



Not Peace, But Ecology

Says G. J. Hardin

"Faced with the environmental crisis created by the myth of inevitable technological progress in a laissez-faire world, the message of modern biologists must be not peace, but ecology."

With these words ecologist Garrett Hardin of the University of California at Santa Barbara established the theme of his talk Tuesday evening to more than 400 ecologists and guests at Brookhaven National Laboratory. The occasion was the 22nd Annual Brookhaven Biology Symposium, which was devoted this year to Diversity and Stability in Ecological systems. Dr. George M. Woodwell of the BNL Biology Department was chairman of the three day meeting that ended yesterday afternoon.

In his talk, Hardin stated. "Ecologically minded biologists try to study entire systems of organisms. It is quite apparent that the tidings that ecologists bring is not one of sweetness and light.

"The most basic idea of ecology is that of a system. The practical implication of



Garrett J. Hardin

an ecological system is just this: we can never do merely one thing. It is folly to think that a pesticide only kills pests or a bactericide only kills bacteria. Living things are all a part of the web of life - the phrase is Darwin's - and we cannot touch a single species without tugging at relational strands extending in all directions.

"The mythic statement, 'You can't stop progress!' has, for more than a century, justified the most arrogant mistreatment of the common environment. The economic forces involved are well known The major problem I think, is an educational one. It has various facets. 'Progress' is the all but universal religion of our time; we must attack it without mercy.

"As people continue to increase exponentially, and as technological progress increases even faster, the byproducts of technological processes become more and more of a burden in the environment. Pollution becomes an increasingly more important symptom of overpopulation. Pushing back the black tide of a pollution is going to be a fantastically difficult job during all the years of our lives. The war for the preservation of humanity will involve many individual battles, fought one after another and concurrently.

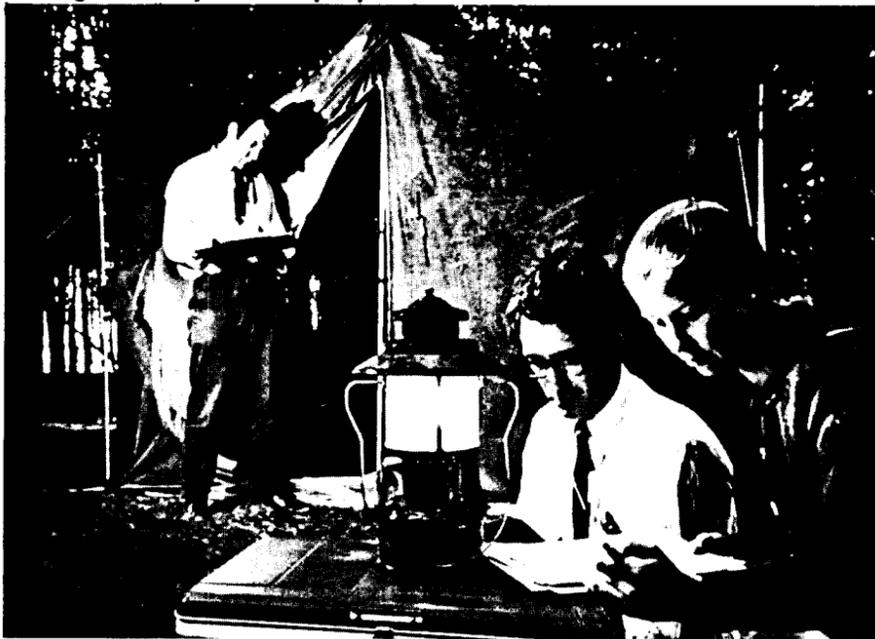
"Two centuries ago our people wrote a Declaration of Independence which has been of great historical importance. I wonder if now we do not need a new declaration, something which perhaps should be called a 'Declaration of Dependence,' to guide us in our crowded world?"

"I would suggest that we begin our Declaration of Dependence with these words:

We hold these truths to be self-evident, that the media of the world belong to all and to no one. Everyone has the right to use them; no one has the right to pollute them.

"Admittedly, adhering closely to this Declaration of Dependence will not be (continued on page 2)

Ecologists Camp At Camp Upton



Shirt and tie, and work on reports and conferences was the standard for those who camped at BNL during the 22nd Brookhaven Symposium on Biology. More than a dozen tents were set up near the softball fields by ecologists attending the annual symposium. Laurence Tilley (left) and Macreay Landry (seated) are joined at their tent by Mrs. Dee Anne Houston for a check of the next day's events. All three come from George Washington University, Washington, D.C. —Humphrey

LMFBR Meeting Gets "E" For Excellence

The Technical Working Group on Liquid Metal Thermal Science met at BNL last Thursday and Friday. This first meeting of the group was hailed by attendees as being successful both in terms of technical content and meeting arrangements. Delegates came from Oak Ridge National Laboratory, Argonne National Laboratory, the Division of Reactor Development and Technology-AEC, the LMFBR Program Office-AEC, the Advisory Committee on Reactor Safeguards, universities, and industrial concerns.

A total of twenty-three papers were presented dealing with areas of single-phase heat transfer and fluid dynamics, incipient nucleation, void propagation and coolant expulsion, and boiling heat transfer and two-phase fluid dynamics.

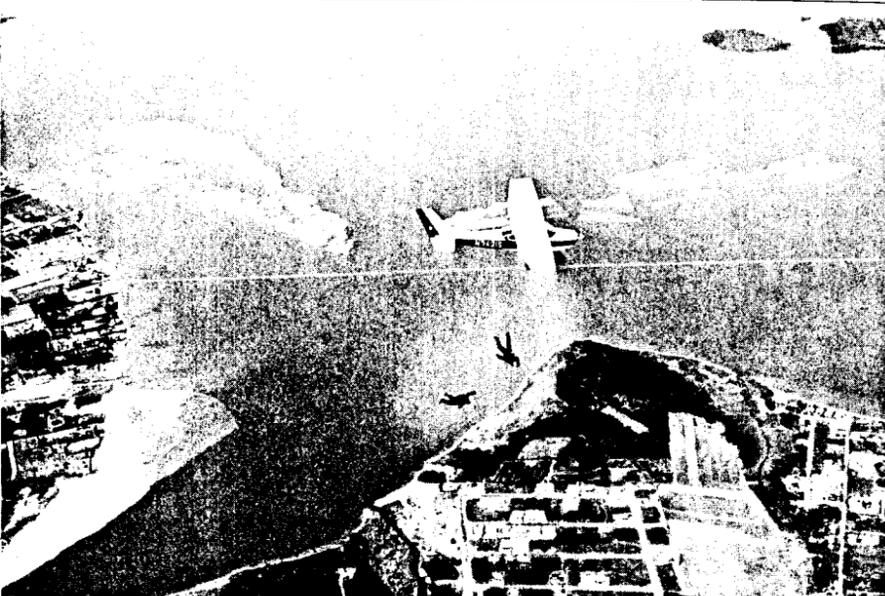
At the present time, these topics are of primary concern for the successful develop-

ment and design of the Liquid Metal Fast Breeder Reactor. The relatively informal atmosphere during the session encouraged free exchange of ideas among the workers around the country, and several people indicated at the end of the meeting that they found this to be extremely helpful.

Plans were made to continue such meetings for the Technical Working Group, with the second meeting tentatively scheduled for the fall of 1969. A comparable group in Europe sponsored by Euratom has extended invitations to coordinate efforts with the U.S. group. It is likely that representatives will be exchanged between the two groups at future meetings. It is hoped that such cooperation both between U.S. investigators and with their counterparts in Europe, will be effective in furthering the engineering research and development efforts in this field.



Between sessions of the Technical Working Group on Liquid Metal Thermal Science, this group was caught as they checked notes at the reception desk. Left to right are: Dr. Orrington Dwyer, DAS; Dr. John Chen, DAS, conference co-chairman; Dr. Ronald Scroggins, Division of Reactor Development and Technology, USAEC, conference co-chairman; Dr. H.S. Isbin, University of Minnesota, Representing the Advisory Committee on Reactor Safety for the AEC; and Dr. H.W. Hoffman, Oak Ridge National Laboratory. —Humphrey



The two men who have just jumped from the plane at 7500 feet over the Moriches Inlet are practicing their hobby of free falling. They are Al McInturff and Gerald Fetten, BNL employees. Story and more pictures on page 3. —Humphrey

UN Nuclear Group Meets Here Monday

Next week, June 2 through June 6, the International Nuclear Data Committee will meet at Berkner Hall. Formed by the United Nation's International Atomic Energy Agency, the INDC has the dual purpose of serving as a means of promoting international cooperation in all phases of nuclear data activity, and advising the Director General of the IAEA in this field.

The group, which held its first meeting in Vienna in May 1968, is a continuously active working body which complements the activity of the IAEA's Nuclear Data Unit. The INDC has profoundly influenced and promoted action in the compilation and exchange of neutron data, standards for neutron cross section measurements, and international meetings. The success of several significant reactor development programs, including the sodium-cooled fast breeder reactor, depends on the utilization of such data.

The American member of the eleven-member committee is George Kolstad of the USAEC, who is assisted by W.W. Havens, of Columbia and R.F. Taschek of Los Alamos, acting as technical advisors. Other countries represented on the committee include the United Kingdom, France, West Germany, USSR, Poland, Brazil, Australia, Japan, Denmark, Canada, India, and Mexico. International organizations such as Euratom also participate.

In connection with the committee meeting, a topical conference on "Neutron Capture Cross Sections and γ -Ray Spectra" is to be held on Wednesday, June 4, at Berkner Hall. Open to all interested observers, the conference will describe worldwide efforts in the measurements of neutron capture and the γ rays following such interactions.

R.E. Chrien, of the Physics Department, is serving as the local secretary and conference organizer for the meeting.

Expressway Soon Open?

The portion of the Long Island Expressway south of the Laboratory, approximately from Yaphank to Calverton, may be opened to the public as early as June, 1969. (The Holbrook-Medford section is about a year away from completion). In any event, the Laboratory is ready to provide direct access to the Expressway when it opens, via a new south gate on South Upton Road, which connects directly to the west bound expressway service road.

When in operation, South Upton Road will be open on regular work days only, for incoming traffic during the morning rush (one-way north) and outgoing traffic at night. (one-way south)

From 0730 to 0900, expressway traffic from the east will be able to enter from the westbound service road of the expressway, pass through the new gate, proceed north on Upton Road and then must turn east on Princeton Avenue.

From 1630 to 1730, traffic will be able to enter South Upton Road only from the westbound lanes of Princeton Avenue, proceed south on Upton Road to the westbound service road of the expressway and there enter the expressway.

The West (Main) gate and North gate will of course continue in operation as before.

Do Mailing While It's A Bargain

On July 1, 1969, first class mail rates will be increased by one cent, bringing the postage rate on first class letters to seven cents an ounce and post cards to six cents.

In announcing the hike, Postmaster General Winton Blount said the the increase was due to a record \$1.2 billion 1970 postal deficit.

There will be no increases in second and third class mail until July 1, 1970,

Coming Attractions

- 5/30 Memorial Day - Holiday
- 6/11 BNL Lecture (H. J.C. Kouts)

Fire Science Taught Here



BNL Fire Captain Edward McFadden describes the BNL site map and the central fire alarm system to members of the Suffolk County Community College Fire Science Class who visited the Laboratory on May 15. Leonard Baker (I & HP), instructor of the Fire Science Course in the Evening Division of the College, arranged the tour to complement classroom studies. Besides visiting the Fire House, the group also went to the HFBR for an explanation of the RR/FT system and special evacuation alarms; to Compton House to view the sprinkler water flow, smoke detection and magnetic door devices; to the Chemistry Department for an explanation of the CO₂ System and special annunciator; to the Physics Department to see the tubing system; and to the Applied Mathematics Department to view the computer fire protection.

—Rosen

Hardin Lecture

(Continued)

easy because we must first undo calamitous and pathological arrangements created in the past by an unthinking worship of the god Progress. I think that the true progress toward a livable world will come faster once we insist that the media are not to be used as unsupervised common property, and that the cost of ensuring that an industrial process does not degrade the media is not an externality of the process but a true internal cost. Misunderstandings, public apathy, vested interests, and widespread addiction to the religious opiate called 'progress' will make for a spirited and at times bloody warfare. But once the magnitude of the issues involved is understood," concluded Hardin, "who would prefer peace?"

The summer conference which is held each year at Brookhaven got underway with the arrival on Sunday afternoon of a score of ecologists who camped in tents on the Laboratory site.

On Tuesday afternoon, formal sessions were suspended in favor of tours of the Laboratory site, including a visit to the Ecology Forest. One group went to Fire Island to see the Sunken Forest and the Fire Island National Seashore.

Second Brookhaven Semester Graduates



The six students who attended the second Brookhaven Semester were presented certificates at the completion of their studies at BNL. They are, left to right: Kenneth Hinson, and Jacqueline Kennedy, Prairie View A & M; Alfred Stinson, Jarvis Christian College; Linda Parker, Langston University; Lucille Croom, Talladega College; and Brenda Choyce, Grambling College.

—Humphrey



Brenda Choyce presents her final research report to an audience of advisors and Lab officials.

Official Calls on FTS

Increased usage of the Federal Telecommunications System (FTS) has led to a few abuses, some unintentional and some planned. In order to avoid future difficulties, ground rules for FTS are repeated below.

The FTS is a government network of leased long distance circuits which operate on a direct station-to-station basis for official calls at a reduced rate. Use of the net for personal business is prohibited by law, and could result in suspension or dismissal.

Personal long distance calls can be made from a Lab phone by either calling collect or using a telephone company credit card.

Another way of making personal calls is by dialing the operator and letting her place the call as explained in the initial pages of the BNL Telephone Directory. A service charge of 20 cents will be added when the call is billed to you at the end of the month.

Rifle and Pistol Club

A meeting of the BNL Rifle & Pistol Club will be held at the Recreation Building on Friday, June 6 at 8:00 p.m.

Art, Science Combine In BERA Exhibition

An exhibition of models of the inventions of Leonardo da Vinci will be on view at BNL for two weeks starting Friday June 6.

The exhibition of the 15th-century artist-scientist's work, on loan from the Department of Arts and Sciences of International Business Machines Corporation, includes 22 models built from Leonardo's scientific and technical drawings. Models in the show include both practical and theoretical devices. Among them are a paddle-wheel ship, an idea that was not successfully developed until the advent of steam power in the 19th century; a theoretical gear system that produced three speeds of rotation, as in the modern automobile transmission; and a device for determining the tensile strength of wire.

Leonardo was fascinated with the possibility of human flight and devised many schemes for flying machines, including ornithopters - whose principal support and propulsion comes from flapping wings. A model of an ornithopter in the show follows an early design calling for a lattice-like wooden framework, two movable wings, a series of ropes and pulleys and a windlass. This was to be operated by the flyer, lying prone in the framework.

The exhibition has been brought to Brookhaven by the BERA Art Committee and will be shown in the meeting rooms of Berkner Hall, next to the cafeteria. The show will be open from 11 a.m. until 5 p.m. during the week, and in the evenings when other activities are taking place in the Berkner Hall auditorium.

AEC Surplus Equipment Available to Colleges

Chairman Glenn T. Seaborg, U.S. Atomic Energy Commission, announced an addition to the Commission's program for assisting colleges and universities in establishing or up-grading courses of instruction in the nuclear sciences and engineering. The new program makes available through grants to colleges and universities in the U.S. used nuclear-type equipment which no longer meets AEC requirements.

Among the items which may be granted are radiation detection, monitoring and counting instruments, critical and sub-critical assemblies, pulsed neutron generators and small accelerators. Neutron sources and other radioactive materials will not be included under the new program unless they are specifically designed for the particular equipment being considered for a grant.

Used nuclear-type equipment under this program will be identified by faculty members principally through contacts with personnel at AEC laboratories. As the program develops, it is envisioned that lists of nuclear-type equipment available under the program will be accessible for faculty review at each AEC laboratory. If needed equipment is located, the faculty member will be required to prepare a proposal outlining how the equipment will be used for instructional purposes. Brochures are available from AEC laboratories or the Commission's Division of Nuclear Education and Training which provide instruction on how to prepare and process such a proposal.

The costs of packing, crating, and shipping of the equipment must be borne by the institution. If equipment to be granted needs repair or modification, the institution will be responsible for such charges.

Service Awards - May 1969

| | |
|-----------------------------|--------------|
| Twenty Year | |
| Brandon, James B. | DAS |
| Der Mateosian, Edward | Physics |
| Feigenbaum, Irving L. | Physics |
| Fernandez, Edmundo | Medical |
| Irsa, Adolph P. | Chemistry |
| Kiesling, Clifton | DAS |
| Pollock, Dorothy S. | Chemistry |
| Roush, Bobbie M. | Graphic Arts |
| Sowiak, Mary | S&M |
| Ten Year | |
| Brockmann, A. Eric | Accelerator |
| Caiazza, Emil J. | Photography |
| Durose, Richard J. | Medical |
| Henderson, August G. | PEP |
| Hotchkiss, Richard F. | Accelerator |
| Klotz, Paul J. | DAS |
| Marr, Robert B. | Applied Math |
| Mohlmann, Eugene C. | Purchasing |
| Walser, Paul L. | PEP |

May Is The Month For TIAA - CREF Changes

Every year, during the month of May, participants in the A.U.I. Retirement Plan may request that the apportionment of their contributions between TIAA and CREF be changed. Such changes apply to contributions made by the Laboratory as well as those made by the employee and are effective the July 1st following the change request.

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Public Relations Officer

Arrivals & Departures

Arrivals

Michael A. Laino..... P.E.P.
H. Deborah Michienzi..... Personnel
Anthony C. Nunes..... Physics

Departures

John S. Read..... P.E.P.
Cielo Maria Santiago..... Chemistry
Ruth E. Hannigan..... Physics
Michele A. Mead..... Medical
Barbara Heidtmann..... Medical

Dining Hours Changed

The Brookhaven Center and the Cafeteria will be closed on Memorial Day, May 30, 1969.

The Snack Bar will be open on that day from 9 a.m. until 2 p.m.

Cafeteria Menu

Week Ending June 5, 1969

| | |
|---|-----|
| Friday, May 30 - Memorial Day | |
| Snack bar open 9 a.m. to 2 p.m. | |
| Monday, June 2 | |
| Chicken Rice Soup | |
| Roast Round of Beef/Natural Gravy | .65 |
| Potato Pancakes/Applesauce | .55 |
| Chili Con Carne over Rice | .60 |
| Sloppy Joe Hero | .65 |
| Tuesday, June 3 | |
| Fresh Vegetable Soup | |
| Baked Virginia Style Ham | .65 |
| Beef Croquettes/Cream Gravy | .60 |
| Baked Stuffed Green Pepper | .65 |
| Sausage & Pepper Hero | .65 |
| Wednesday, June 4 | |
| Lima Bean & Bacon Soup | |
| Roast Tom Turkey/Celery Dressing/ Giblet Gravy | .65 |
| Baked Savory Meat Loaf/Brown Gravy | .65 |
| Polish Sausage/Baked Beans | .65 |
| Wednesday Special - \$1.20 | |
| Cup of Soup | |
| Baked Meat Loaf, | |
| Green Beans, Whipped Potatoes | |
| Bread & Butter | |
| Choice of 20¢ Dessert & 10¢ Beverage | |
| Thursday, June 5 | |
| Chicken Gumbo Soup | |
| Steamed Corned Beef | .65 |
| Chinese Beef & Peppers over Rice | .65 |
| Baked Macaroni au Gratin | .55 |
| Beef & Pepper Hero | .65 |

Aviation Club

The BNL Aviation Club will meet at the Recreation Building on Thursday, May 29 at 8:00 p.m.

A Good Ship Is A Clean Ship

Are you carrying too much ballast? Have the barnacles joined you on the bridge? If that is the case, be of good cheer for help is near.

The Supply & Materiel Division annual "Housecleaning Week" begins June 16th. During that time we offer the use of our personnel to facilitate your return to a ship-shape status. Obsolete or unused capital equipment is as useless as a broken rudder, but the equipment can be of considerable value if put to use where needed.

The Property Management Section of Supply & Materiel Division will arrange transfers, loans, and act as sea lawyer in any boat swapping between departments. Reach for your binoculars and take a L-O-N-G look around at your equipment and supplies, and like Columbus, make your discoveries. Charted courses and telephone numbers for your ship-to-shore communications will be made available in the next edition of this publication.

Sky Diving Is A Down To Earth Hobby

It takes Bob Busch twenty-seven minutes to pilot his plane to an altitude of 7500 feet. It takes his passengers, Al McInturff, Gerry Fetten and Bill Busch, just three minutes to float back down to terra firma. They do it the easy way - or the hard way, depending on your point of view. The three men just step out of the plane and fall. Quite casually, and quite expertly. They are skydivers.

All four men are members of the Long Island Sky Divers, a 21-member organization that has its headquarters at a small airport in East Moriches. The four men have accumulated many hours in free falls during the hundreds of parachute jumps they have made.

For the past six years the club as a group has made various demonstration jumps for local festivals and July Fourth celebrations in Sag Harbor, Riverhead, Port Jefferson, Jamesport, and Patchogue. They have also jumped at the Suffolk County Fair and the Grumman Air Show.

All of the ENL members of the club are "D" license holders of the United States Parachute Association, and use chutes called non rigid gliders, that give more lift than a regular parachute, and can be steered. They all pack their own chutes under the supervision of Bill Busch, who is a certified parachute rigger. Generally they make their jumps from an altitude of 7500 feet, free-falling for some time before opening the main parachute.

On Wednesday, June 4, the BNL members of the sky diving group will show a sound-color movie called "This is a Sport." The movie was shot on Long Island, and shows the club members in action. The footage was made by the club photographer who has made over 1000 free falls.

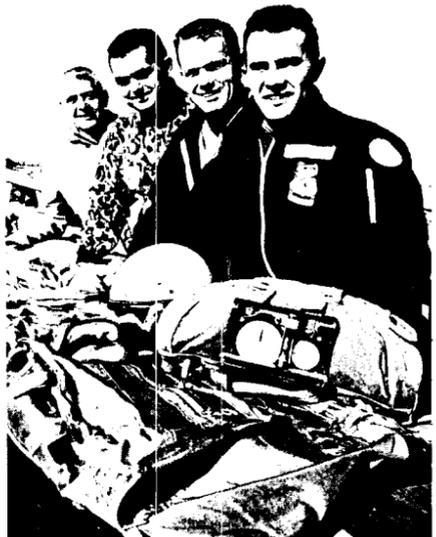
The 20-minute movie will be shown in the AGS Seminar room starting at noon. After the showing, some of the club members will be available to answer questions.

Al McInturff spreads his arms wide as he goes out of the plane at 7500 feet over Eastport. After a period of free fall he will open his main chute and land in a target area near the Montauk Highway in East Moriches. At top of the picture is the town of Riverhead.

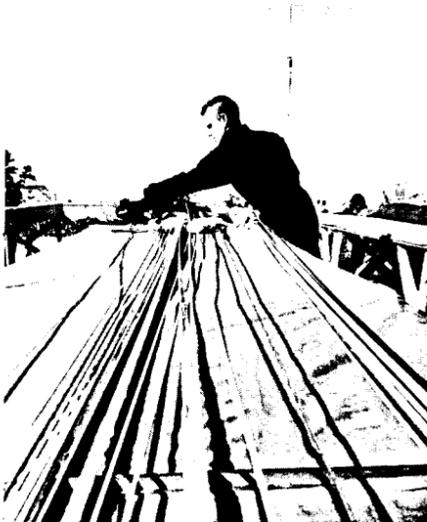
—Humphrey



Gerry Fetten plots a landing using a photograph of the drop zone. Bob Busch is the pilot.



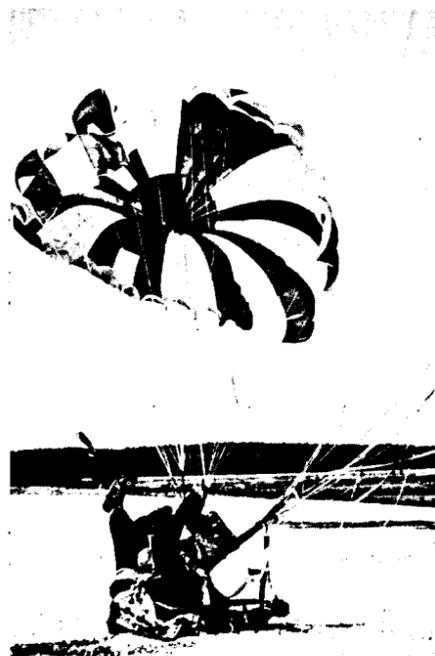
The BNL Sky Divers: Bob Busch, Bill Busch, Al McInturff and Gerry Fetten. In front is an emergency chute with an altimeter that causes it to open automatically.



Al McInturff packs his parachute for the next jump.



Al McInturff (back to camera) watches as Gerry Fetten glides in to a landing.



The chute collapses as the jumper hits the ground ready to pull in lines.

Softball

Tom Lee

Brookhaven League

Tuesday Night - Rained Out
Thursday Night:

Blue Jays 17 - Make-ups 7
The Birds are flying high winning their 3rd straight. HR's by G. Oldham, T. Prach and E. Sives.

National League

S&M 4 - Bubble Boys 0
Metallurgy 6 - Rat Pack 1
Potsareebies 17 - Six Pac 8
AMD 11 - Phoubars 5
M. Guacci pitched a shutout for S&M with relief work by F. DeRosa. Guacci helped his own cause with HR. R. Muldrig also HR'ed. Great defense by both teams.

Metallurgy cooled the Rat Pack's bats behind R. Jones' fine pitching. A fine defensive game for both teams.

AMD won over Phoubars with E. Taylor's outstanding defense in left field.

Laboratory League

Bio-Meds 21 - Chemistry 8
Deadwoods 11 - Charlie Browns 3
Mets 40 - Converts 4
Bio-Med's offense continues to tear up the league.

Deadwoods won again working up to showdown with Bio-Meds. HR's for M. Brooks and J. Mallins Deadwoods.

Seeing the Mets didn't call in any information on their game. All I can say is 40-4!!!

Soccer

Southampton College 3 - BNL 1

Out for revenge, the college team allowed us no time in which to settle down in our second encounter on Thursday, 22nd May. By quick tackling and eager running they gained possession of most of the loose balls. Although Webster put us ahead mid-way through the first half with a fine run and shot, the scores were levelled by half-time. In the second half a stiffening breeze added to our worries and the college deserved their two further goals.

Practice games are held every Monday evening at 5:30 p.m. on the No. 3 softball pitch. Anyone interested in playing is urged to come along then, or to contact M.T. Hutchings, Ext. 7608, or D. North, Ext. 7363.

Big Gun Winners

Seven rifle shooters showed up for the first round of the Large Bore Shoot. First place was taken by Walter Kane of Physics who won 100 rounds of ammunition with a score of 332 out of a possible 400. Second place was taken by Alfred Lukas of Instrumentation and Health Physics who won 50 rounds of ammunition with a score of 309.

The next shoot will take place on June 7th at 0900, at Brookhaven Town's Medford Range. Everyone is invited to participate.

—Frank Rumph

Round Robin Match

The second Round Robin Pistol Match of the 1969 season was held on May 17th at the BNL Pistol Range.

In the 38 Cal. individual event the winners were: Capt. F. Bugala, Laboratory Police, 1st place, Class A with a score of 292; P. Mercier, PEP, 1st place, Class B with a score of 266; J. Rutherford, DAS, 1st place, Class C with a score of 250.

In the 38 Cal. two-man team event the winners were: J. Barry, PEP and Capt. F. Bugala, Laboratory Police with a team total of 576.

In the 22 Cal. individual competition the winners were: J. Barry, PEP, 1st place, Class A with a score of 259; P. Buhl, I&HP, 1st place, Class B with a score of 224; P. Mercier, PEP, 1st place, Class C with a score of 162.

The next match is scheduled for June 14 at 10:00 a.m. All employees are again invited to join the club and participate in the matches.

BERA Golf Association

Membership in the Golf Association is open to all employees upon payment of a nominal registration fee, and entitles you to participate in all the tournaments and special events the club schedules during the golfing season. In past years we have offered several 9-hole tournaments which were played right after work at one of the several neighboring community courses. Several of these matches were followed by a get-together and a buffet.

The nature and number of our tournaments and league play varies from year to year depending upon the interest in the program and the size of our membership. However, one can be assured that a full calendar of events will be planned. As a member you will have no difficulty finding a golfing partner.

Our committee organizes teams, generally two men (or ladies), into leagues which vie for the BNL golf title annually. The winners of this play have in the past been sent to compete in the National Industrial Recreation Association's tournament.

Family Camping

The Brookhaven Family Camping Club cordially extends an invitation to all who are interested in family-style outdoor living. We have a spacious free campsite right here at BNL located west of the BERA field area on Fifth Street.

Camp-outs are scheduled on site during the Spring, Summer and Fall seasons. Special events are usually planned for these meets, and have in the past included field events for children of all ages; pancake breakfasts, clambakes, and nightly gatherings around the fireplace. Trips are made to campsites throughout New York State and other areas within short driving distance from home base. The cost of these trips usually includes the rental of the site.

Monthly meetings are geared to a relaxed atmosphere and films of mutual interest are shown. Refreshments are served following our evening meetings which are held at the Recreation Building on York Lane. Our featured annual events include a combination pot luck supper, Christmas party and a trip to Sag Harbor during the Whalers' Festival.

333 - Fire Emergency
444 - Police Emergency
555 - Medical Emergency

Classified Advertisements

Positions Available

MACHINIST (1) - Central Shops.
Application deadline: June 6, 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

60 FORD STATION WAGON - Ps/pb, V8, r/h, \$150. 744-2552.

ROOF RACKS - Heavy duty, like new. \$10. F. Strier, Ext. 316.

65 PONTIAC VENTURA - 2 dr hd tp, turquoise, auto trans, V8, ps/pb, pwr windows, low mileage, excel cond. \$925 firm. 281-5289.

61 BUICK INVICTA - 2 cr sedan, V8, ps/pb. Very reasonable. J. Bunt. Ext. 7415, 680.

66 JAWA MOTORCYCLE - 250 cc, 5,000 mi, excel cond, tools, manual. \$250. G. Malcolm, 289-1925.

66 CHEVY BISCAINE - 6 cyl, 2 dr, std trans, r/h, very good cond. \$850. Tom, Ext. 2971, 286-1378.

67 VW FASTBACK - Excel cond. \$1650. Ext. 2971, 298-8173 after 6.

64 FORD GALAXIE CONV - Maroon, good cond. \$775. Ext. 7351

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

62 RAMBLER AMERICAN - 2 dr sedan. \$200. Lou, Ext. 7411.

66 CHEVY - 6 cyl, 2 dr, std trans, r/h, excel cond, white/red int. Bonnie, Ext. 2745; Dennis, Ext. 7356, 732-0171.

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

50 CHEVY - Beach buggy, split rims, 3 spd six, eng & body excel. Asking \$100. Chip, 475-7227 after 6.

64 VW BUS - Excel cond. \$800. JU8-3385 after 6.

62 MINI MINOR - F. Merkert, Ext. 7639, 732-3003.

66 CHEVY II NOVA - 4 dr sedan, 6 cyl, std trans, new tires. \$1100. Ext. 7559, 286-3649.

WORKSHOP MANUAL - For '65 Plymouth. \$3. Ext. 2708.

65 GTO - Auto trans, 2 bbl carb, 2 dr, 7 tires, 43,000, excel cond. \$1200. Joe, Ext. 7232.

57 FORD FAIRLANE 500 - 2 dr sedan, factory rebuilt Thunderbird eng, r/h, good trans. \$75. George, Ext. 7168, 475-3792.

67 DODGE CORONET 500 DELUXE - Silver grey/blue int, auto trans, p/s, r/h, new w/w, 4 dr, V8, warranty, 21,000 mi. \$1850. or best offer. Herb, Ext. 2868, 744-5238.

REBUILT 4 BBL "283" CARB - \$10; new, in orig carton, '58-'60 6 cyl carb for shift car, \$12. John, Ext. 2143.

64 CADILLAC CONV - Excel cond, all pwr, air cond. Asking \$1250. Ron, HR3-3576.

62 PONTIAC TEMPEST - Auto trans, 2 dr, r/h, good running cond. \$350. Chandra, Ext. 7802, 2761 after 6.

60 OLDSMOBILE - 4 dr sedan, auto trans, ps/pb, many new parts, runs well. HR2-1078 after 6.

4 VW TIRES - 5.60x15, 2 mounted, almost new. \$35/set. I. Meyer, Ext. 463.

65 VW BEETLE - Radio, new brakes, excel cond, orig owner. 265-7367.

66 MUSTANG 2 + 2 - Auto trans, V8, low mileage, very good cond. 289-5469.

Boats & Marine Supplies

CANVAS SAILS & BAG - Mainsail 14' luff, 8'3" Foot & 15'8" Leech, J b 10' luff, 3'9" Foot, 11' Leech, good cond. \$10. Ext. 2273.

1965 BOAT TRAILER - 700# cap, 16' boat, winch. \$90. R. Meyer, Ext. 2928, LT9-5757.

20'6" NARRASKETUCK SAILBOAT - All bronze hdw, winter cover, anchor, Moir & 2 jibs, rigged for single-handed sailing. AT6-8926.

20' CHRIS CRAFT 1967 - Fiberglass, 150 hp inboard-outboard, fully equipped. LT9-6016.

18' LAPSTRAKE - 80 hp Johnson Electromatic, Cox trailer w/electr c winch, excel cond, many extras. JU1-8146.

14' RUNABOUT - 35 hp Evinrude, plaid top, full mooring cover, fiberglassed bottom. \$350. 475-5167.

27' CHRIS CRAFT CRUISER 1958 - 185 hp eng, 150 hrs, radio, many extras, very clean, price reduced. L. Emma, Ext. 642.

14' THOMPSON - W/18 hp Johnson, all controls, painted, ready for water, very good cond. \$195. Watson, Ext. 2381, 929-4413.

18' LONE STAR 1960 - Alum hull cabin boat w/50 hp '66 Chrysler outboard, alternator, elec bilge pump, extras. J. Fox, Ext. 7776.

USED MOORING CHAIN - 80', 1/4". K. Entler, Ext. 7537.

Miscellaneous

9' BREAKFRONT - Color TV; table saw; hutch; record cabinet; baby furnishings; 35 mm camera; elec watch; tape recorder; stereo; typewriter. Toni, 273-7939.

MALE ST. BERNARD - Pedigreed, 3 yrs, raised w/ children, good show dog, ribbon & trophy winner. 281-3616.

18" CRAFTSMAN ROTARY MOWER - Excel cond, w/grass catcher, must get self-propelled job because of age. \$45. G. Buhl, 744-2506.

WICKER FURNITURE - White, couch, 3 cushions, rocking chair, straight chair, end table & magazine rack, excel cond. \$100. Ext. 2203.

21" MOTOROLA TV - Console, good cond. \$50. Ext. 2203.

SUNBEAM VACUUM CLEANER - Round tank type, good working cond. \$20. Ext. 2203.

BABY THINGS - Full sized crib w/foam mattress, drop side, good cond, \$15; folding portable bed gate; safety gate; baby lamp; toy seats. 732-5945.

TOY POODLE - Blk, 9 wks old, AKC, male. \$75. AT9-0524.

FUEL OIL TANK - 275 gal. \$15. J. Fette, Ext. 588.

ENJOY THE FREEDOM OF FLIGHT - Up front at the controls where you glide over scenery you'll long remember, free pilotage. A. Roesch, Ext. 7667, 2413.

NEED A NEW OUTLOOK? - 2 compl wood frame windows, both w/triple-track alum s/s. 1 single, \$5; 1 dble, \$10. Carsten, Ext. 2893.

ALUM STORM DOOR - 81x30, outdoor folding clothes dryer. Free. Shelby, Ext. 7323.

HOWATT VENTURA BOW - 28 lbs at 28", lt green. \$25. C. Nielson, Ext. 7677.

SLINGERLAND DRUM SET - Blue sparkle, Rogers powertone snare, Zildjian cymbals, Camco acces, all cases. EM3-6121 after 6.

GERMAN SHEPHERD PUPPIES - 8 wks, brn & tan, 5 males, 1 female, sire-Champion Brix Vom Park, dam daughter of Champion Alph-Vom Loherfeld. P. McHugh, Ext. 7164.

SHALLOW WELL PUMP - 1/2 hp Clayton Mark, w/tank, controls & micromet attachment. Best offer. R. Meyer, Ext. 2928, LT9-5757.

PORTACRIB - Sturdy wood, adjusts 4 hghts, w/foam mattress, knit sheets, plastic teething rails, good cond. \$12 or best offer. 281-4419.

SHOPSMITH - W/jointer, wood lathe, jig saw & extras, excel cond. \$275. JU8-3385.

7 MM MAUSER MOD 95 RIFLE - Commercial manufacture, new, \$40; 30-06 Springfield 03-A3, good cond. \$50. Ext. 354.

PISTOL - Ruger Blackhawk cal. 30 carbine, new cond, w/scope mounts if desired, permit required. \$85. Ext. 354.

MUCH VHF HAM EQUIPMENT - Incl transmitters, receivers, components, state your needs. Ext. 354.

SCOTT TUNER - 350C, needs I.F. can, \$50; HA-410 transceiver, \$50; Hallicrafter HT-40 75 w AM-CW XMTR, \$30; University 12" full range speaker, \$50; asstd other gear. Charlie, Ext. 7316.

MODEL RADIO-CONTROL EQUIPMENT - Incl control systems, planes, motors, misc gear, call & state your needs. Ext. 354.

CHARCOAL GRILLE - 24" diameter, hood w/oven, adjustable grid, rotisserie motor. \$8. Herb, Ext. 2934.

10 1/2 ELDORADO CAMPER - Fully equipped, sleeps 6, 45 gal water cap, gas & elec refrig. \$1500. JU8-3385.

BETSY ROSS SPINET PIANO - Cherry finish, good cond. \$325. B. Luccioni, Ext. 2950, 732-3762.

BEDRM SET - Mod bleached mahog, bookcase headboard, dble bed, triple dresser, vanity. AI, Ext. 344, AN5-7726.

SINGER BUTTONHOLER ATTACHMENT - For straight needle machine, used only 4 times, 2 yrs old, excel cond. \$8. 878-0289.

BABY STROLLER CARRIAGE - Bilt Rite, good cond. \$10. Ext. 2594.

COMPL WITTAUER 8 MM MOVIE SET - Battery driven zoom camera & projector, tripod, screen, in excel cond, w/case. \$50. B. Espensen, Ext. 7638.

ELEC SHAVER - Remington Auto-Home. \$5. B. Espensen, Ext. 7638.

ZENITH AM-FM TABLE RADIO - Good cond. \$40. C. Hull, Ext. 7420.

OLYMPIA PORTABLE TYPEWRITER - Very solid, over-size carriage, excel cond. \$60. C. Hull, Ext. 7420.

RIDING LAWN MOWER - Reel type, 4 hp, B&S eng, used 1 yr, like new. \$130. M.V. Hughes, Ext. 560.

CORNER STALL SHOWER - Terrazzo base 36"x42", Am Std fixtures, glass sides & door enclosure. \$50. Ext. 7748, GR5-7272 after 6.

SURFBOARD - 9'6" "Wardy" custom, excel cond. \$125. 878-0123 after 6.

JUNE 7 GARAGE SALE - Grant Ave, Expwy to Wicks Rd. South, E. on Suffolk then N. on Grant. Toni, 273-7939.

POODLE PUPPY - AKC reg, male or female, blk, miniature. 543-5266 after 7.

29 GAL FISH TANK - W/stainless hood, Gro-Luk bulb, 30# blue gravel, asstd filters. Best offer. R. Meyer, Ext. 2428, LT9-5757.

SHALLOW WELL WATER PUMP - 1 1/2 hp, 110/220, new, \$90; boat gas tank, 42 gal, 16"x40", used 1 mo, \$20. Ron, Ext. 2969.

100 AMP SERVICE PANEL - W/circuit breakers 220 & 115 v, also main 100 amp switch. \$15. Ext. 638.

JOHNSON TR SWITCH - 3-30 mhz, full pwr a.r.s. \$8. Ext. 638.

ADMIRAL ELEC WALL OVEN - \$20; iron bed w/spring, \$5. Ext. 638.

PACHYSANDRA - Shade-loving groundcover, \$3/flat of 45 plants. 473-7667.

MORSAN BUNGALOW TENT - 8'x10", like new. Cost \$105, sell \$80. AT6-8945.

BOW INSIGNIAS - Regulation pwr squadron, A.P. rating, chrome on copper, new. AT6-8945.

FASHIONABLE YEAR ROUND WARDROBE - Suits, dresses, skirts, blouses, slacks, shorts, many extras, clean, excel, size 16-18. \$35. 585-3719.

15' TRAVEL TRAILER - Stove w/oven, gas refrig, elec brakes, brake control, axle hitch, lots of storage space & acces, not self contained, excel cond. AT6-1253 eves.

HAND LAWN MOWER - 18" Craftsman freereeling plus catcher, good cond. \$20. Ext. 2708.

HOTPOINT DISHWASHER - F. Merkert, Ext. 7639, 732-3003.

SLR EXAKTA VX II A - Case interchangeable auto F2 lens, speed to 1/1000 self timer, hot shoe mt, sunshade, yellow, green, red filters. \$85. Ext. 2314.

100 YR OLD TRUNK - Good cond, ideal for holding hi-fi or stereo equipment. Best offer. Luccioni, Ext. 2950, 732-3762.

LIONEL TRAINS - Compl w/track, 4 switch track, tressel, 11 cars & locomotive, transformer, houses, good cond. \$35. Luccioni, Ext. 2950, 732-3762.

MALE ST. BERNARD - AKC reg, 18 mos old. Reasonable. 475-2833.

3 SCHOOL DESKS - \$10 ea; 21" TV, Motorola console, \$20; maple spindle headboard & frame, \$15. John, Ext. 2460.

REFRIG - In excel working cond, good for 2nd appl in garage or basement, reasonable. Olson, 286-0376 after 4.

KENMORE WASHER - 5 yrs old, needs gear box. Make offer. Nardi, Ext. 7243, AT9-3596.

SW POOL - Steel frame & sides, w/pump & filter, good liner. \$35. Irene, Ext. 574 after 4.

MACY'S REFRIG-FREEZER COMBO - 2 mos old, copertone, moving to sm apt - too big, entitles buyer to food plan if desired. Take over payments. Betty, 567-1407 before 3.

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

1/2 ACRE - Wooded, 3 blocks from Bay, Newport Beach, E. Moriches. 289-3422 eves.

WADING RIVER - 4 yrs old, 4 bed rm, 1 1/2 baths, 2 car garage, fam rm, large eat-in kitchen, 130'x150' treed & terraced yard. 929-4472.

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

STONY BROOK - 7 rm ranch, wooded 3/4 acre, non-development, nicely landscaped, quiet corner, 2 1/2 car garage, breezeway, built-ins, excel closets, storage, full basement, antique lover's delight. \$29,000. 751-1415.

PATCHOGUE - Near school, RR, stores, 3 bedrm Cape Cod, h/w baseboard oil heat, dble garage, fenced corner, FHA approved. \$16,000. GR5-7372.

BELLPORT - 6 bedrms, 2 baths, 2 car garage, 3 zone h/w heat, wooded 3/4 acre; refrig, washer & dryer incl. \$22,500. W. Corwin, Ext. 657, AT6-0724.

SHOREHAM - 2 yr old colonial ranch, 3 bedrms, 2 baths, liv rm, din rm, fam rm, lg kitchen, full basement, 2 car garage, 1/2 acre, landscaped, deeded beach rights. Ext. 2708, 744-5448.

BROOKHAVEN - 3 bedrm ranch, 2 baths, din rm, 2 car garage, fireplace, lg den, 2 zone heat, wooded lot, extras. \$25,000. 286-3944.

SOUTHAVEN - 4 bedrm cape cod, 2 baths, formal din rm, full basement, att garage. \$26,500. 286-3649.

For Rent

SUMMER RENTAL - July, 3 bedrm house, Shoreham. Kinson, Ext. 7793, 744-8300.

BEACH COTTAGE - 15 min from Boston (Nahant), 4 bedrms, compl furn, on the ocean, avail 7/1 to 10/1 or ? Shea, Ext. 7411.

UNUSUAL MODERN HOUSE - Center Moriches, 4 bedrms, 2 1/2 baths, on creek w/boat, fenced, furn, avail 6/23, 12-14 mos. 878-0248.

SUMMER RENTAL - July & Aug, compl furn 8 1/2 rm house, owner's home in E. Patchogue. \$700. J. Olson, Ext. 441, 289-1463.

Wanted

DBLE BEDS - Style not imp, cheap. Shea, Ext. 7411.

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.

TO TRADE - About 1 bk ea of S&H original green stamps for Triple S, Plaid, or King Korn. M. Strongson, Ext. 2727.

HOMES - For 4 grey, grey & white Tabby kittens, 7 wks old, part Persian. J. Weeks, Ext. 346, 751-1149.

PERSON - Who ordered material from Superscope, Sun Valley, Calif. Contact H. Gardner, Receiving, Ext. 2703.

TO BUY - '55 or '56 Chevy in good cond. 732-9384. After 6.

BOYS' 20" BIKE - Reasonable. Hill, Ext. 2388.

POSITION AS PET SITTER - Will care for your pets on my 3 acres by the day, wk, mo or all of your vacation. Tony, 924-8225.

USED ABOVE GROUND SWIMMING POOL - & acces, good cond, at least 15' diameter. Evelyn, 473-8168 after 5.

1 ROTARY LAWN MOWER - About \$25. D.V. Hirst, Ext. 2938, 286-3912.

HOMES - For 3 kittens, 1 blk male, 1 white female, 1 orange tiger male, 5 wks old. Paul, Ext. 2330, 878-1486.

TO RENT - 2 or 3 bedrm unfurn house, Shoreham vicinity, yr round rental. J. May, Ext. 7461.

ANY FREE VW - Karmann Ghia or Porsche parts. Tom, JU8-4766 after 6.

GOOD HOMES - For 12 kittens, any color & size you want, clean, adorable. Marina, Ext. 520.

SILVER COINS - Any quantity. Paying 13% over face value. S. Wagner, Ext. 618.

CABIN TRUNK - Approx 5 cu ft. Ext. 7370, 883-5616.

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

2-6.00x12 TIRES - Good cond, for Opel, reasonable. Rosemarie, Ext. 2962.

STORMS, SCREENS - 36 1/2"x51", 36x39 1/2, reasonable. Gerry, Ext. 595, 744-6827.

BICYCLE SEAT - Girl's, vintage the thirties. Frank, Ext. 2461, 234-4747.

Carpools

RIDE - Miller Place-Lab, for a few wks starting in June any financial arrangement OK. Don, Ext. 7687, 2430.

INTERESTED IN JOINING OF FORMING - Carpool, Greenlawn-Centerport-Huntington area. F. Barnes, Ext. 488.

INTERESTED IN JOINING OR FORMING - Carpool from Bay Shore area, 2 blocks N. of Sunrise on Pine Dr. R. DiGirolamo, Ext. 604.

WANT TO JOIN OR FORM - Carpool starting 6/1 from Smithtown Blvd, Nesconset. Bob, Ext. 2167, JU5-4973.

PAYING RIDER - Needs ride from Musket Ridge, Coram, beginning in mid-June. Bonnie, Ext. 2745.

INTERESTED IN JOINING OR FORMING - Carpool from S. Huntington-Melville area. M. Steinberg, Ext. 340.

SOUTH EAST NASSAU - In need of driver, carpool leaving Intercounty shopping center off Exit 32 (Rt. 110) on So. State Pkwy. Dave, Ext. 2554.

Lost & Found

LOST - Diamond ring, 1 caret, wide gold band. Reward offered. 281-7761.

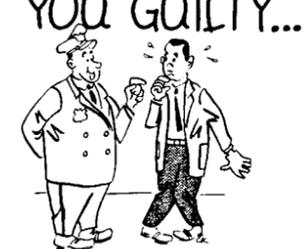
FOUND - In Lab vehicle after same was serviced at Lab Automotive Shop, a bent stem, pipe, color blk, Champion Giant, can't locate owner. D. Zelem, Ext. 2304.

LOST - Petri 35 mm rangefinder camera, 1 mo ago. Liberal reward. Ext. 7238 or P.O. Box 358, Upton.

Safety Equipment

Issues of safety equipment are made from the lower level of the I and HP building (Bldg. 535) on the following schedule:
Safety Shoes - Mondays from 1:30 to 4:30 p.m. and Thursdays from 9 a.m. to noon.
Safety Spectacles - Mondays from 9 a.m. to noon and Wednesdays from 1:30 to 4:30 p.m.

ARE YOU GUILTY...



OF HOARDING OBSOLETE OR UNUSED CAPITAL EQUIPMENT?

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.

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
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