

BULLETIN BOARD

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March 10, 1966

BNL Short Subjects

Diver's Club, March 14

The quarterly business meeting of the Brookhaven Diver's Club will be held on Monday, March 14, at 8 p.m. at the Swimming Pool. All members whose dues are paid, will be issued copies of the constitution. After the meeting, the pool will be available for use, so bring your diving gear.

Discount Coupons to the Circus

Discount coupons for certain evening performances in April and May to the Ringling Bros. Barnum & Bailey Circus at Madison Square Garden are now available at the Recreation Office at 3 Center Street between 9 a.m. and 1 p.m.

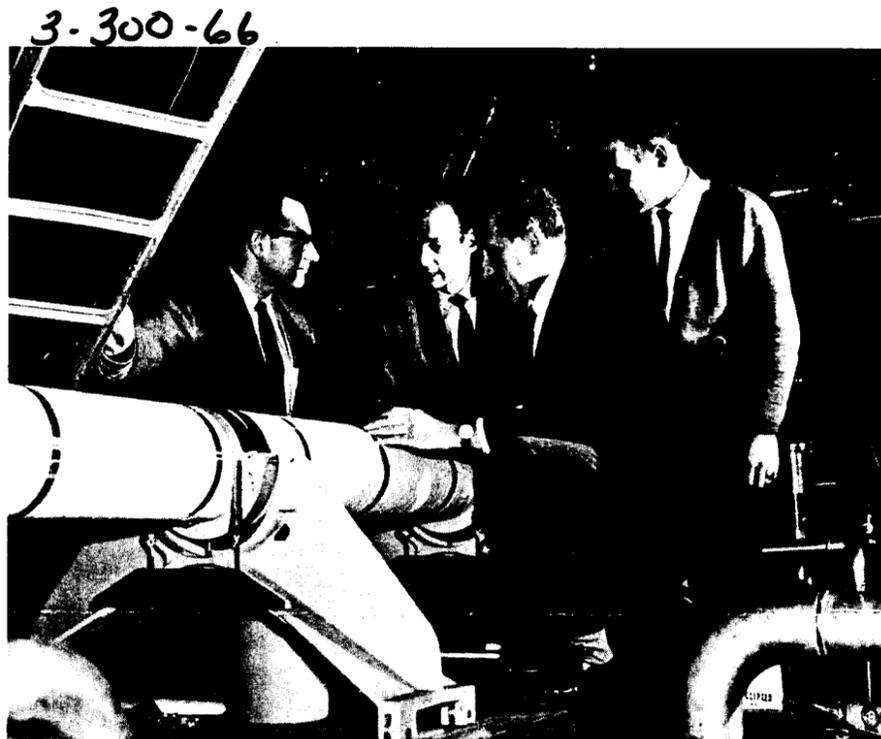
90 Office Machines On Display at S&M Sponsored Exhibition

Some 20 major manufacturers of office machines will participate in the Office Machine and Equipment Exposition sponsored by the Supply and Materiel Division.

The show will be held in the Gym on Monday, March 28, from 11 a.m. to 4 p.m. and on Tuesday, March 29, from 10 a.m. to 3 p.m., and will have over 90 different office machines on display.

Among the exhibitors are Xerox, Friden, IBM, Smith-Corona, Burroughs, Dictophone, Monroe Calculating, and Staplex. Representatives of the various companies will demonstrate their latest devices and will be available to discuss any problems concerning machines now in use. The show is open to all Lab employees.

New RF Beam Separator Delivers K Mesons at AGS



Four of the designers of the rf beam separator discuss the finished result. From left is Dr. Jack Sandweiss of Yale University, Dr. Harold Hahn, Mr. Henry Halama, and Dr. Horst Foelsche; the last three are with the Accelerator Department. The white tube is a 10-foot particle deflector. Photo by Doug Humphrey

Fifth BNL Scouters' Luncheon



At the Speakers Table for the Fifth BNL Scouters' Luncheon are, left to right: Bert Smith, President of the Suffolk County Council of the Boy Scouts of America; Emery L. Van Horn, Manager of the Brookhaven Office of the AEC; Clarke Williams, BNL's Deputy Director; John L. Barry, Police Commissioner of Suffolk County; Vincent J. Leary of the Budget Office; and Star Scout Larry Ballentine of Troop 100 BSA, Sayville. The 15-year-old Star Scout is the son of Dr. David Ballentine of the Nuclear Engineering Department; Walt Tucker of the same department is Larry's Scoutmaster. The Scout spoke to 75 attendees on "What it Means to be a Scout," and the Commissioner discussed the incidence of juvenile crime in Suffolk, and the training, responsibility and discipline to be gained from the Boy Scout program. "Rarely," Commissioner Barry said, "do we find a boy with a Scouting background in trouble with the Law." The Commissioner hailed the role of adults in Scouting, and urged that more responsible citizens take an interest in Scouting.

Photo by Bob Walton

A major step forward in the investigation of the nature of matter was taken recently when a radiofrequency particle separator began supplying a pure beam of K mesons (kaons) with a momentum of 12.8 BeV/c to the 80-inch Hydrogen Bubble Chamber at the AGS. This represents the highest momentum obtained to date with separated kaon beams.

The first rf separator of this type, which produces 10 BeV/c kaon beams, was put into operation at the CERN 28-BeV Proton Synchrotron at Geneva, Switzerland a year ago. The highest momentum kaon beam available at the AGS using electrostatic beam separators is 5.5 BeV/c. With the new rf separated beam it will be possible to study the interactions and measure the properties of kaons, antiprotons, and pions at selected momenta between 7 and 18 BeV/c. It is hoped that, as has always happened in the past, this extension into a new energy range will result in significant discoveries, including possibly new particles, which will shed

light on the ultimate structure of matter.

It is certain that rf separators will become increasingly important to high energy physics research since this method is capable of separating up to 100's of BeV/c; much of the research at the proposed 200-BeV accelerator will require rf beam separators.

The new rf beam separator, essentially an extremely sensitive timing device that allows only those particles with the correct velocity to go through, consists of two 10-foot rf deflectors separated by a 130-foot drift space. The two deflectors, iris-loaded waveguides similar to a section of an electron linear accelerator, guide a traveling electromagnetic wave. Particles from the AGS, previously selected for momentum by bending magnets, enters the first waveguide and travels through at the same speed as the wave. The particles thus experience a steady electromagnetic field, which deflects them through an angle that

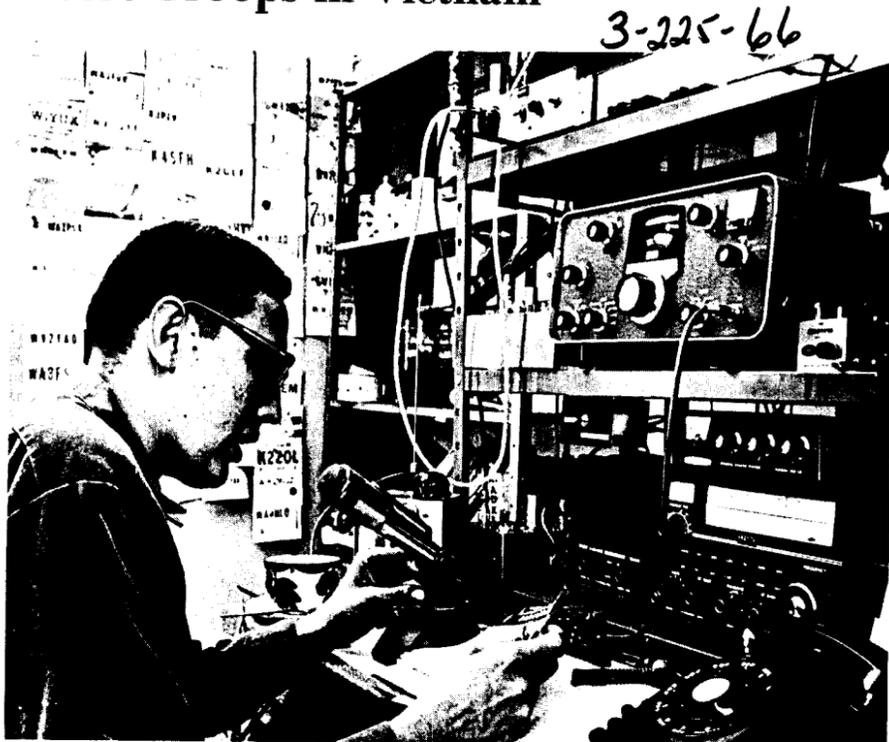
See RF Beam, page 2.

Radio 'Pony Express' Cheers Troops in Vietnam

Amateur radio operators – “hams,” long applauded for their willingness to provide communications in a crisis, are operating a message system, Pony Express Style, between GIs in Vietnam and their families Stateside.

Volunteer hams from all over the country are part of this network which passes the Vietnam-bound messages from operator to operator until it is channeled into a military affiliate system on the West Coast. From there the message is relayed through Guam or Hawaii to Vietnam and subsequently is delivered to the serviceman. The network also works in reverse, and thanks to these volunteers, the GI is provided with a quick personal message service that costs nothing and can send a communication and return an answer in as little as four days.

The cornerstones of this relay system are the ham operators who give of their time and effort, and without whom there would be no such system. Typical of this unselfish breed is John Moeser of West Islip, a night worker in the Lab's Physics Staff Shop, who spends his free time broadcasting, receiving, and delivering these messages. If a message originating in An Ke, Da Nang, or on a ship in the 7th Fleet is destined for this Long Island area, chances are it will be John Moeser who will take it off the air and phone it to the addressee.



WA2YOU SENDING TO VIETNAM - John Moeser, of the Physics Staff Shop, starts a message on its long journey to Vietnam. Photo by Bob Walton

“Most of the messages are pretty routine,” Moeser says, “but its the time element that makes the difference.” “It’s one thing to get a three-week old letter that says that your family is OK; it’s another thing to know that they are OK as of two days ago,” he said

To send a message to a serviceman in Vietnam, send the written message

to John Moeser, Physic Staff Shop, Building 510. Write plainly, and include the complete mailing address. If an answer is requested, include a phone number and the best time to call.

“I get a lot of satisfaction out of being a part of this thing. It’s something I can do to help, and I feel it’s my duty to help,” he said.

RF Beam . . .

depends on the time of arrival of the particle with respect to the wave amplitude.

All the particles arrive at the first deflector at the same time and are deflected by the same amount. They are then guided and focussed by magnets into the second deflector 130 feet further along the beam line. The particles arrive at this deflector at different times depending on their velocity, and are therefore deflected by different amounts and are separated. The unwanted particles are intercepted by a 36-inch thick block of brass, and the wanted particles are focussed and guided to the bubble chamber by a magnet system.

In the case of 12.8 BeV/c kaons, the beam system delivers on the average a bunch of 10 particles to the bubble chamber along with one unwanted particle (a mu meson). Without the beam separator there would be 1000 unwanted particles for every 10 kaons.

The rf-separated beam was built by the Accelerator Department as a joint project with Yale University. The rf separator was designed and developed by Harold Hahn and Henry

Halama of the Accelerator Department. The beam design was carried out by Horst Foelsche of the Accelerator Department and Jack Sandweiss, Professor of Physics, and Joseph Lock, research associate, both at Yale University. Significant professional contributions to the project were made by E.H. Foster, P.A. Montemurro, and J. Schuchman. Technical assistance was given by W.D. Murdock, M.T. Rebuehr, and R. Tulipano. All of these contributors are in the Accelerator Department.

For any given bubble chamber experiment a beam of about 10 particles of a particular kind and of a particular momentum are required. Too many particles or particles of unknown properties would mask and hopelessly confuse the interactions recorded in the chamber. The particles to be studied are produced when the AGS's high energy proton beam is guided onto a metal target. The collision produces a shower of secondary particles – kaons, pions, protons, anti-protons, neutrons, and others with different masses and different velocities. A beam transport system, consisting of many focussing and bending magnets and one or more particle separators, is required to remove the

unwanted particles and to guide the wanted particles.

The bending magnets eliminate all the particles except those of a particular momentum, but the particle separators are required to remove the particles of the wrong type (i.e. mass) with the same momentum as the wanted particles. (Since momentum is the product of mass and velocity, particles with differing masses and velocities can have the same momentum.)

The simplest form of particle separator consists of a very strong electrical field created by applying a high voltage between two parallel metal plates. As a charged particle passes between the plates it is deflected by an amount that depends on its velocity, so that particles with the same momentum but different velocities are deflected by different amounts. This separates particles with different masses, since heavier particles have a smaller velocity for a given momentum. This technique has practical limits imposed by the length of the plates and the voltages required (the 5.5 BeV/c beam at the AGS uses two electrostatic separators 45 feet long and operating at 500,000 volts).

Letters To the Editor

Slings and Arrows Department

To the Editor:

Four cheers for Bookless, Fajer, Egan and Heuss. Back to the days of envelopes, Wednesdays and 3 p.m. Friday.

The March 3 issue tells us that the BERA Film Series film is “Sawdust and Tinsel” . . . but neglects to say what night. Suppose it is the 10th . . . how can we remember that a week from now this movie will be playing? Suppose it is the 3rd . . . what is the point of telling us the movie for the 3rd on the day of the 3rd? Tell us Wednesday what is playing Thursday.

Please print the Bulletin Board on Wednesdays like in the good ole days.

Member

The Bulletin Board on
Wednesday Committee

Ed - The missing date is found in the first paragraph following the review of the short where it has regularly appeared these many weeks.

To The Editor:

In reference to the letter published in the Bulletin last week, we found the old format of 110.3 column inches in 3 columns with the old deadlines and restrictions, far preferable in content to your new publication of 192 column inches in 4 columns.

Kate Derrick
Tom Joldersma

To the Editor:

I would like to suggest that the Bulletin devote a little space in the Want Ad Department to contributed listings of “surplus” material for Lab use. For example: I have six boxes of Kodak Metallographic Plates, 9x12 cm, I cannot use. Perhaps some group could, so why process a purchase order if you can get it “free”? Without a doubt, there are many such items going to waste which could be put to good use. Such information would save the Lab a lot of expense in time and money.

J. Kelsch

Ed - Frank Walsh, Head of the Supply and Materiel Division informs us that there is an existing mechanism for the type of thing you suggest. Excess material is turned in to Supply and Materiel and periodically a list is distributed throughout the Lab. For more information, call Ext. 2704 or 2826.

Deceased

Robert P. Mac Donald, Architectural Planning – employed at Lab since February 21, 1949 as a Facilities Engineer II; died on March 5, 1966.

BERA Activities



Concert Series

**Golf Club
Deadline**

The deadline for renewing 1965 BERA Golf Club Memberships is May 2. Application blanks for renewals and for new members are available at the Recreation Office.

Softball Clinic

By John Sucher

The Softball Executive Committee held a meeting recently to discuss plans and to elect officers for the coming year. Those attending and the offices they will hold in 1966 are as follows: Fred Maye, president; Dean Easler, vice-president; Frank Bagamary, secretary; Tony Inghram, treasurer; John Sucher, publicity; Tom Prach, past president; and George Sabine.

Mr. Charles Boccia, Suffolk County Commissioner of Softball, detailed the Amateur Softball Association's purpose, functions and benefits. The committee unanimously decided to join A.S.A. and secure their umpires for the coming season.

In addition Mr. Boccia offered his services to conduct a softball rules clinic at the Laboratory. The committee whole heartedly approved the idea and the clinic has been scheduled for Thursday, April 7, at 5:15 p.m.

The Executive Board appointed Dean Easler Chairman of the committee and provided him with funds to supply free refreshments, beer, chips, and pretzels. To make the evening even more attractive, the committee is attempting to schedule a film of the 1965 World Series as part of the evening's program.

**Mixed Doubles
Bowling Tournament**

**3:00 p.m. Sat., March 12
Port Jeff Bowl**

Enough entries have been received in the Mixed Doubles Bowling Tournament to guarantee numerous prizes consisting of baskets and bottles of cheer.

Register at the desk when you arrive. The tourney begins at 3:00 p.m. Please come early.

Note: There will be no practice bowling on tournament lanes after 2:30 p.m.

Slo-Break Basketball

By John Van Norman

The second half of the basketball season is becoming very interesting. There are now four teams with only one defeat. In this week's action the Fire Department beat Biology. A revitalized Applied Math team coming off an upset victory over Physics, 36-23, crushed an undermanned Nuclear Engineering, 38-21.

Physics smarting under their loss came back with good team work and control of the boards to down the hitherto undefeated Old Timers 50-39. In this game Sheehan had 13 points, Johnson 12 and Andritz 10 for the winners. The big man for the Old Timers was Haller with 17 points. The standings to date are:

	Won	Lost
Applied Math	3	1
Old Timers	3	1
Dirty Sox	2	1
Physics	2	1
Fire Department	1	2
Biology	1	3
Nuclear Engineering	0	3

**Bowling
News**

By Emory Egler

After a week's lay-off BERA bowlers roll again with the following highlights during the week of February 27.

Rose League

Alchemists lead league by 7 points . . . M. Hein converts 6-7-8-10 split . . . R. Klimaski and B. Nine roll 628 gross series . . . L. Bartos's 153 average best in league.

Gray League

Bankers take 7 and gain first place by 1½ points . . . S. Earle joins 678 Club with his 680 gross series . . . Jenny's 169 average best in league.

Green League

Malinowski, Kriesberg, Phillips, Rhodes, and White all bowl games of 200 or over . . . Hambley has best scratch series for nite with 538.

Red League

W. Brown with two 215 games bowls 601 scratch series . . . R. Larsen rolls 600 even with a 222 game . . . T. Lehecka, K. Riker, G. Fales, and R. Loper have over 200 games.

Albert Fuller, Harpsichord



By Barbara Cartwright

The next performances in the BERA Concert Series will be given by Albert Fuller at the Brookhaven Center on March 15 and March 17 at 8:30 p.m.

At Yale University's School of Music, Mr. Fuller worked with Ralph Kirkpatrick, and graduated with high honors, winning the coveted Ditson Fellowship award. This grant allowed Mr. Fuller to pursue his special inter-

est in the keyboard of the French Baroque by giving him the opportunity to do a year's research at the Bibliotheque National in Paris. Shortly following his return to the United States in 1955 he began his career as a solo harpsichordist and published an edition of the keyboard works of Gaspard Le Roux, thereby establishing himself as both performer and scholar.

Mr. Fuller has performed at Lincoln Center's Philharmonic Hall, the University of California in Berkeley, the Cleveland Museum of Art, the Library of Congress and the Frick Collection. In Europe, Mr. Fuller was guest soloist at the Spoleto Festival in 1961 and in 1963 his major solo debuts in London, Paris and Amsterdam were greeted with much acclaim.

Mr. Fuller's programs at Brookhaven will be selected from the following composers' works: Rameau, Scarlatti, Handel, Couperin, and Le Roux.

The single admissions for each concert are: Adults, \$3.00; Children, \$1.50; and Non-Employee Guest, \$3.50. Those who hold season tickets will be admitted to both concerts at no extra charge.

Mr. Fuller will give a lecture at the Center on Wednesday, March 16 at 8:30 p.m. He will discuss the harpsichord as a musical instrument, its history and development as well as the composers who have written for the harpsichord. There will be no admission charge for this lecture.

Saturday's Rally

The Auto Sports and Touring Club will hold a Rally this Saturday evening, March 12.

Registration will start at 7 p.m. in the Cafeteria. The first car will be off at 8 p.m. Entry fees, per car, are: \$2, BLAST members; \$3, BNL employees; \$4, guests.

Any car can enter, but only two occupants to a car. No special equipment is permitted. A stop watch, slide rule and rally tables are allowed but are by no means necessary. A flashlight, however, is a definite must.

Refreshments will be available and trophies will be awarded at the completion of the Rally. For further information call Herb Teisch, Ext. 686.

Reminder Notice

Employees can pick up their Mobil Credit Card at the Service Station, Rochester Street.

Classified Advertisements

Autos, Auto Supplies

1958 FORD - 2 dr sedan, std trans, 6 cyl, ps, good transportation. \$75. HR3-3706.

1963 CHEVROLET - Chevy II, 6 cyl, auto trans, r/h, two tone, snow tires, excel cond. \$900. Svoboda, Ext. 470.

1960 PONTIAC - Convertible, clean, good cond, needs new top. Best offer over \$600. Ext. 2577.

1961 FORD - V8, Ranch wagon, std trans. \$600. R. Dvorak, Ext. 7232.

1961 CHEVROLET - 4 dr, Biscayne, 6 cyl, std trans, low mi, good cond. Baldwin, AT9-1568.

BATTERY - 12V Exide, dim are 11 1/4 x 13 1/4 x 8 1/2, used 2 mos. Cost \$24, will sell for \$15 or best offer. Buteau, AT6-9262.

TWO CARS - 1955 Buick, \$150; 1959 FORD, \$250. Both mechanically perfect. Roeser, Ext. 393.

1962 RENAULT - Caravelle, convertible, removable hardtop, 35 mpg, 4 spd trans, 27,000 mi, excel cond. \$600. Palmedo, Ext. 2741.

1960 CHEVROLET - Corvair, red, 6 cyl, r/h, auto trans, 57,000 mi, good cond. \$500. Doherty, HR3-7798.

CAM SHAFT - For Chevy 327 engine, 375 hp. \$25. Grigone, Ext. 2367 or 732-9384 after 5:30.

INTAKE MANIFOLD - For 283-327 Chevy engines, fits AFB carburetor. \$35. Ext. 2367 or 732-9384 after 5:30.

1964 YAMAHA - 80cc, under 3500 mi, excel cond, must sell, owner going overseas. Best offer over \$250. PE4-5910.

1957 RAMBLER - Asking \$125. AN5-3731.

1955 VOLKSWAGEN - Good cond, good tires, r/h, recently painted. \$200. Waski, Ext. 2807.

TIRES - 3 blackwall, 6.70x15, \$25; full 4 ply nylon, 2 tubeless, 1 tube type, used less than 600 mi. Costanzo, AT6-0024 after 5:30.

1957 DODGE - 2 dr, red/white, auto trans, ps, r/h, good cond. \$350. Laurine, Ext. 448.

1960 DE SOTO - 4 dr, Jamaica blue, auto trans, ps, r/h, new battery, excel cond. \$800. Laurine, Ext. 448.

1959 CHEVROLET - Biscayne, 4 dr, sedan, 8 cyl, auto trans, good running cond. \$295. AT9-3785 after 12.

1964 MERCURY - Montclair, 4 dr, hard top, fully equipped, a r cond, excel cond. \$2200. Ann, Ext. 2367 or 732-7384 after 6.

1962 FORD - Fairlane 500, blue, auto trans, ps, r/h, delux interior. \$895. John, Ext. 7163.

1962 FORD - Galaxie 500XL, tudor sedan, excel cond. Hughes, 281-5573.

Miscellaneous

MISCELLANEOUS - 2 American Flyer train sets & access; boy's hockey skates, size 4 & boy's figure skates, size 9, excel cond; 2 26" boys' bikes. Daniels, Ext. 7698 or GR5-4975.

SHORTWAVE RADIO - All transistor, portable, Zenith Model Royal 1000-1, never used. \$120 or best offer. London, Ext. 7626.

CAMERA - Zeiss Ikonta "C" w/coupled range finder, "Sync'd" Fox strob plus new case. \$45. Ferrer, Ext. 7684.

CAMERA - 35mm, Leica Model IIF, body only. \$50. Ferrer, Ext. 7684 or 878-0792.

MICROMETER - Brown & Sharpe 2"-3" measurements in .0001 plus case. \$16. Ferrer, Ext. 7684 or 878-0792.

MICROMETER - Lufkin 3"-4" measurements in .0001. \$15. Ferrer, Ext. 7684 or 878-0792.

PROTRACTOR - Brown & Sharpe Vernier with case. \$22. Ferrer, Ext. 7684 or 878-0792.

CARRIAGE - Bilrite coach, good cond, mattress & rainshield inc. Cost \$110 when new - asking \$35. Kleiner, 286-3726.

MISCELLANEOUS - Beige tweed rugs, 50x72 & 2 are 27x48, perfect cond, \$15; fireplace set, andirons, screen, tool set, black & brass, \$35. Penny, AT6-9721.

GIUITAR - In good cond for beginner, steel strings. \$15. Ronnie Ext. 2180.

WASHER & DRYER - Matching, Norge, 7 mos old, moved to garden apt that has machines. \$225. HR3-8459.

STROLLER - Imported German, wicker, like new. \$20. PA7-3608.

BABY BASINETTE - \$5. Ext. 2536.

STORM WINDOWS - Aluminum triple track, one screen two windows per frame, 4 are 31"x63", 5 are 28"x55 1/2", 8 are 31"x55". \$6 each. Micky, Ext. 2334.

WASHER - Frigidaire, auto, good cond. \$15. Bihn, Ext. 7631.

HIFI EQUIPMENT - Turntable (Rek-o-Cut, 33, 78) & Orthophon arm w/Empire 880 or Elac cartridge, birch plywood base, turntable needs idlers. \$30. Ext. 7731.

DRESSES - Size 9, worn once, purchased in Charlotte Shop, reasonable. Ann, Ext. 2367.

PIANO - Upright, good for beginner, needs tuning. Best offer. Tessie, Ext. 614.

BEDROOM FURNITURE - Hollywood bed w/custom built can backed headboard, double dresser w/antiques framed mirror. J. Friedes, SH4-5431.

TREE - Lowell No 191 fruit tree & ground sprayer used only a couple of times. \$5. Roe. Ext. 2700.

POODLE PUPPIES - AKC, born Jan 19, dewed, docked, wormed & weaned. Garrett, Ext. 2123 or 878-1002.

COINS - Two gold coins in excel cond. 878-0761.

PONY - \$80. 281-5792 after 5 weekdays & all day on weekends.

SPEAKERS - University M12D 12" high compliance, shallow design, rated, 30 watts/35 cps-1400cps. Knoedl, Ext. 7233.

MISCELLANEOUS - 24 hr deluxe electric clock for radio ham, \$8; Black & Decker 7/4" utility saw, \$25; airline soft luggage case, \$10. F. Kaiser, 751-1415.

MISCELLANEOUS - 4 track stereo tapes, new-US Marine band, RCA, \$4; waltzes of Irving Berlin, RCA, \$4; Harry James Today, MGM, \$4. Kaiser, 751-1415.

SPORTING GOODS - 35 lb bow & 6 target arrows, \$20; spear gun, \$5. All in good cond. Paul, Ext. 2390 or 475-5196.

RADIO EQUIPMENT - Dynakit mono preamp, \$40; amplifiers, 15 & 20 watts, \$25 & \$30; AR speakers Model 2AX (\$85) & Model 4 (\$42.50). Lieberman, Ext. 7732.

MISCELLANEOUS - Gorham Melrose pattern setting for 4, 20% off; 12" TV, \$50; tire chains, \$5; pilot AM/FM amplifier, \$15. Liberman, Ext. 7732.

ANTIQUÉ FIREARMS - Civil War Sharps carbine, 50 cal, shooting cond, orig blueing, \$100. Other firearms. Hamill, Ext. 2390 or AN5-3934.

PROJECTOR - Argus slide projector, equipped with Airequipt slide changer, both in excel cond. \$19.95. Sadofsky, Ext. 2709.

RADIO EQUIPMENT - Citizen's band transceiver, La Fayette HE15B. GR5-4199.

Boats, Marine Supplies

OUTBOARD MOTOR - Evinrude, elec start, 25 hp, remote controls, Cruise-A-Day tank, long or short shaft, runs well. \$50. Davis, Ext. 2133 or 7314.

TWO HEAT EXCHANGES - Cool up to 150 hp w/piping & strainers; remote reading Magnesyn compass, 12V new. \$25. Truman, Ext. 2741 or GR5-4627.

MISCELLANEOUS - Anchor, 13 lb, \$15; 2 burner stainless alcohol stove, \$20; 1" rubber impeller pumps w/pulleys, \$15 ea. Truman, Ext. 2741 or GR5-4627.

15' LYMAN - 35 hp Johnson, many extras. Make offer, might accept. Ulzheimer, Ext. 7373.

RITCHIE SKIFF - 26' long, 9'6" beam, 177 hp Chrysler V8, 300 engine hrs, 2 bunks. \$3500. Ext. 2213 or 475-6916.

30' NAVY LAUNCH - 115 hp V8, enclosed head, 2 bunks, ice box, 2 burner gas stove, many extras. Konon, AT9-0489.

1955 TROJAN SEA BREEZE - Two bunks, head, Gray 70 hp inboard, includes trailer & cradle. Downs, PA7-4363.

MARINE GAS STOVE - Propane, 2 burners, small broiler, ss construction. Cost \$75 new; \$20. Mann, Ext. 2221.

SMALL CABIN BOAT - Powered by 35 Johnson outboard, remote controls, trailer inc. \$425. Helfant, Ext. 2278.

Houses

MASTIC - 10 min from Lab, 3 bedrm Ranch w/aluminum siding, 200x288, all appliances. \$12,500. 281-6632 after 5.

MASTIC - 4 bedrms, Cape Cod, 50x218, landscaped, garage, full cellar, s/s, partially fenced, ceramic tile kitchen, h/w heat. 281-9476.

PORT JEFFERSON - 2 story, 4 bedrms, 2 baths, large living rm, fireplace, dining rm, 2 car garage, low taxes. \$19,500. Davis, Ext. 2712 or HR3-1523.

WEST ISLIP - 3 bedrm Ranch, oversized garage, s/s, city gas & water, 75x150, landscaped, near schools, shopping, parkways. \$13,500. Giller, JU7-4515.

PORT JEFFERSON STATION - 3 bedrm Ranch, all appliances, well landscaped. \$15,000. Zuroff, HR3-7292.

Wanted

BASS GUITAR - Good cond, plus any used learning books available. Reasonably priced. Ext. 481.

SNARE DRUM - With cymbal, stand. Reasonable. Strongson, Ext. 2926.

SUMMER MOTHER'S HELPER JOB - 16 yr old girl from large family is experienced cook, baby sitter. \$25 per week. Baldwin, Ext. 2727.

YOUNG HOT RODDER - To drive stockcar, 1957 Plymouth w/Chrysler 396 engine, was #2 car at track last year. Dennis, Ext. 7139 after 3:30 p.m.

HOMES - For 1 female and 3 male adorable puppies, will be small dogs. Stoffel, Ext. 2589 or AT9-3648.

USED HOUSE TRAILER - 18-22 ft, run gear and outer shell must be in good cond & reasonably priced. AT6-1092 after 5:30 or Ext. 2528.

APARTMENT - Furnished rm, apartment or house for summer student & bride, June 15 to Sept. 1. Baker, Ext. 591.

SEWING - Hems lengthened and shortened by hand, \$.75 and up. GR5-0037.

HOUSE OR COTTAGE TO RENT - Furnished on or near LI Sound, near Lab, for couple. WA9-4132.

BABYSITTING JOBS - For experienced babysitter needs extra cash for college, will babysit evenings & weekends in Mastic-Shirley-Mastic Beach area. Elizabeth, 281-5130.

BABYSITTING - Will take care of your child in my home while you work or shop. Lehmann, 281-5130.

Carpools

RIDE - Want to join existing carpool or form new one from Islip-East Islip. Hazel, Ext. 7148 or 581-4623.

DRIVER - Wanter for existing carpool from Port Jefferson. Skelton, Ext. 2950.

DRIVERS - Would like to add one or two drivers to existing two driver carpool from Riverhead. Bill, Ext. 444.

RIDE - Wanted to Suffolk Comm College at Selden, Monday & Wednesday, 6 p.m. class. Will pay liberally. Andy, Ext. 2516.

For Rent

APARTMENT - 3 1/2 rm furnished apt, 8 mi to Lab in Shirley. \$115 per mo. S. Tarantino, Ext. 574 or 281-7367.

COTTAGE - 3 rms, furnished, 5 min from Lab in Yaphank, pond waterfront, inc all utilities except heat, no lease. \$80 per mo. Lieberman, Ext. 7732.

APARTMENT - Hauppauge, 3 1/2 oversized rms, modern kitchen w/electric stove, refrig, air cond & thermostat control heat, 2 yr lease, util inc. Tanguay, 724-2916.

HOUSE - 4 1/2 rms, all util. inc except gas, avail around May 15, Lake Ronkonkoma area. JU8-3527.

HOUSE - Stony Brook, 4 bedrm Cape, 30 min to Lab, 5 min to University, 2 baths, stove, refrig, washer, dryer & dishwasher. 751-3491.

Found

Personnel Services
3 Center St. - 9 a.m. to 1 p.m.

KEY - Ford Car, found in Physics.

KEYS - 2 in white case, at Bank

RING - 1958, at A.G.S.

KEY - Cloverbrand, in front of Cafeteria

PEN - Gold, at Lecture Hall

KEY MEDALLION - "Pope", outside Exhibit Hall.

KEY - G.M., at 510

COAT - Man's tan.

SWEATER - Navy blue, at Gym.

GLOVES - Man's fur lined, at Cashier.

Classified Ad Policy:

The use of the classified section of *The Bulletin Board* is a privilege accorded to individuals employed at the Laboratory, to retired employees, and, in some cases, to the families of recently deceased employees. The following rules apply to all three classes of users (hereafter referred to as employees).

1. All items for sale or rent must be the property of an employee.

2. No want ads will be accepted for property associated with a full or part-time business. This includes merchandise, automobiles, real estate, etc., acquired for purposes of resale.

3. Ads must be typed or printed on the form provided in 20 words or less, and must be received by 12:00 noon on Friday for inclusion in the next week's newspaper. Only ads submitted on this form will be accepted. Additional copies of the form are available in *The Bulletin Board* office. If there is no Lab Extension where the person may be reached, a home phone may be substituted. Ads which do not conform to the above standards will be discarded.

4. Ads are run on a space-available, first-come-first-served basis; ads not carried because of space reasons will be held for inclusion in the next issue.

5. Ads are run only once; if you wish to repeat an ad it must be resubmitted.

- | | | |
|--|-------------------------------------|--|
| <input type="checkbox"/> For Sale: Autos & Auto Supplies | <input type="checkbox"/> Carpools | Check <input checked="" type="checkbox"/> the heading (1 only) |
| <input type="checkbox"/> For Sale: Boats & Marine Supplies | <input type="checkbox"/> For Rent | applying to your ad |
| <input type="checkbox"/> For Sale: Houses | <input type="checkbox"/> Wanted | Print or type your listing in the |
| <input type="checkbox"/> For Sale: Miscellaneous | <input type="checkbox"/> Lost Found | space below in 20 words or less. |

(Name & Phone No. To Call)

Your Name: (Print) Lab Phone Ext:

Lab Address: (Print) Signature