



BROOKHAVEN BULLETIN

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July 17, 1969

If Thou Be Fair . . .

For forty days 'twill rain na mair. And fair it was on Tuesday, July 15 - St. Swithin's Day. And if this be true, get set for a summer of sun, fun and watering the garden.

St. Swithin, canonized only in popular tradition, was Bishop of Winchester, England in the ninth century. He requested that when he died he be buried outside the cathedral so that he might still be with his flock. And so he was, but many years later it was decided that he be moved back into the cathedral. On the day his body was to be exhumed it started to rain and it continued for forty days, and so the superstition grew.

St. Swithin's Day - If thou dost rain

For forty days it will remain,

St. Swithin's Day - If thou be fair

For forty days 'twill na mair.

Youth On Campus

A BNL Summer Program

Drawn from all segments of the community, the students who make up the Youth On Campus at Brookhaven, have one thing in common: They all have a need for meaningful work experiences that will enable them to compete in the business world.

The 38 youths range from 18 to 21 years of age and include some college students, high school students, and some H.S. drop-outs. Some of the youths were recruited from Community Action Centers, some by employee referrals and some through regular job applications.

Classes are held each day for 18 of the girls who are learning typing and office practices. The boys are getting job training in the department in which they are working. All of the students are being counselled at regular intervals by one of the Youth On Campus staff.

According to Ike Cole, BNL Coordinator of the program, there are four people directly involved in running the program.

Dr. Gerald Glass, Director of the Reading and Study Center at Adelphi College, Garden City, is Educational Consultant to the program.

David Berninger, an Industrial Arts teacher from Longwood High School, provides vocational counselling and guidance for the students and assists supervisors of these youngsters to better understand their problems.

Margarite Platner, a Business Teacher from Longwood, is the instructor for the clerical skills course.

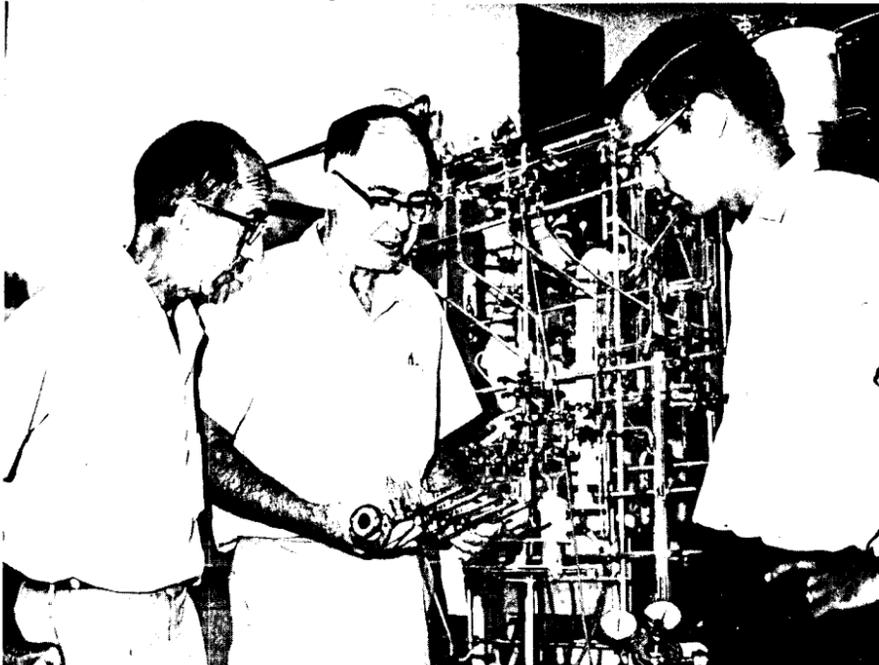
Karen Kennedy, a junior from Western Kentucky University, is assisting in teaching typing and clerical procedures.

The Youth On Campus program will continue for a total of 8 weeks, and involves students in almost every Department or Division of the Laboratory.



Staff of the Youth On Campus Program at BNL. Standing rear: David Berninger, Ike Cole, Gerald Glass. Seated: Karen Kennedy and Margarite Platner.

Moon Sample Team Ready To Go



Dutch Stoenner, Ray Davis and Warren Lyman (l. to r.) examine the charcoal gas collector in their Chemistry Department lab. In the Lunar Receiver Laboratory at Houston, it will be attached to apparatus identical to that in the background above. The glassware separates the noble gases of argon, krypton and xenon and collects them in individual counters for analysis.

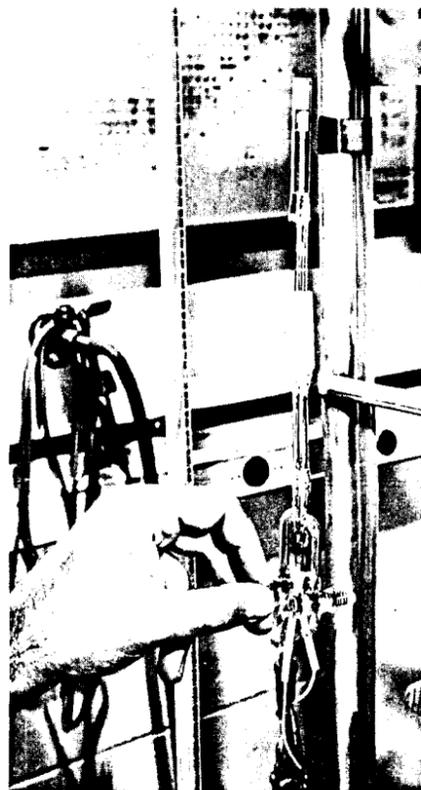
Californium-252 Brochure Issued

The unusual characteristics of californium-252 have been set forth in a brochure now being distributed nation-wide by the Savannah River Operations Office to interested groups, which are invited to evaluate the feasibility of the many anticipated applications and to estimate market potentials. Test sources of californium-252 for this purpose will be loaned by the Savannah River Operations Office. Numerous inquiries from medical institutions and industry already have been received.

Featured in the brochure is the work at Brookhaven being done by Dr. Harold L. Atkins of the Medical Department. In studies with human tumor cells, he has determined that the relative biological effectiveness of californium-252 is approximately 2.9 with respect to protracted irradiation with radium and about 2.4 with respect to acute irradiation with cobalt-60.⁽²⁷⁾ Dr. Atkins is also irradiating the skin of pigs with a californium-252 surface applicator to determine skin tolerance and to compare results with data previously obtained with acute doses of X-rays, thermal neutrons, and fission spectrum neutrons.

Coming Attractions

- 7/20 BERA Mini-Special
The Guess Who
Brookhaven Theatre - 8:30 p.m.
- 7/24 BERA Movie
Berkner Hall - 8:30 p.m.
- 8/2 BERA Summer Special
Count Basie
Gymnasium - 9:00 p.m. - 1 a.m.



The end of the line for the moon gas is the small glass "counter" at the top of the vertical tube in the center of the photo. After the gas is driven into the counter, the stopcock valve is closed and the counter with the gas inside removed and taken underground to the radiation counting laboratory for analysis.

IBEW to Meet

The next General Meeting of Local 2230, IBEW, will be held July 24, 1969 at the Knights of Columbus Hall, Patchogue at 8 p.m. The agenda for the evening will consist of General Business plus reports of Committees.



Supervisors of some of the 38 students in the Youth On Campus program listen to a description of the way the program will be administered. The orientation session was held during the first week of the eight week program.

Reap the Moon Harvest

When parts of the moon come back from space, three members of the BNL staff will be among the scientists who will perform the initial experiments during the quarantine period.

The BNL'ers are Drs. Raymond Davis, Raymond (Dutch) W. Stoenner, and Warren Lyman, all of the Chemistry Department. Their job will be to determine the existence and amount of low level radioactivity that may exist in the moon's atmosphere as well as in the samples of lunar rock that will be harvested by our astronauts.

When Neil Armstrong gathers his lunar harvest into a box, he will seal it, and in the process will entrap some of the normal lunar atmosphere. Later, back on earth, when this box is delivered to the Lunar Receiving Laboratory at Houston, it will be penetrated by a special probe and the lunar atmosphere withdrawn. Part of planned research on this "moon atmosphere" includes a check for low-level radioactivity by the BNL team.

After the lunar atmosphere has been removed, the lunar rock samples will be sterilized and made ready for the many research probes into their composition. In general, the plan calls for the solid material to be melted in a vacuum, which will drive out all the gas that is in them. It is the gas that will be directed to the BNL team.

However, the gas will first go through a mass spectrometer where it will be analyzed for isotopes of helium, neon, argon, krypton, and xenon. Of these, only the noble gases (argon, krypton and xenon) can possibly be radioactive, and hence are the only ones of interest to the BNL team.

Attached to the mass spectrometer will be a special vacuum gas collecting device with a number of fingers on it. Each finger is filled with charcoal and has its own shut-off valve. When the noble gases are to be bled out of the mass spectrometer into the charcoal in the fingers, the fingers are immersed in liquid nitrogen (321 degrees F below zero). The cold causes the gas to enter the fingers where it becomes entrapped in the charcoal. The valves on the fingers are then closed, and the whole device removed from the mass spectrometer. The entire device is then heated to 160 degrees C for 12 hours to sterilize it from contamination by any "moon bugs."

The device is then delivered to the BNL team located in a special room next to the entrance to the radiation counting laboratory (RCL). The RCL is fifty feet underground and is accessible only by an elevator.

The BNL'ers will then attach the finger device to their own counting set-up (similar to the glassware seen in background of group photo) and proceed to remove and separate the entrapped gas.

The final product of argon, krypton and xenon is collected in separate, small glass counters, one for each gas. Each is called a "counter" because it is where the radioactive gas is located, and thereby is the origin of the "count."

At this point, the BNL team, with its treasure of moon gas, will descend to the Radiation Counting Laboratory to do their counting.

As the whole world waits for the launch and the recovery of the men who will collect these moon samples, the BNL scientists will be on their way to Houston to make their all-important analyses.

As more information on the progress of the moon sample experiments is developed, it will be published in the *Brookhaven Bulletin*.

Watch Your Step

Starting early next week, the grounds maintenance crews will start installing drainage basins in front of the entrance doors to the Cafeteria.

It is expected that this work will take about a week to complete, and at some time people will be asked to use other entrances to the cafeteria than are normally used.

Ministers of Science Visit

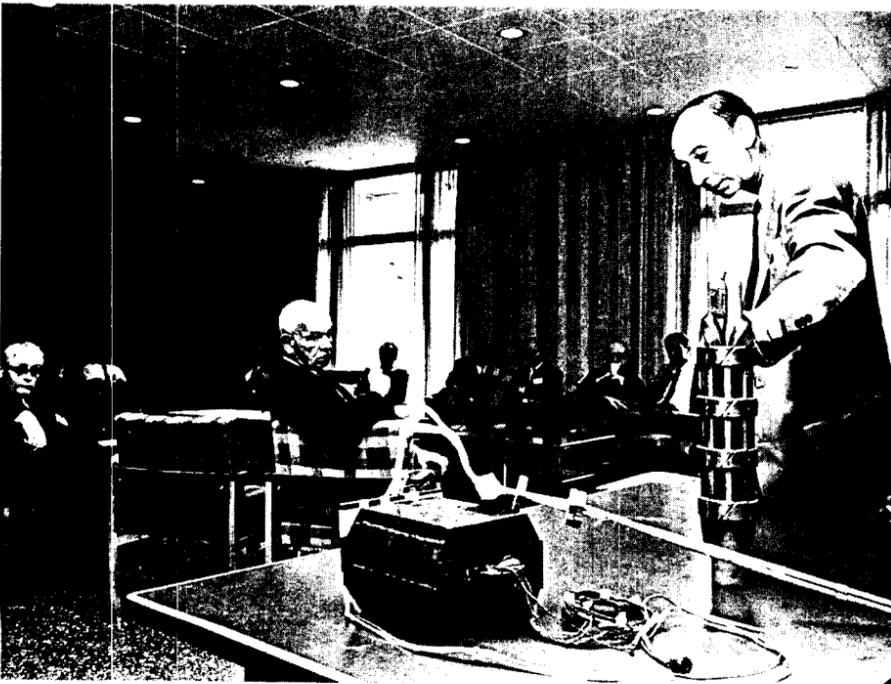


BNL staff members and the entourage that accompanied the ministers of science from five countries gathered in front of the AGS east experimental area. The visitors had a rare opportunity to go inside the tunnel of the AGS. —Humphrey

Birthday Greetings For An Old Friend



The 65th Birthday of Leland Haworth was celebrated last Friday with best wishes from the BNL staff represented by Dr. Maurice Goldhaber (right), and representing Associated Universities, Inc. Dr. Gerald Tape (left). Dr. Haworth (center) has returned to Brookhaven after a long absence to become special advisor to Dr. Goldhaber. —Humphrey



Dr. G.K. Green, Accelerator Department, explains parts of the AGS to a group of foreign ministers of science who toured BNL before going to Cape Kennedy to witness the launch of the Apollo XI moon shot.



Russ Huson, Physics, briefs the touring visitors on the operation of the 80-inch Bubble Chamber.

Science Ministers Tour Brookhaven

A number of foreign ministers of science, who have been invited to witness the launch of the Apollo moon probe, were invited by Dr. Lee DuBridge to visit Brookhaven on Monday.

The group was accompanied by AEC Commissioner Wilfrid Johnson, AEC Assistant General Manager Spofford English, and several representatives from the State Department. Their visit was concerned with a general orientation of the organization and programs of an AEC national laboratory with particular emphasis on work in high energy physics.

Included in the group were representatives from Belgium, Canada, West Germany, United Kingdom and Australia. Dr. Maurice Goldhaber, BNL Director, was host to the group.



AEC Commissioner Wilfrid Johnson and Lab Director Maurice Goldhaber joined in the tour for the foreign ministers of science.

Here and There

Dolores del Castillo

Jack Chernick (DAS) has accepted an invitation to continue service on the Advisory Committee for Reactor Physics during FY 1970.

Maurice Goldhaber (DO) attended a recent meeting of the directors of six AEC national laboratories. The meetings were at Oak Ridge and Gatlinburg.

Raymond Davis (Chemistry) spoke on his solar neutrino research at the recent Stellar Structure Conference held at State University of New York in Stony Brook.

Andrzej Siuda, of the Institute of Nuclear Research, Warsaw, will visit at the Laboratory on July 24 to discuss hot atom chemistry.

Dr. R.A. Basson, of the Radiation Chemistry Division of the South African Atomic Energy Board, will visit at the Laboratory on July 30 to discuss applied radiation chemistry projects.

Rodney L. Cool (Physics) attended the recent International Conference on Elementary Particles held in Lund, Sweden.

Robert Smith (P&GA), National Chairman for judging photographic exhibits of the American Medical Association, attended the annual AMA meeting held at the Coliseum.

Movie Tonight

Thursday, July 17 - Berkner Hall - 8:30 p.m.

Annapurna

Filmed as it occurred, Annapurna is the magnificent color documentary of the preparation for the ascent of, and the agonizing descent of, Annapurna, one of the great mountains of the earth. Maurice Herzog's French Himalaya expeditions of 1950 with its wealth of human interest and its vividly picturesque mountain and jungle settings is one of the amazing true adventures of our time. Annapurna is narrated in English by Michael Herzog and Edd Byrne.

"Heaven and Hell interfused in some of the most terrifyingly beautiful pictures ever to move across the screen... The superb footage covers the same perilous ground as the best-selling book." —Time

Short: The Red Balloon

Here is a fantasy of the world of children with immense charm and rare imagination. A small boy make friends with a balloon, "tames" it, and soon it seems to take on a life of its own. Together the two play and try to elude a gang of urchins intent on destroying the balloon, which they eventually do. The Red Balloon won an Academy Award for Best Original Screenplay in 1956 as well as awards at the Cannes and Edinburgh Film Festivals.

Cartoon: Gerald McBoing Boing

Winner of an Academy Award for Best Cartoon, this story by Dr. Seuss about the little boy who said no words but went "boing, boing, ..." instead is a sheer delight.

Movie Next Week

Lord Jim

BROOKHAVEN BULLETIN

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Arrivals & Departures

Arrivals

- Robert E. Gannon.....Accelerator
- Theophilus A. Gray.....PEP
- Walter F. Hulak.....Shops
- Franklin J. Powers.....PEP
- Alvin H. Rosenfeld.....Accelerator

Departures

- Carl H. Allen.....PEP
- Richard Arndt.....Physics
- Diane E. Keller.....Physics
- Ian R. Kenyon.....Physics
- Francis F. McMullan.....Purchasing
- Fred H. Maye.....I & HP
- Maria A. Tasso.....Information
- John L. Wells.....Mech. Eng.
- Julie Winberg.....Physics

Cafeteria Menu

Week Ending July 24, 1969

- Friday, July 18
- Old Fashioned Clam Chowder .20
 - Fish n' Chips with Sauce Tartar .45
 - Pot Roast of Beef, Brown Gravy .75
 - Fish Cakes with Italian Spaghetti .65

- Monday, July 21
- Turkey Noodle Soup .15
 - Hungarian Goulash on Noodles .65
 - Breaded Pork Chop/Apple Sauce .65
 - Cheese Souffle/Broiled Bacon Strips .60

- Tuesday, July 22
- Beef Barley Broth .15
 - Old Fashioned Chicken Pie/Vegetables & Pastry Crust .65
 - Knockwurst with Sauerkraut .65
 - Veal Patti/Parmigiana .70

- Wednesday, July 23
- Tomato with Rice .15
 - Round Roast of Beef .75
 - Chicken Patties .65
 - Chili Con Carne/Frankfurters .75

- Thursday, July 24
- Mulligatawny Soup .15
 - Glazed Baked Ham .75
 - Salisbury Steak with Saute Onion .65
 - Stuffed Cabbage .60

Safety Equipment

Spectacles are issued on Mondays from 9 a.m. to noon, and on Wednesdays from 1:30 to 4:30 p.m.

Shoes are issued on Mondays from 1:30 to 4:30 p.m., and on Thursdays from 9 a.m. to noon.



The Guess Who

Sunday BERA Summer Special "The Guess Whos" Coming to Brookhaven

The typical answer to this non-question from the Over-30 Set is - "Who???"

Well, that goes to show how little we know. Ask any member of the "Now Generation" and you'll find out that "The Guess Who" is one of the most exciting groups to appear on the musical scene in years. And the BERA Special Events Committee has been able to bring them to you - in person - on Sunday, July 20 at the BNL Theatre. Trust us - remember we brought you Pearl Bailey, Louie Armstrong, Al Hirt, Dave Brubeck, Phil Foster and the Baja Marimba Band. We're sure you'll enjoy this "Research in Rock" program.

This is a rare opportunity to hear and see what the sound of today is all about. So do come and bring the family, and tell your friends in the community to do the same. You'll be glad you did.

Tickets can be purchased at the Recreation Office or at the Cafeteria. Any remaining seats will be sold at the door.

"The Guess Who" Group including Randy Bachman - leader, Burton Cummings, Garry Peterson and Jim Kale, will begin the show with a 45 minute set, take a brief intermission, and conclude with another 45 minute session. It will only cost you 3¢ a minute to listen. Tickets cost only \$3.00 for Employee/Family and \$4.00 for Visitors.

Show time is 8:30 - Don't Miss It!!!

Tennis Tourney Underway

The draw has been completed and the schedule posted in the Gymnasium for the 1969 BERA Tennis Tournament. Play gets underway this week.

The Men's Singles contest has 36 entrants requiring that certain players play two matches the first week in order to keep the rounds on schedule. Men's Doubles has 13 teams. Mixed Doubles has 10. Entries for the Ladies' Singles will remain open until 2:00 p.m., Friday, July 18 in hopes of augmenting the present list of 10. The Senior Men's tournament has been cancelled because of insufficient entries.

Contestants are required to familiarize themselves with the tournament regulations and to report game results as soon as possible.

Trophies will be awarded by BERA to all winners and second place awards will be presented in Men's Singles and Men's Doubles only.

Matches are to be played during the scheduled week under conditions mutually agreeable to the contestants. Finals will be scheduled and announced by the Recreation Office. Balls and volunteer officials will be provided for the finals only.

Non-Tournament players using courts are requested to conclude their matches as soon as possible and relinquish their court if tournament competitors are waiting to begin a scheduled match.

Members of the Tennis Committee at the present time are: Andrew Kevey, James Brandon, Dan Schaeffer, Helen Connell, Mary Jane Stangby, and Walter LaPrarie of the Recreation Office.

Count Basie Why Is The August 2 BERA Dance Different?

Well - for one thing, we are taking reservations in advance. However, we will still have free chips 'n pretzels, and ice. Refreshments will still be moderately priced and will include canned beer and setups. You may still bring your own bottle. The Gymnasium will be beautifully decorated by our Committee so that you will not recognize its identity. We will still have great people out for fun and dancing, and a good time.

Oh yes - by the way - Count Basie and his 17 Piece Orchestra will be here to entertain you. He will start the program at 9:00 with a 45 minute concert, take a short breather, and then play for your dancing pleasure until 1:00 a.m.

Needless to say, space is limited. Tables are set for ten so get a group together and reserve now. Naturally, accommodations will be made for lesser groups or couples.

Tables can be reserved at the Recreation Office and must be accompanied by payment for tickets.

Admission:
Employee/Escort \$5.00 ea.
Visitor \$6.00 ea.

The members of our Special Dance Committee are: Ruth Neuss - AEC, and George Leverock - S&M (Co-Chairmen), Jerry Friedman - Applied Math, Pat Oster - AGS, Lynn Kalbach - Biology, John Kampe - Plant E&P, Duke Worthington - Shops, Robert Lundgren - Physics Design, and Jack Craig - Instrumentation. If they ask you for a hand - we know you will extend it.

Soccer

M.T. Hutchings

British Commonwealth 3 - The Rest 7 (2-5)

The Commonwealth team was beaten by good teamwork and strong defensive play in a high scoring game on the 7th of July.

Practice games are held every Monday, 5:30 p.m. Call D. North (Ext. 7363) or M.T. Hutchings (Ext. 7608) if you wish to play. New players always welcome.

A meeting will be held at 5:10 p.m. on the 24th of July, in the small seminar room of the Physics Building, to discuss matches and future activities.

Sign Up For Adult Swimming Classes

Registration is now being accepted at the Recreation Office for Adult Swimming lessons. A minimum of 12 applicants will be needed for each class.

Classes will be scheduled on the 11, 12, 13 and 18, 19, 20 of August from 5:30 p.m. to 6:30 p.m. The cost of the six lessons will be \$10.00.

There have already been very many inquiries about these classes - registrants will be accepted on a "First Come - First Served" basis. Registration will begin on July 18 at the Recreation Office.

Registration deadline is August 1, or before, if the class maximum is reached.

Softball

Tom Lee

Brookhaven League

6/24 Old Timers 5.....Blue Jays 0
Dirty Sox 14.....Make-ups 4
7/1 Old Timers 12.....Make-ups 7
Blue Jays 9.....Batmen 5
7/8 Old Timers 10.....Dirty Sox 2
Make-ups 8.....Batmen 4
7/10 Blue Jays 2.....Make-ups 3

Our first shut-out of the year was suffered by the first half champs (Blue Jays) at the hands of the red hot Old Timers. Looks like a real good race for the second half. S. Ligot has been accused for throwing a spit ball.

National League

6/25 Rat Pack 28.....Six Pac 2
Potsareebies 17.....S & M 14
A.M.D. 7.....Metallurgy 6
Phoubars 8.....Bubble Boys 5

HRs: Rat Pack - T. Lee (2), B. Jackson, D. Valli, B. Phillips, P. Valot. S & M - Mars, Waski (2), Potsareebies - Jurgens, B. Brown.

7/9 Rat Pack 7.....Metallurgy 6 (8 Inn.)
Six Pac 17.....Potsareebies 15
Phoubars 7.....AMD 4
Bubble Boys 12.....S & M 9

HR - J. McNeill - Six Pac.

P. Bozzi 3-4, J. Bennett 2-2 for S & M.

Our first half champ (S & M) is taking it easy this half. They have now lost 2 in a row, with a real crazy race developing - anyone can win it. D. Vail of Rat Pack had a no hitter going into the 5th inning against Six Pac and finished up with a 3 hit game. The following week Vail went 4-4 in extra inning game and was assisted in getting the win by B. Jackson's defense.

Phoubars showed great team effort in win over AMD - Krupien and J. Bartalomy showed up this week.

Laboratory League

6/26 Deadwoods 19.....Charlie Browns 0
Mets 9.....Converts 3
Bio Meds 15.....Chemistry 9

6/30 Mets 7.....Deadwoods 5
Mets 5.....Deadwoods 4*
Bio Med postponed.....Converts
Chemistry 11.....Charlie Browns 6

*First half make-up game.

HR - T. Brennan Chem., L. Snead Mets.
7/10 Deadwoods 6.....Bio Med 11
Mets - Charlie Browns (no score)
Chemistry 2.....Converts 5

Mets on the move both at Lab and the National League. By beating the Deadwoods, the Mets stopped a six game win streak of the Woods and are in good shape now in second half race. The Charlie Browns still continue along at a blistering pace.

Money! In the Pool

Friday afternoon, July 11th, marked the first pool special, a Penny Fetch. Over one-hundred and fifty children hit the water in search of the \$15.00 in coins that were spread about the bottom of the pool. It was a wild scene, but then again money does strange things to people. The children wore their BERA T-shirts which have been supplied this year as part of the Recreation Program. At the end, everyone had a T-shirt, a few coins and had enjoyed the thrill of the hunt.

Parent Orientation for Childrens Recreation Program

The On-Site parents arrived at the Recreation Building at 10:30 a.m. on Friday, July 11th, for an orientation session with the Program instructors, Guy Mastrion and Pat McCafferty. The summer activities were explained and several family outings planned.

A Teen-Age Program is ready to begin and a teenage committee has been formed to plan dances, cook-outs and a Hay Ride. Teenagers started to arrive when word began to circulate that the On-Site Program was open for all ages and activities would be planned accordingly. Thirty-five mothers attended the orientation and were filled in on the details of the On-Site Morning Program and the Afternoon Swimming Lessons.

Special events will take place on Fridays at the Recreation Building and the Pool. These will include: a Water Carnival, Costume Party, Awards Night, Crazy Hat Contests, Scavenger Hunts, Track and Field Day, and Dance Contests.

Parents may still register their children for the Summer Recreation Program. The Swimming Classes are almost filled to capacity but a few openings remain. It looks like an eventful summer of fun and activities for all and it was noteworthy that so many parents showed an interest in their children and the Recreation Program.

For additional information contact Guy Mastrion or Pat McCafferty in the Recreation Office, - Ext. 2808.



Proudly displaying new Recreation Association "Tee" shirts are Juanita Gwathey and Carolyn Wilmer.



Some of the winners in the "penny fetch" at the swimming pool last week were: Jurgen Dimmler, Walter Parsons and Wolfgang Dimmler.



Guy Mastrion director of the Summer Recreation program leads an orientation session for the mothers of the children registered in the program.

New York Jets Football Tickets

Beginning Monday, July 21, 1969, ticket reservations will be accepted for the BERA Reserved Seats at Shea Stadium for the 1969 New York Jets Football Games. The seats are located in the reserved Section #23, Rows P & Q and are priced at \$6.50 each. We have 20 reserved seats for seven home games.

October

- 5 Boston Patriots, Sunday
- 11 Cincinnati Bengals, Saturday
- 19 Houston Oilers, Sunday

November

- 2 Miami Dolphins, Sunday
- 9 Buffalo Bills, Sunday
- 16 Kansas City Chiefs, Sunday
- 30 Oakland Raiders, Sunday

Get your early - plan ahead - supply limited!!

In an effort to make tickets available to as many interested employees as possible, the following sales procedures will be observed:

The Recreation Office will be open for ticket sales and information daily from 9 a.m. to 1 p.m.

Tickets are intended for the employee and members of his immediate family. It is understood that a single employee might wish to purchase an additional ticket for his or her escort. Employees are entitled to purchase 2 tickets for one game only.

Tickets will not be returnable or acceptable for refund or exchange at the Recreation Office. Refunds or exchanges should be made at the Ticket Office at Shea Stadium.

Hospitality News

The next regular Hospitality Committee coffee meeting will be held on Monday, July 28, from 10 a.m. until noon in the Apartment Area Recreation Building.

Bring the children - everyone is welcome. Don't miss this chance to meet and welcome our summer people who will be here such a short time.

Classified Advertisements

Positions Available

CARPENTER (1) - Plant Erg. & Planning.
Application Deadlines: July 28, 1969

Employees interested in applying for above positions should inform their Supervisor and file written request with Employment Office on or before deadline date.

Autos & Auto Supplies

63 CADILLAC - Limousine, full pwr, a/c. Best offer over \$900. 744-5529.

64 LE MANS - 2 dr coupe, silver grey/blk vinyl top, 4 new F70 Goodyear tires w/mags, '68-400 cu. in. eng, turbo hydro, bckts, immaculate. \$1200. 281-5289 after 3.

63 CORVETTE COUPE - 300 hp 327, close ratio 4 spd, mechanically perf, eng & trans rebuilt 100 mi ago, eng balanced, interior good, needs body work. \$1350 or make offer. AT6-9665.

62 KARMANN GHIA CONV - In running cond. Asking \$200. Tichler, Ext. 2118, 289-5770.

65 CHEVROLET 1/2 TON PICKUP - 4 w/d, new clutch & brakes. \$1400. Hagelberg, Ext. 423, GR5-0396 after 5.

67 OLDS 442 - 350 hp, gray/blk vinyl top, bckts, stereo tape deck, ps, 20,000 mi. 325-0710 after 6.

67 SAAB - 2 cycle oil injected eng, r/h, 20,000 mi. \$1350. J. Mead, 585-6269.

66 FORD COUNTRY SQUIRE - Ps/pb, auto trans, recent new battery, new brakes, rubber-past Dec, clean car, last chance. \$1595. John, Ext. 2142.

ROOF LUGGAGE RACK - For VW, like new. \$10. 475-4394 after 5.

68 DODGE DELUX PICKUP - 8' body, auto trans, V8, radio, overloads, Shell camper, beautiful cond, low mileage. Ernie, Ext. 2934.

MOTOROLA VIBRASONIC REVERB SYSTEM - Dash control, trunk mount, w/extra speaker. \$15. Bruce, Ext. 481.

60 PLYMOUTH - 6 cyl, std stick, 2 dr sedan, motor in good cond. Best offer above \$75. Ext. 7415, 924-3236.

68 DODGE CHARGER - Ps, w/w, auto trans, vinyl roof, A-1 cond, 8000 mi. \$2500. JUS-8322.

63 VALIANT - 2 dr, std trans, r/h, good trans. \$275. L. Stromberg, Ext. 2532, 475-8527.

65 JEEP - 4 w/d, 1/2 ton dump pickup. A. Rebeh, Ext. 640, 751-0651 after 6.

63 RAMBLER STATION WAGON - R/h, std trans, fair body cond, good mech cond, clean. \$250. JUB-7211.

66 GMC TRUCK CAMPER COMBO - 10 1/2', ice-mono-matic, an excellent buy. 286-9896 days, 286-8562 nites.

64 CHEVROLET - Std trans w/overdrive, 283 V8, 2 dr, r/h. \$350. B. Shaw, Ext. 441, LT9-6047 after 6.

64 FORD GALAXIE CONV - Good cond. \$775. Ext. 7351, 744-2453.

67 PONTIAC LE MANS - Vinyl htdp, V8, auto trans, ps, bckts, console. 286-1396.

64 VW CAMPER - Eng in tip-top cond, newly rebuilt, clean, roomy. Bargain, \$1200. Ext. 322.

61 VW - Red, beautiful cond, perf 2nd car, radio, good tires, loved. 363-6061 after 6.

67 YAMAHA SPORT - 250 cc, 5 spd. \$350. 477-2101 after 4:30.

68 VW BEETLE - Sunroof, FM radio, radials. \$1350. Ext. 2948.

66 CHEVY II NOVA - 4 dr, std trans, r/h, new tires. Ext. 7559, 281-4547.

64 VW - Sunroof, new eng, snow tires, roof rack, excel cond. \$750. AT6-0682 after 6.

59 FORD STOCK CAR - Set to run fig 8 & 1/4 mi oval, spare eng & parts. Asking \$250. B. Roberts, Ext. 7236.

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

68 PONTIAC FIREBIRD 400 - 4 spd, 11 mos old, excel cond. 727-7234.

64 OLDSMOBILE - 2 dr, auto trans w/superdrive, ps/pb. \$950. Nancy, 281-9012, 878-9600.

63 VW - Good cond, 80,000 mi. Make offer. Ext. 2744, 286-8702.

65 PLYMOUTH FURY WAGON - Ps/pb, air cond, good cond. Ext. 7755, home 7708.

65 VW BEETLE - White, radio, new brakes, clutch, orig owner, excel cond. \$650. Ext. 2341, then Ext. 28; AN5-7367.

Miscellaneous

TELEPHOTO - 250 mm f4.5, for Miranda, adapter, \$45; bellows made for Miranda, used once, \$30. Bill, 744-6433.

STEREO PHONOGRAPH & RADIO - Modern cabinet, Morse brand, excel cond, best offer. Ext. 7653.

GE WASHING MACHINE - 14 lb, filter flow, excel cond. \$100. 281-4547.

SEARS SAFETY HARNESS - For kids under 50 lbs, never used. Orig \$7.49, asking \$5. B. Warnquist, Ext. 613, 281-3467.

AIREDALE AKC - Female, 17 mos. \$90. 281-4547.

COMPL DRUM SET - Blue Speckle, like new, bass, snare, tom-tom, floor tom-tom, hi-hats, cymbals, bells, brushes, full set new covers. \$150. Ernie, Ext. 2934.

STEREO TAPE RECORDER - Roberts 770X, tube type, 6 mos old. \$225. V. Neill, Ext. 325, AT6-1268 after 6:30.

RIDING HORSE - Bay mare, 7 yrs old, lovable & gentle. Cox, 286-0651.

GRADUATION OR ANNIVERSARY GIFT HUNTING? Matching rhinestone necklace, bracelet & earrings-

sterling. \$35 sacrifice. D. Ripperger, Ext. 7440, AT6-0247 after 7.

10X12 WALL TENT - \$30; 3 burner Coleman stove, \$5. Bob, Ext. 7415.

UPRIGHT PIANO - Needs tuning & minor repair, best offer. J.P. Binnington, Ext. 2294.

KENMORE AUTO WASHER - \$120 & elec dryer (\$70), about 3 yrs old, excel, excel cond, or both/\$180. Ext. 7663.

LAWN MOWER - Sears 18" reel type, 2.5 hp, \$40; elec edger-trimmer, Lawnmate, \$12. AT9-0413.

FOLDING BED - W/inner spring mattress. \$15. Ext. 563.

SCHWINN BICYCLE - 24" Mustang. \$20. AT9-1780.

21" MOTOROLA CONSOLE TV - Works reasonably well. \$25. Ext. 7439.

BOOKS FOR CHILDREN - Elementary yrs, very reasonable, Ext. 7439.

FOR ADOPTION - Blk std poodle mix dog (father's breed questionable), handsome animal, 1 1/2 yrs old, male, adores children. Ext. 7439.

KROEHLER CONTEMPORARY FURNITURE - Green sofa & gold chair, sacrifice, moving. \$70. 475-5098.

GUITAR - HiLo steel string, good cond, case incl. \$20. Robin, 286-1372 after 6.

LIVING FRENCH - Compl language course, 40 lessons on 4 LP records w/manuals. \$5. J. Binnington, Ext. 2294.

GE AIR CONDITIONER - Good BTU Fashionette, excel cond, used 2 seasons. \$75. Ext. 2542.

FREE - Gerbils. W. Jule, Ext. 2498, 7706.

LOUDSPEAKER SYSTEM - Acoustic Research AR-4X, oiled-walnut enclosure. \$49. 281-4419.

BABY SCALE - \$4; high chair, \$2; child's rocker, \$1; playpen w/pad, \$4; rocking horse, \$3. Woodley, 878-0819.

POT BELLIED STOVE - \$10; treadle sewing machine, \$5. Woodley, 878-0819.

DINING TABLE - Maple, w/4 chairs, \$25; sofa, foam rubber, \$20; Gateleg table, \$8; record cabinet, \$5; mod chair, \$5; mahog bookcases, \$4 ea. Woodley, 878-0819.

ELEC HEDGE TRIMMER - \$12. 475-4394 after 5.

YELLOWSTONE TRAVEL TRAILER - 18', compl self contained, sleeps 6, many extras. AT6-8242 after 4:30.

BABY CARRIAGE - Dk green, very good cond, \$25; walker-jumper & bottle sterilizer. 286-3548.

YARD SALE - July 19, 10-4, 43 Paulana Ave, Bayport. Ext. 439.

NOVA TECH RADIO DIRECTION FINDER - AM, aircraft, marine. \$60. Cohen, Ext. 454.

FRIGIDAIRE - Side by side refrig-freezer, 1 1/2 yrs old, moving, must sell. Asking \$300. 325-1570 after 6.

BELT MASSAGER - Single spd. \$10. Dom, Ext. 7559, 732-6995.

BASSINETTE - On skirted rolling stand, \$5; folding training chair, \$1; "choo-choo" rocker, \$1; girl's ice skates, size 4, \$2. Ext. 355, 878-1062.

9X15 TENT - Dble side wall, outside alum frame, tent case, pole case, canopy, good cond. \$35. Dom, Ext. 7559, 732-6995.

UTILITY TRAILER - 4x8 metal body, good tires, lights, tail gate, accepts 1 1/2 ball. Dom, Ext. 7559, 732-6995.

TOP CARRIER - Sears, OK for most cars, used 4 wks. Ext. 613.

REG MIN FRENCH POODLES - Pups. Sonny, Ext. 2411, PA7-4925.

6 YR CRIB & MATTRESS - Blue enamel, mattress in excel cond, frame slightly scratched but very sturdy. Ext. 7624.

CHEST OF 5 DRAWERS - Blue enameled finish, good cond. \$10 firm. 878-0289.

BOOKCASE - Walnut stained, 4 shelves, 6' long, open back for use as rm divider if desired. \$5 firm. 878-0289.

500 WATT GENERATOR - Perf for use during a power failure. \$15. 878-0819.

SLIDE-IN TRUCK CAMPER 1968 - Side door, fully self contained, monomatic toilet, like new. Cost \$3100, sell \$2350. Dunn, 472-1530, 363-6098.

UNUSED FRENCH VOCABULARY CARDS - Set of 1000. \$1.95. J. Binnington, Ext. 2294.

FIRE ENGINE - Ages 2-6. \$7. Abe, Ext. 2594.

6 PC LIV RM SET - Couch, chair, 2 end tables, 2 lamps w/o shades. \$40. L. Branch, Ext. 2797, 732-3732.

RCA TABLE RADIO - Old but works well, \$3; single bed, \$2. 281-6412.

OVERSTUFFED SOFA & 2 CHAIRS - Good clean cond. \$35. J. Burbridge, Ext. 2478, JUS-3463.

FAN - 20" 2 spd, reversible w/thermostat, \$10; 10" rev table fan, \$3; roll away cot & mattress, \$4. 281-6412.

TAPE RECORDER - Sony-Matic TC-105, 4 track recording, new. \$135. Ext. 502.

AIR COND - Auto washer; must sell other household items, most like new, reasonable. Kerwin, AN5-7367.

4 STORMS & SCREENS - Alum, 48"x24", like new, self storing, \$6 ea; window sash, dble-hung, frame 51" high x 26 1/2" wide, \$2. Van, Ext. 2924; Sue, Ext. 7440.

SEARS 10" PORTABLE TV - UHF/VHF, new cond. \$45. Van, Ext. 2924; Sue, Ext. 7440, 751-8385 eves.

2 SETS TWIN BEDS - 1 set "bunkable"; pr pine book-cases, \$7 ea; book/storage shelves, steel, 6'x6', \$8. Van, Ext. 2924; Sue, Ext. 7440.

2 PC SECTIONAL SOFA - Excel construction, needs recovering. \$8. Van, Ext. 2924; Sue, Ext. 7440, 751-8385 eves.

FURNACE - Gas-fired, self-ventilating, thru the wall, 30,000 BTU, auto thermostat & blower, humidifier. \$100. Van, Ext. 2924; Sue, Ext. 7440.

2 PORTABLE CLOSETS - Mahog; antique pine table, \$12; Brawley work bench, 8', \$20; pr table lamps, \$2 ea. Van, 2924; Sue, Ext. 7440.

Real Estate

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

Houses

PATCHOGUE - 3 bedrm Cape, fenced corner, good location, will hold mtge for responsible party. \$15,900. GR5-7372.

BELLPORT/BROOKHAVEN - 7 yr old custom cape on 1/2 acre treed lot, 4 bedrms, den, liv/din rm w/fire-place, paneled kitchen, leaving Lab, priced to sell. 286-3548.

CENTER MORICHES - 8 rms, 4 bedrms, 2 baths, comfortable old house in a very pleasant neighborhood. \$17,500. 878-0819.

EAST MORICHES - Dutch colonial, 3 bedrms, 1 1/2 baths, 15x20 liv rm, fireplace, din rm, paneled eat-in kitchen, paneled spare rm, dble garage, beautifully landscaped. \$27,000. 878-1583.

YAPHANK - 8 rm house, laundry area, workshop area, finished basement, 1 + acre wooded plot w/ good garden, appliances, 10 min from Lab, 5 min from Expwy. \$20,900. Barnes, Ext. 2230, YA4-6943.

For Rent

FOR RENT TO 2 COUPLES - Lg unfurn house 5 mi from Lab, 8 rms, 2 baths, 2 kitchens, 1 yr starting 8/15. Ext. 2443, 281-4531.

Wanted

PLAY GROUP - For my 4 yr old boy, in your home, full time, 5 days/wk. Ruth, Ext. 502.

WOMAN'S BICYCLE - Ruth, Ext. 2962, 502 after 5.

HOME FOR PUPPIES - 3 female, 1 male Dachshund poodle mix, all blk. M. Stephens, Ext. 653, 744-8951.

HOME FOR DESERTED KITTENS - Males & females, grey & orange, 5-6 wks old. Bobbie, Ext. 2179.

ELEC REFRIG - Reasonable, for beach house. Ron, Ext. 2969.

TO RENT - 2-3 bedrm furn house, pref Bellport-Brookhaven-E Patchogue location, beginning 9/1/69 for 9 mos. 286-3623 after 7.

CERAMIC TILE INSTALLED - Repair & panelling. AT6-9304.

A MUSIC STAND - R. Galligan, 744-5458.

TENNIS OPPONENT - Of moderate competence who would like regular workouts. Platner, Ext. 2836.

TO RENT - 3 bedrm house for 2 mos, CSD #4, beginning 8/30, during completion of new house. AT6-3944 after 7/20.

POSITION - For mature woman, will babysit full or part time, own trans. G. Kobis, 732-9402.

TO RENT - 2-3 bedrm house in Shoreham area, beginning 9/69. F. Gonzalez, Ext. 7220.

26" GIRL'S BICYCLE - English type. 473-6506.

Carpools

WANT TO START CARPOOL - From Smithtown (West). Ext. 563.

PAYING RIDER - Would like ride from E. Islip. Ann, Ext. 7775.

DRIVER WANTED - For existing on-time carpool, Selden-Centereach area. C. Ferraro, Ext. 591.

FORM CARPOOL - Babylon-N. Babylon-W. Islip area. L. Russo, Ext. 2903.

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

JOIN OR FORM CARPOOL - Plainview vicinity. Elliot, Ext. 2103.

PAYING RIDER - Needs ride from Newport Beach, E. Moriches. Don, Ext. 481, 878-2025.

Boats & Marine Supplies

FIRE EXTINGUISHER - 5 lb CO2, needs repair, \$5. Bill, 744-6433.

12' PENYAN - Fiberglass hull, mahog deck & int, excel cond, 15 hp Evinrude, tank, many extras. \$150. GR5-2842.

24' CABIN CRUISER - Chris Craft, 130 hp, in water, equipped. \$850. Ext. 7373, MO1-6078.

15' PLYWOOD RUNABOUT - Fiberglassed, 20 hp Mercury w/steering & controls, custom upholstery, excel cond. Asking \$400. Irene, Ext. 574 after 4.

14' RUNABOUT - W/35 hp Evinrude elec start, all controls, trailer, ready for water. \$450. Ext. 7354, 744-8268.

ALCORT SAILFISH - Fiberglass-dacron, excel cond. \$200. C. Stewart, Ext. 7342.

17' DORY - 18 hp Evinrude (1968), new trailer, oars, anchor. \$500. Ext. 7460, EM3-6290.

16' FIBERGLASS SPAN-AMERICA - W/40 hp Evinrude elec start, in water. \$400. Mike, Ext. 7540.

Lost & Found

LOST - The Rochester Group's refrigerator (such as it is), last seen in west side test beam area, no questions asked. J. Sanders, Ext. 7697.

FOUND - Male puppy, 9 mo, all blk, Labrador-Setter mix, wants his home, please help him. Ext. 7542.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

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

5. Ads not carried because of space restrictions will be held for publication in the next issue.
6. Ads are run only once and must be resubmitted if they are to be repeated.
7. 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
 For Sale: Boats & Marine Supplies
 For Sale: Miscellaneous

- Wanted
 Carpools
 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.

(Name & Phone No. To Call)

Employee's Signature Life No. Ext.

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue