20 watt, cond unimportant, plus 2 meter beam ant. Chris, Ext. 7677, AN5-0163.

2 RIMS FOR '66 CORVETTE - Normal width, disc brakes, bolt on. Ext. 359.

HOME - For 6 wk old puppy, tan, collie & German Shepherd, male. Rosalie, Ext. 448.

HOUSE FOR YR ROUND RENTAL - Vicinity of Stony Brook or Shoreham. John, Ext. 7461, 744-8765.

HOME FOR PUPPIES - Asstd colors. Bob M., Ext. 309, JU8-4291.

ODD JOBS AROUND SHIRLEY AREA - D. Miller, 281-8579 after 5.

A CHILD TO LOVE US - 4 kittens, 2 mos old, part Persian, 3 males. J. Weeks, Ext. 346, 751-1149.

PRAM - 8' or 10', rowing or sailing type. Ext. 2180.

ON-SITE MOTHER - To care for set of twin boys (4) for 1st 3 wks in July, M-F, 8:30-5. S. John, Ext. 2380.

PEOPLE IN A HURRY - Travel by air, X-country charter flights. G. Dzenkowski, Ext. 2243, 765-2015.

TWIN LENS REFLEX CAMERA - In good cond. P. Soo, Ext. 271.

TO TRADE - King Korn or orig Green for Plaid or Triple S Blue. M. Strongson, Ext. 2727.

POSITION - For mature woman as babysitter, will do light housekeeping, have own trans. G. Kobis, 744-8765.

3 AIRPLANE PILOTS - Interested in low cost flying to buy equal shares in a Cessna 172. Ext. 2428.

20" BOY'S BIKE - High riser, good cond. G. Spira, HR3-9016.

HOMES - For 10 kittens, 6 all blk, 2 all white, 2 tigers, healthy & pan trained. Ext. 520.

Carpools

PAYING RIDER - Needs ride from Grove Ave, Patchogue. Elsie, Ext. 2343.

STRATHMORE - Join existing carpool, "S" section preferred. Dave, Ext. 2824; Sid, Ext. 2583.

PAYING RIDER - Needs ride from Fairway Drive, Bellport. Diana, Ext. 2365.

DRIVER NEEDED - For Bellport carpool. Bookless, Ext. 350.

JOIN OR FORM CARPOOL - Greenlawn, Centerport, Huntington area. Frank, Ext. 488.

JOIN OR FORM - Carpool, Lake Ronkonkoma area, near Hawkins Ave & Expwy. A. Panasci, Ext. 2349.

ARE YOU GUILTY...

OF HOARDING OBSOLETE OR UNUSED CAPITAL EQUIPMENT?

Cafeteria Menu

Week Ending June 26, 1969

Friday, June 20	
Coney Island Clam Chowder	
Roast Leg of Lamb/Dressing, Brown Gravy	.65
Baked Haddock Filet/Creole Sauce	.65
Fried Filet of Cod/Tartar Sauce	.65
Western Egg Hero	.65
Monday, June 23	
Beef Noodle Soup	
Batter Fried Quarter Chicken	.65
Beef Burgundy over Noodles on Casserole	.65
Spanish Omelette	.55
Knockwurst & Sauerkraut Hero	.70
Tuesday, June 24	
Puree Mongol Soup	
Yankee Pot Roast of Beef	.65
Veal Stew/Vegetables	.65
Cheeze Blintz/Sour Cream	.60
Salisbury Steak on Hard Roll	.70
Wednesday, June 25	
Chicken Gumbo Soup	
Veal Parmigiana	.70
Knockwurst & Sauerkraut	.65
Spaghetti/Meat Sauce	.60
Pork Bar-B-Q on Soft Roll/French Fries	.70
Wednesday Special \$1.25 Plus Tax	
Cup of Soup	
Veal Steak Parmigiana	
Potato & Vegetable	
Bread & Butter	
Choice of Pudding or Jello	
10¢ Beverage	
Thursday, June 26	
Potato Leek Soup	
Honey Glazed Ham Slice	.65
Baked Meat Loaf/Mushroom Sauce	.65
Chicken Chow Mein/Noodles & Rice	.65
Chopped Steak & Mushroom Hero	.70

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

For Sale: Auto & Auto Supplies Wanted
 For Sale: Boats & Marine Supplies Carpools
 For Sale: Miscellaneous Lost & Found

Check the heading applying to your ad.
 Print or type your ad in 20 words or less.

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 112, 40 Brookhaven Avenue.

Employee's Signature _____ Life No. _____ Ext. _____

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue