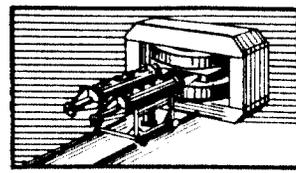


ISOTOPICS



BROOKHAVEN NATIONAL LABORATORY

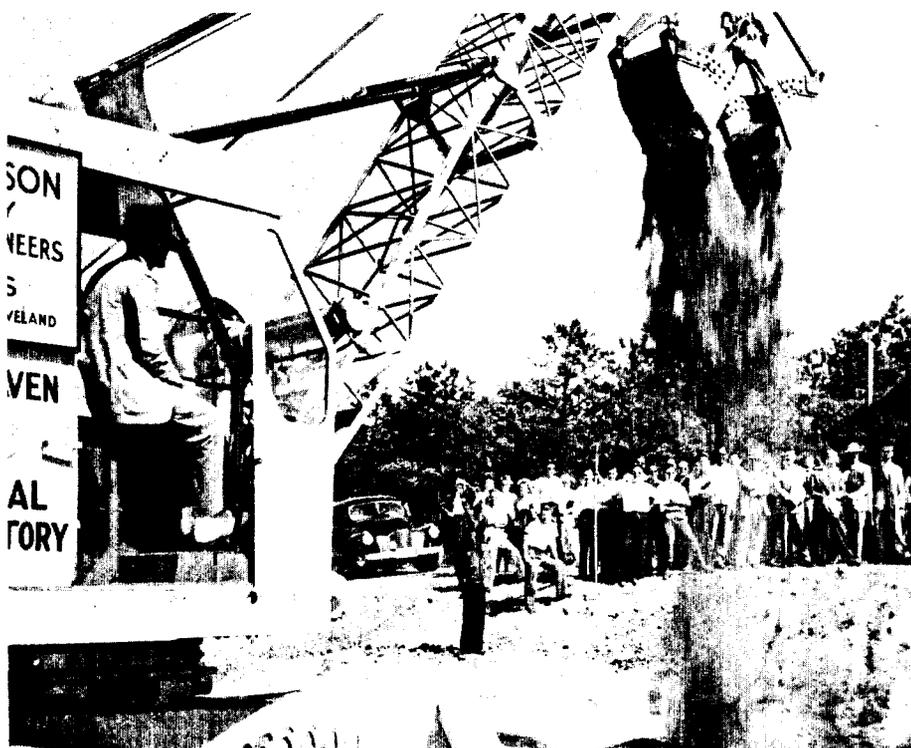
ASSOCIATED UNIVERSITIES, INC.

VOLUME I

UPTON, NEW YORK

SEPTEMBER, 1947

NUMBER 3



DIRT BEGINS TO FLY: Dr. Lyle B. Borst manipulates the controls and officially starts the work for the Pile foundation.

Scientists From Many States Meet at BNL Conference

The first large-scale scientific conference to be held at the Brookhaven Laboratory took place on August 14th and 15th, when 138 visiting scientists met with members of the laboratory staff to discuss problems of Short Pulse Techniques and High Speed Counters.

Nineteen speakers, including physicists from as far away as Seattle, Washington, the University of Chicago, and Oak Ridge, Tennessee, presented the most recent methods for observing the radiations and small particles emitted by radioactive materials.

By meeting together, the scientists were able to combine their experiences and extend their common understanding of the problems presented, and to discuss the most promising solutions in this field.

The speakers on the program for the conference, leaders in this type of research from industrial laboratories, university laboratories, and AEC laboratories, were: J.R. Pierce and A.J. Ahearn, Bell Telephone Laboratories; J.W. Coltman, Westinghouse; R.W. Engstrom, R.C.A.; L.D. Smullin, Federal Telecommunications Laboratories; W.H. Jordan, Clinton Laboratories, Oak Ridge, Tennessee; R. Hofstadter, R. Sherr, and R.H. Dicke, Princeton; M.L. Sands, I.A. Getting, M.

Deutsch, and S.C. Brown, M.I.T.; J.C. Street, Harvard; H.S. Schultz, Yale; S.N. Van Voorhis, Rochester; J.S. Allen, Chicago; C.S. Sherwin, Illinois, and S.H. Neddermeyer, from the University of Washington.

Papers were presented at morning and afternoon sessions on both Thursday and Friday. During the lunch period, some of the scientists were taken on a sight-seeing tour, and others took advantage of the swimming pool.

Thursday evening, the scientists and a few members of the staff went to Lindenmere for a picnic. The Lindenmere lawn, which borders Moriches Bay, had been heavily sprayed with DDT on Monday so that there were no insects to interfere with the evening's enjoyment.

Credit for the success of this first one of the scientific conferences which will become a feature of the summers at Brookhaven is shared by many people. Dr. J. R. Zacharias and Dr. A.G. Hill, (continued on page 3)

Pile Project Progressing Rapidly Concrete Work to Start Oct. 1st

The work of preparing the ground for the foundation for the Pile is progressing rapidly, according to Mr. W. N. Thompson, Vice President of the H. K. Ferguson Company, and approximately 18,000 cubic yards of earth had been removed up to September 9th.

"We are maintaining our schedule," said Mr. Thompson, "and have reached a point in excavation approximately twenty-one feet below the natural ground level. About 9,000 cubic yards of earth remain to be removed, and our present plans are to start the concrete work for the foundation on October 1st.

The actual start of the excavation work took place on August 11th, when Dr. Lyle B. Borst, with the nonchalance of a seasoned operator, manipulated the levers and switches of a powerful drag line and scooped a huge bucketful of earth from Rutherford Hill. This was the final event in a day set aside for the official ground breaking for the first chain-reacting atomic pile to be constructed in the northeast.

Approximately 1,500 interested spectators, employees of the Laboratory and their families, officials of the surrounding villages, as well as employees

and officials of the Atomic Energy Commission, witnessed the event and enjoyed the antics of the newsreel cameramen as they maneuvered for position, and requested Dr. Borst to repeat his performance several times in order that they might be sure of a good "take."

Preceding the ground-breaking ceremony, a luncheon was served in the cafeteria for the official guests, Honorable Sumner T. Pike and William W. Waymack, members of the Atomic Energy Commission, the village officials and newspaper reporters. A short address by Sumner T. Pike was a feature of the luncheon.

Immediately after the luncheon a press interview was held in the auditorium of the Research Staff Building and Mr. Eldon C. Shoup directed the questions to AEC officials, Staff members, and officials of the H.K. Ferguson Company, the contracting firm that will build the pile, who (continued on page 3)



PILE PROGRESS: Photo taken five weeks after official ground breaking shows changed contour of Rutherford Hill.



STAFF PROFILE: Edward J. Downs

With the aid of a single cane, Edward James Downs walked slowly into the office of Dr. Lyle B. Borst for his first interview as a prospective employee of Brookhaven National Laboratory. He had been sent here by the Veterans Administration in response to a request for a wounded veteran to train for a type of work that might eventually require several individuals, work that might be particularly fitted for disabled service men.

Edward Downs qualified fully as a disabled veteran as he had lost both legs in enemy action at Schwelm, Germany. Downs was a Captain in the infantry, and, leading his platoon in an attack against heavy enemy opposition, he spotted a group of Germans armed with bazookas entering a house just as a battalion of tanks were starting down the street. Knowing that the enemy would be able to knock out the tanks, block the road, and delay the attack, Downs moved forward to warn the tank commander, exposing himself to enemy fire. He succeeded in warning the tank operators of the trap and prevented the loss of any tanks, but a bazooka shell exploded within a short distance and severed both of his legs above the knee. For his heroism in this action, Downs was awarded the Distinguished Service

After more than two years in various military hospitals, Downs reached the point where he had to take stock and think of the future. About this time, Major Woods, son of Lord Halifax, who had suffered a similar disability, visited the Walter Reid Hospital and demonstrated his ability to get about with two artificial limbs. Ed states that he immedi-

ately thought to himself, "If he can do it, so can I," and with this thought in mind, he diligently applied himself to the task of learning to walk, and finally mastered it so that now he can get about with little difficulty.

After his interview with Dr. Borst, Downs was referred to Dr. Edward Salant, who explained to him that his work would be examining, with the aid of a microscope, the tracks, in photographic emulsion on films and plates, produced by nuclear and cosmic ray particles. The work would require alertness, interest and concentration, and in addition, the judgment necessary for immediate recognition of anything that did not fit into the usual pattern.

Dr. Salant, after talking to Downs, concluded that he met all of the requirements, and made arrangements for his employment at the Laboratory.

Securing a permanent position was possibly the best news that Downs had received in a long time, as it meant he could establish himself in a home, and marry Thelma Marie Chabot, a Captain in the WACs, in charge of Personal Affairs at Walter Reid Hospital.

The marriage took place on July 11th, 1947, but the problem of a house to live in was a difficult one to solve, and as a temporary expedient, Edward and his wife were housed in the Guest House at the Laboratory.

When Downs first met the men at the Dormitory he told them plainly that he could get along nicely without help and that if he wanted help, he would ask for it. So the men have taken him at his own rating and treat him as

they would any individual, doing their best to defeat him in horse shoe pitching, which he plays well, and in ping pong, in which he excels.

Two of the men in the dormitory Arnold P. Gledhill, Electronics, and Henry Wright, Photography and Graphic Arts, both ex-architects, took a special interest in Ed's housing problem, and proceeded to design a house particularly fitted for an amputee. For weeks, far into the night, they worked on plans and were surprised when the contractor Ed had hired said that he would build the house without change of plans.

The house, modernistic in style, is being erected on a lot 108 feet front and 257 feet deep in Bay Harbor Estates. All doors are three feet wide, so that if Ed chooses, he may enter or leave in a wheel chair. Ramps take the place of steps at doors opening outside. Every room has dual lighting control so that lights may be turned on or off from either side. The kitchen and dining rooms have cove lighting. There is a solarium over the one-car garage, and a picture window 5 by 8 feet in the living room overlooks Great South Bay.

Through close association in working on the plans of the house, Ed, Henry and Arnold have become inseparable after working hours, and the trio often visit the swimming pool, where Ed, with a hand on the shoulder of each of his friends, journeys to the edge of the pool, whereupon, all three plunge in.

Ed drives a car with special controls and, as Dr. Kenneth A. Koerber, of Medical Services states, he has succeeded in over-

GOUDSMIT ON GERMANY

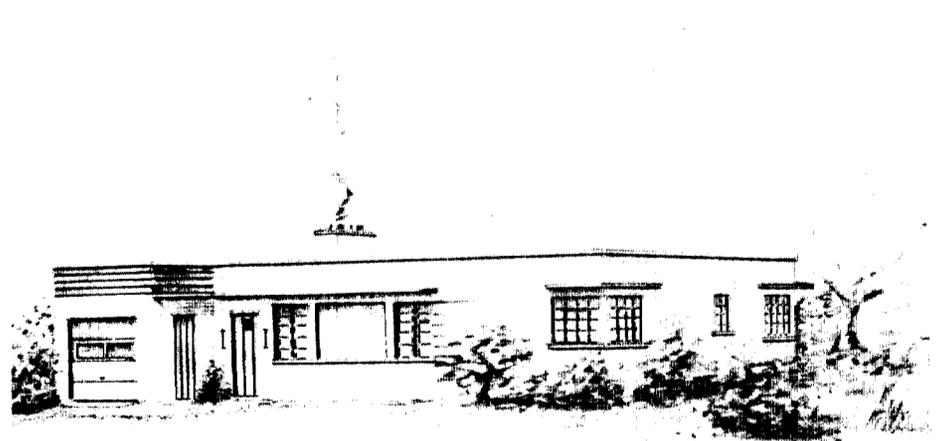
Dr. Sam A. Goudsmit, Professor of Physics at Northwestern University, told an interested audience of approximately two hundred and fifty Laboratory personnel, in an address on September 2nd, that at the end of World War II the Germans had not progressed any further toward making an atomic bomb than experimenting on the operation of a pile, which did not work.

Dr. Goudsmit was in charge of a group of scientists who were sent abroad during the latter part of the war in an endeavor to determine whether the Germans had discovered the secret of the bomb, and his talk included many humorous incidents that occurred during the time spent in France and Germany.

After following up many false clues, Dr. Goudsmit stated that when Strasbourg fell in November, 1944, they were finally able to secure definite information as to the steps that had been taken by German scientists in harnessing nuclear energy for destructive purposes, and found that their discoveries were far behind the developments in the United States.

"The German scientists did not believe that American scientists had discovered the secret of the atomic bomb," Dr. Goudsmit concluded, "and when they finally were convinced that this was a fact, they publicly stated that they had not been seeking to manufacture a bomb, but rather that they were endeavoring to discover the beneficial uses of nuclear energy."

coming the mental inhibitions that so often accompany his particular type of disability.



One-story modernistic house being erected in Bay Harbor Estates for Mr. & Mrs. Edward J. Downs.

STAFF PROFILE



Eldon C. Shoup

Eldon C. Shoup, Executive Vice President of Associated Universities, Inc., was born in Kansas in 1897 and was graduated from Washburn College in Topeka, Kansas, with a Bachelor of Arts degree in 1920. In 1922 he received a degree of Master of Business Administration from Harvard University. During World War I, he served as an ensign in the United States Naval Reserve.

For five years after leaving Harvard, Mr. Shoup served in various capacities with the United States Department of Agriculture and the Bureau of Agricultural Economics, including a year as U.S. Agricultural Commissioner to Germany. During his last two years in Washington he served as editor of "Foreign Crops and Markets", the Department's foreign service publication, and as Assistant Chief, Division of Statistical Research. Leaving government service in 1927, he became Sales Promotion Manager of the National Blank Book Company, then Merchandising Manager for the Dennison Manufacturing Company in Framingham, Massachusetts.

During 1941, Mr. Shoup was a consultant to the Department of Commerce in connection with mobilization of production for defense. In 1942, he became Director of Rationing in New England for the Office of Price Administration, and two years later was made Regional Administrator of the OPA. He is past president of the New England Chapter of the American Marketing Association, and a lecturer in marketing and sales management.

Mr. and Mrs. Shoup and their children, Penelope, 18, and Peter, 15, live on Baycrest Lane, Bellport. His daughter, Barbara Ann, graduated this Spring from Wellesley, and was married in August. Penelope graduated from high school this Spring and will attend New Mexico University in

the Fall. Peter is attending high school in Bellport.

Mr. Shoup's hobbies are gardening, golfing and sailing. At the present time he is teaching Peter the fine art of navigation, although he admits that Peter really is doing the teaching. His vegetable garden takes up a good part of his time, and he is well suited for this occupation as he was born and raised on a farm. For relaxation, Mr. Shoup reads "who-done-its" and states that he finds a good story of this type better than counting sheep as a sleep inducer.

Mr. Shoup admits that his greatest professional interest is in helping to build and develop new organizational strength in a field of significant importance. His activity in helping to establish the Department of Agriculture's Foreign Service during the '20s and in developing wartime economic controls during World War II was of this type. He regards the potential usefulness of the program of Associated Universities, Inc., as one of the more challenging opportunities of this period and he is tremendously interested in the future of Brookhaven and in the esprit-de-corps of Brookhaven people.

Mr. Shoup is past director of the Massachusetts Committee for World Federation, President of the Alumni Association of Harvard Business School, and a member of the Harvard Club, New York.

ROTARIANS HEAR BORST

Dr. Lyle B. Borst, in a speech before the Riverhead Rotary Club on Wednesday, August 20th, outlined the history of atomic energy, and said that the bomb was a consequence of fundamental research performed before the war.

Dr. Borst stated that there were two ways of handling the control of the uses of nuclear energy. One was by police action, in effect, through the United Nations; the other was through a world agreement to develop only the beneficial aspects to a point where everyone could use them. He concluded by saying that Brookhaven National Laboratory is proceeding along the lines of the latter method.

BNL Conference (continued)

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AP & PM CLEANS UP

By Christmas time, the last reminders of an Army Camp and World War II will have been erased from the Brookhaven site. The prisoner of war enclosure, with its miles of barbed wire, will have been auctioned off. The hospital buildings, originally used for barracks, will have been moved or converted into office buildings, and with them will go the metal escape chutes which were designed to evacuate patients. There will no longer be a tiny shack, gas mask tester, with the faded lettering, which, it is rumored, read, "You are now entering an atmosphere of poison gas. Only a gas mask and the Lord Himself can save you." Whole sections of buildings will be razed, and rolling lawns will take their place.

This clean-up job is being handled by the Grounds Maintenance Division of the Architectural Planning and Plant Maintenance Department, under the leadership of Edgar Hunter, with "Dutch" Becker in charge of field operations.

The job requires hundreds of tons of heavy equipment: the crane Dr. Borst used at the ground-breaking ceremonies, bulldozers, road graders, power rollers, and even a gutter-snipe. The gutter-snipe is somewhat bigger than a jeep and has a lateral broom for sweeping gutters, and a big, central broom for sweeping the material collected into the hopper. The gutter-snipe and many of the heavy machines work together to prevent waste.

With the cost of practically everything rising, Grounds Maintenance salvages and re-uses

everything it can. The cement in the Tom Thumb golf course was salvaged as sub-base material for parking lots. The sludge from the sewage disposal plant is ground up for use in soil preparation, and the maintenance of lawns.

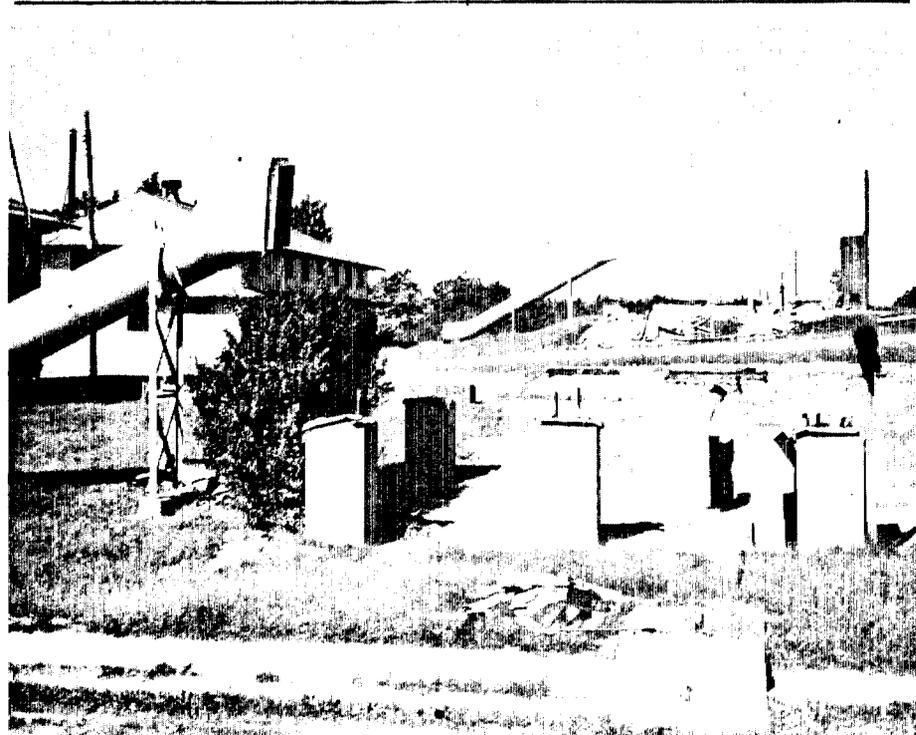
The regular duties of the Grounds Maintenance Group are numerous. Roads and sidewalks are repaired or built by Tony Frabizio's crew, and Charlie Soderquist's men repair the grounds disturbed by building construction. Lawns totaling two hundred and seventy-five (275) acres are mowed each week by "Bub" Cosier's men. H. Smith's crew keeps the Laboratory clean and about two hundred (200) tons of trash are collected and carted to the incinerator and dumped weekly. Jim Maguire's riggers move heavy laboratory machinery and handle tons of materials daily. E. Jefferies operates the sewage plant which treats about 500,000 gallons weekly. A. Waski is handling the coal unloading, shipments of two hundred and eighty (280) tons are unloaded daily.

With winter approaching, the department is preparing plans for the removal of snow from streets and parking lots. Snow plows and snow-gos are in readiness, and the crew that will man the equipment will be on call twenty-four hours a day.

Pile Progressing (continued)

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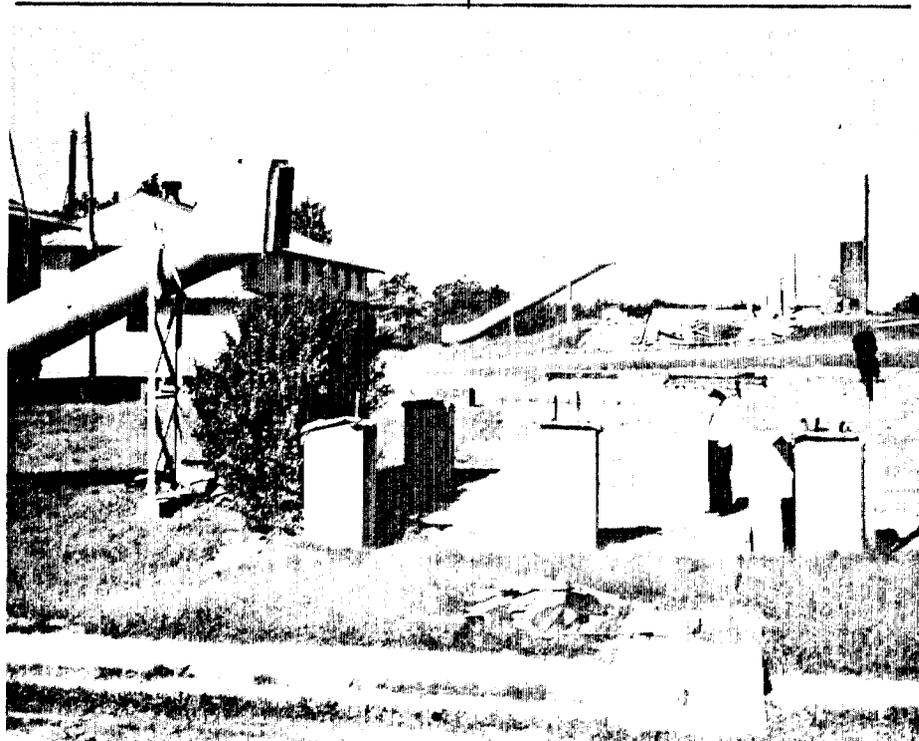
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Published monthly for the benefit of and in the interest of the employees of the Brookhaven National Laboratory.

The publication of a statement, a conclusion or an opinion in the house magazine does not constitute the official position of the Laboratory unless so stated.

Barry T. Mines, *Managing Editor*
Elizabeth S. Hill, *Assistant*

Henry Wright, *Illustrator* Robert Walton, *Photographer*

REPORTORIAL STAFF

Margaret Chiuchiolo (*Accelerator Project*), Barbara Osborn (*Architectural Planning & Plant Maintenance*), Laurette Waters (*Atomic Energy Commission*), Lois Quinlan (*Building & Grounds*), C. H. Watterson (*Building Maintenance*), Norman Still (*Business Offices*), T. Duane Price (*Chemistry*) Sarah Webb (*Communications*), Beatrice D'Ambrosio (*Electronics*), Owen J. Healy (*Fire*), Jac ten Hove (*Grounds Maintenance*), Marjorie Haff (*Personnel*), Edward J. Agnew (*Police*), Sarah Cornish (*Physics*), Lola Follini (*Public Safety*), Mary Dargan (*Publications & Information*), Katherine Sluiter (*Motor Pool*), Angela Scannell (*Nuclear Reactor Project*)

Vol. 1

SEPTEMBER, 1947

No. 3

NUCLEAR ENERGY, PLEASE!!

Constant association of one word with another will eventually create in the mind of any individual a relationship that is difficult to disregard.

The word, atomic, to the man on the street, has become so closely associated with the word bomb, through the many pages of publicity on the subject, that it is almost impossible for him to think of atomic energy as anything other than a destructive power. Technically, the major energy of the atom is centered in the nucleus, and scientists prefer to use the term, nuclear energy.

In order to impress upon people the beneficent aims of the research work to be done at Brookhaven, it is necessary first to create the proper word picture in their minds regarding the energy to be derived from the atom. To this end we are endeavoring to have newspaper releases mention nuclear energy rather than atomic energy, and to speak of the beneficial uses of nuclear energy, rather than of the peacetime uses. The latter phrase all too frequently brings to mind the opposite of peace.

Brookhaven National Laboratory personnel can assist in this campaign by speaking of nuclear energy and of the beneficial uses of nuclear energy when discussing the Laboratory with relatives or friends.

The chain reaction that may result from our combined efforts in this will focus the public's attention on the good that may be derived from the use of a force that has been used heretofore mainly for destructive purposes.

Mr. Edward Bergin, Transportation Chief, received a letter from the International Harvester Company, New York City, addressed as follows:

Mr. Edward Bergin
Atomic Bomb Commission
Camp Upton, New York

In reply to a letter offering a speaker from the Laboratory for the New Jersey Press Association winter meeting, the Secretary replied as follows:

"I feel sure our officers would be glad to have someone address us on the atomic bomb."

EXPLAINING THE ATOM

To the layman, the atom and its elements are a mystic maze, and since the war many books have been written in an endeavor to explain in simple language the basic physics of the atom and the possible benefits to be derived from nuclear energy.

One of the best books on the subject is, "Explaining the Atom" by Selig Hecht, which is available at our Research Library. Dr. Harold C. Urey has stated that this book is: "To be recommended to all intelligent citizens of this country and other countries."

Mr. Hecht states in the preface of his book that it is for the complete layman, and that it follows the steps that were taken historically in going from the earliest questions about the nature of common substances, to the large-scale liberation of nuclear energy.

The absence of purely technical terms and the lack of scientific formulae is pleasing to one not educated in scientific principles. Elements that are merely names to the average individual become real as Mr. Hecht carries the reader through the various processes that the scientists followed in discovering the energy within the nucleus of the atom.

Having been made aware of the forces within the atom, by the use of the term, atomic energy, it is enlightening to learn that the force is centered in the nucleus of the atom and that scientists prefer to call it nuclear energy.

The book was a revelation to the editor, a most complete layman, who wonders with Lord Rayleigh whether, "There is any possibility of telling whether the issue of scientists' work will prove them to be fiends, or dreamers, or angels."

BUS SERVICES

A bus service has been started to transport people to and from Lindenmere in the morning and in the evening after work. Tickets may be obtained from the driver or the Transportation Office. Fare is 15¢ one way; ten-trip ticket is \$1.25 per 5 day week.

On Tuesday, August 26th, an "On Site" Bus Service was initiated. This bus operates each day from 8:00 A.M. to 4:30 P.M. on a half-hourly schedule and covers all sections of the site, including the Apartment Quadrangle and Laboratory Clinic.

FACT 'N FISSION

Our new heading is the brain child of Mrs. Lincoln Thiesmeyer, and we think it is an improvement over the heading used previously.

Current press reports state that the WSA has 10,000,000,000 false teeth for sale. Alfa B. Gammah, assistant editor, suggests that the teeth be shipped abroad for use in biting the hand that feeds you.

Best joke of the month:
Patient: "Doc, that fellow in the room with me is crazy."
Doctor: "Hospital's crowded. Is he annoying you?"
Patient: "He's nuts. Keeps looking around the room and saying, 'No lions, no tigers, no elephants,' and all the time the room is full of them."

Federal statisticians have figured out it costs \$605.35 a year to buy clothes for a family. The sum to the right of the decimal is used for father.

Pageland (S.C.) Journal

The fox trots lightly through the woods.

Softly creeps the lynx.

The skunk? He neither trots nor creeps.

Confidentially-----he slinks!

Corn - The joke the other fellow tells you.

The dime novel is not extinct. The price is now \$3.50

Lost or strayed, one male tiger cat. Answers to the name of "Super Suds." Reward. Please call 197.
(adv. in local newspaper)

O.K. if we see him we'll foam you!

Starting Monday, August 18, it is requested that all women using the swimming pool wear bathing caps. (Memo from Welfare and Recreation)

Gentlemen will please wear bathing suits.

SHAKEDOWN LAID TO S.I. HIGHWAY AID

Headline

Shakeup is due to highway from Upton to Montauk Road.

SOCIAL AND ANTI-SOCIAL

Atomic Energy Commission

Good old summer and vacations, and how we love them both. All we have to report this month are vacations and more vacations.

Mr. Philip C. Leahy, assistant area manager, spent one week at Baiting Hollow Boy Scout Camp on Long Island as Scoutmaster of Troop 44. The scouts accomplished a well-rounded program under Mr. Leahy's guidance.

Jean Moyce was all prepared to spend a glorious week at Cambridge Springs, Pa. She and her girl friend heard of a summer resort there, only it turned out to be an Old Folks' Home - 80% of them were rocking away on the porch drinking mineral water, and it was mineral water. They quickly checked out of there and went to Findley Lake, N.Y., where they had a grand time.

Katherine Calfa spent one week in Olean, N.Y., visiting her son-in-law and daughter, Mr. and Mrs. Frederick R. Klein.

Marion Guerrasio enjoyed her two weeks in the Pocono Mountains. She was especially missed by the employees of the Property Section.

David Bialer and his Dad covered over 1250 miles on a motor trip through Washington, D.C., Buffalo, Niagara Falls, Howe Caverns, Schenectady, Albany and Bridgeport.

That tall, corpulent young man who answers to the name of Gerry Tiller, is back after a motor trip to Lake George and the New England States.

What is the attraction at Lake George? It really must be vacation land. Doris Widing spent her vacation there as did Corlean Ziniewicz and her husband.

Helen Hanlon and her young son, Lawrence, enjoyed a pleasant vacation in New Hampshire.

Charlie Westphal stayed at home and painted his car.

Mr. Van Horn is enjoying his new Cape Cod sailing boat. He is making a first-class seaman out

Anyone can tell Betty Schwartzkopf enjoyed her vacation by that gleam in her eye. She went to Buffalo.

Ellen Reidy spent two weeks visiting her sister in Lockport, N.Y. She had fun but says there's a question as to whether or not it was summer there.

of his son, Bobby, age 2. Mrs. Van Horn is already qualified to handle the jib sheets and really can tie a couple of half hitches

in the painter.

Mr. Yax has purchased a 20' utility cruiser, "Nameless II." Commander Yax enjoys cruising the bay with his family, evenings and week-ends.

Accelerator Project

Dr. John Blewett, Dr. G.K. Green, Julie Vault and Bill Bell have been added to the Accelerator Project Staff.

After being the loser in a "cat and dog" tussle, Bob Meyer's collie, better known as "Dixie" refuses to look a mouse in the eye.

Inasmuch as the weatherman frowned (that was no frown--it was a 6 inch rut in his forehead) on August 20, the picnic planned for the guests attending the informal symposium of the Accelerator Project had to be cancelled at the last minute. Plans were hastily changed. In its stead, there was an informal gathering of guests and staff followed by dinner at the cafeteria and bowling on the site.

Bowling proved to be the high spot of the evening, what with pin boys such as Dr. R.A. Patterson, L.R. Thiesmeyer, Lee Haworth, R.Q. Twiss, M.S. Livingston, J.H. Buck, G.K. Green, in fact, too many to mention. Running competition with them was Ken Green's ten year old son.

Dr. Patterson led the men with a total of 355 for a two game series -- that's good in any league. Mrs. H. Brackney rolled a score of 147 to pace the women keepers.

To Dr. John Buck goes honorable

mention for fast, efficient handling of the pins. He set up two at a time. Pin boys beware!!

Building Maintenance

Bob Hill and Frank Wood, of the Cabinet Shop, returned from a two weeks vacation. Bob was sporting a brand new car, and he states that he is experimenting with a record player to be attached to his radio so he can enjoy some discs while driving.

Glad to see Jim Torbert back on the job in the paint shop. He is one of the unfortunates who works hard on the job every day without an accident, then goes home for a few minutes work and ends up with a fractured arm. All's well now, however, and let us hope it doesn't happen again.

The Cabinet Shop, under the supervision of R.L. Young, has completed a job which makes them very proud, and rightly so. They accomplished the delicate task of making a model of the famous cyclotron, which is, in reality, an atom-smasher. It was a long, tedious job, but the results were excellent, and ample credit should go to the foreman, Cos Barwald, who personally handled most of the work.

Some people just seem to have all the tough luck. Frank Di Stefano, of the Paint Shop, thought when somebody stole his car that nothing much worse could happen--but it did! The following week his house burned down. Cheer up, Frank, better days are bound to be ahead, and soon we hope.

The Cabinet Shop has taken up the fad of new hats. Harry Gutherman recently bought a bright

red hat, which caught everybody's attention. Not to be outdone, Pete Jayne discarded his felt hat and now sports a bright green one. Sometimes we look out in the Cabinet Shop and are reminded of a Xmas tree with trimmings. Pretty soon we'll have to wear dark glasses to protect our eyes from "hat" glare.

Business Offices

In a flurry of desks, typewriters, files, drawers, cabinets, etc., the Fiscal Department left the hallowed halls of the Administration Building for their new offices across the street in T-134. A tear was shed for the old familiar, and a prayer of thanks offered for the new, where there is enough room for two people to sit down at the same time.

New Arrivals, Vacations, etc.

Invoice Audit Section has welcomed Mrs. Leona Ciara who hails from Central Islip, and Miss Henrietta Dodt of Medford.

Elaine Gervy, of Patchogue, is also wearing the Freshman's "Beanie" cap, having joined Mr. Rose and his bevy in Fiscal late in August.

Rose Engellis toured the New England States during her vacation, says she covered 1,500 miles in a week, and liked the White Mountains best.

The office gang in T-100 surprised George Betz with a birthday gift the other day. Incidentally, anyone finding a half dollar in Ridge, please return it to George. We don't know how he lost it but we certainly hear enough about it.

Eddie Brooks, who bangs out the drums with his terrific trio, plays at Kelley's in Sayville every Saturday night.

Eleanor Kwiatkoski climbed new heights in the Social World of North Patchogue several weeks ago as she soared two thousand feet over the rooftops in a PT 19.

Congratulations to Lois Marvin. She is now Administrative Assistant to F.X. Jones.

Bill Johnson, Bill Wrench, Ben Rutkowski and June Steinecke and her fiancée all met at the Giant's Labor Day game. Seems like the kids must really enjoy each other's company, at business and at play.

Queer goings-on at the parade grounds here of late, every evening around 1630. Mr. Bob Brouwer, Mr. Ken Rose, Mrs. Rose and Mrs. Olga Vario have taken to the



Wagner assists Reich in displaying the first catch of the day at A.M. fishing party. Maust, in background, rigs for tuna, while Timpe, Brunini, and Schultz tend their lines.

sport of shooting arrows. So serious are they about the matter, that the burns and bruises incurred doing the above-mentioned, are rarely, if ever, mentioned. Shades of Robin Hood! A hunting trip is anticipated by Mr. Rose and Mr. Brouwer this fall--with bows and arrows!

The Files Control Office has added another member, Miss Shirley Van Etten, to its group. So if you need a little help on your files, you're likely to have this charming blonde from Bayport in your office for a few days.

The Steno Pool has been multiplying like a family of rabbits in the past two months. In addition to the regular stand-by's, Gloria Ross, Betty Petroske, and Shirley Secor, Miss Gray now has to put up with Lillian Cardamone, a diminutive brunette from Bellport; Frances Devine, transferred from Mr. Heinze's department; Priscilla Hawlet, formerly in Personnel, and blondes Jane Miller and Lorraine Richmond, of Patchogue. (Sorry, no phone numbers.)

Linnea Gleim, who is going to work in Classified Documents when that long-awaited Q clearance comes through, has also been helping out in the Pool.

Jane Miller, Steno Pool, might be announcing something or other around Christmas. It might involve a ring, but sh-sh-sh, it's still a secret.

Chemistry

Dr. Norman Zwiebel, formerly of Princeton University, has recently joined the permanent staff of the Chemistry Department. He now lives in Patchogue with his wife, Thelma.

Dr. Warren W. Miller, recently of MIT, has joined the Chemistry Department as a permanent member. He arrived on July 14 and is continuing his previous researches on carbon isotope tracers. His wife, Barbara, and daughter, Carolyn, are with him at the Brookhaven Apartments.

Dr. Harold C. Urey of the Institute for Nuclear Studies was with the Chemistry Department during the month of August. Aside from his general consultation activities, he lectured on the Separation of Isotopes and participated in several discussions on the social implications of atomic energy.

Dorothy Lee is another new Chem Department arrival. She will be in the spectrographic lab and is now working on its design and instrumentation.

On Friday evening, August 15th, the Chemistry Department held its first party at the home of Dr. Richard Dodson, Acting Chairman of the Department. Among

those who enjoyed Richard's excellent martinis were: Dr. and Mrs. John Turkevich, Mr. and Mrs. Sidney Thompson, Dr. and Mrs. Warren Miller, Mrs. T.D. Price, Miss Barbara Benson, Mr. and Mrs. George Samos, Mr. and Mrs. I.N. Greenberg, Mr. and Mrs. Paul Lee, Dr. and Mrs. Harold Urey, Mr. J. Malcolm Miller, Mr. John Gryder, Dr. and Mrs. Charles Coryell, and Dr. and Mrs. Norman Zwiebel.

Communications

A surprise shower was given for Miss Julia Buckley, Tuesday, July 15, and as she is one of the 12 PM to 8 AM operators, she was entertained at breakfast. Many useful and attractive gifts were showered upon her. On July 19, Miss Buckley was married to Edward Katz, and they will make their home in Patchogue.

Miss Buckley has been working at the Brookhaven Area since 1943 and came from Brooklyn as one of the "volunteer transfers" for one of the first Public Attendant Telephone Centers to be opened on any Army Post.

A spaghetti luncheon and surprise shower was given for Miss Mary Marquardt on Thursday, July 17. She received many lovely gifts which she can put to good use after her marriage on August 3 to John Kurka of East Islip. Miss Marquardt has been at Upton since October, 1946. Previous to that time she worked at Mason General Hospital and the N.Y. Telephone Co., in Bay Shore.

Mrs. Dorothy McGlone, of Bay Shore, is the new voice one hears on the switchboard these days. She was at Mason General during the war, also a former N.Y. Telephone Co. employee.

Electronics

Newlyweds Mr. and Mrs. Merrill A. Lustgarten have joined the

Electronics Division. Mr. Lustgarten is an engineer and was previously employed at the Los Alamos Laboratory. Mrs. Lustgarten, then Miss Billie McLaughlin, also worked at Los Alamos, as an electronics technician. They are residing in Blue Point.

Two new members of the Health Physics Section in the Electronics Laboratory are Joe Deal of North Carolina, and Lansing E. Tryon of Syracuse, N.Y. Mr. Deal, an engineer, comes to us from Oak Ridge and gave an interesting talk on "Pocket Chambers and Film Badges" at a recent meeting of the electronics staff. Mr. Tryon, who was recently graduated from Cornell University, will begin his work as a junior scientist.

Dr. Albert G. Hill has returned to Massachusetts Institute of Technology, where he is Associate Director of the Research Laboratory of Electronics, after spending a month here as Consultant. Dr. Hill was very helpful, assisting in making the conference on Short Pulse Techniques a success.

Those peculiar noises heard in the evenings coming from the Gymnasium have been identified as a "Barber Shop Quartet." The names of the guilty ones are not known, but B. Golden, cafeteria, Dr. V. W. Cohen physics, P.I. Richards, chemistry, F.W. Sunderman, Jr. electronics, and W.D. Knight, electronics, may have some information on the subject.

Fire

On Thursday, July 17th, Mrs. Elizabeth Saulle presented fireman Saulle with a daughter.

Fireman McGuire is the proud dad of a son, born July 28th.

Fireman Briton H. Connell is the proud father of a daughter

born September 2nd. The young lady has as yet expressed no opinion on the long hem line.

Personnel

Miss Margaret Stirton of Longmeadow, Massachusetts, a graduate of Connecticut College for Women, is a new member of the Employment Section.

Miss Lila McGee of the Employment Section is sporting a diamond recently received from Harry Giesler of Maspeth, L.I.

Police

Six new members have been added to the Police roster: Ptl. Christensen, from Hempstead; Ptl. Treanor, from Islip; Ptl. Lovito, from Patchogue; Ptl. Keating, from Smithtown; Ptl. Roach, from Brookhaven; and Ptl. Fleischman, from Riverhead.

In a Special Order of the Day, Police Chief Crozier expressed his sincere thanks to the department for their splendid work during the recent ground-breaking ceremonies. Mention was also made by the Chief of the courteous manner in which the Police had handled the public, when he said, "A patrolman who is successful in dealing with the public deserves to be highly praised, since public favor cannot be purchased, it must be earned."

"LINES OVER" (continued)

By the time the Captain had called "Lines over" and "Lines in" a dozen times, and they had fished up and down the inlet, the party had boated eight fluke, two sea bass, and two sea robins. Al Brunini took high prize with three fluke--one about three pounds--Alex Schultz second and Lester Homer third.

About this time the party looked like boys playing hookey and, true to form, started looking for a swimming hole. The Skipper found a secluded inlet for them, and from then on it was every man for himself. Downey, Jason and Walsh dove first, and by the time they reached the surface only a few were left on deck. After playing, "last man in is a sissy" for an hour, they scrambled aboard, sorted out their clothes and dressed.

Coming home, a quartet consisting of Marion, Darling, Maust and Dvorak, sang everything from "Heart of My Heart" to "Old Virginia Hills" while on the after deck six or seven gathered to swap jokes and the rest talked of what fish they'd catch next time.

The boat docked about 5:30 and the party retired to the Inn where prize winners acted as hosts.



Brunini's catch overshadows Reich's early strike (by at least 2 1/2 pounds). Mallory, Schultz, a crew member, Hollins and Marrison form admiring audience.

(letters not to the editor)

Dear Gertrude:

You'll laugh at this one. The guy explaining isotrops to me went haywire again and said "isotropes differ in behavior as do different elephants" Imagine, back to the animals again. So I says, listen brother, the only one intrested in the behavior of elephants would be another elephant so lets skip it.

Guess he felt badly for trying to be funny because he says right away, so soon as I can Ill give you some fishon material to make a dress if youll wear it when you go out with me. I says O.K. but after I get the dress made I guess I'll have to watch the guy. He'S nuts.

Now about the pile. This is funny too because it really is nothing but a pile of junk all piled to-gether to make chain reactions. Dont exactly know what chain reaction is but have an idea as once p Pop got mad at the garbage man and piled the garbage in the back yard. Inside of two days we got a chain reaction from all the neighbors and Pop had to apologize to the garbage man to get the mess cleaned up.

Doctors here are a dime a dozen and Dr Aberthny says that we have all kinds except doctors of filsofy. He says if my filsofy gets sick I'll have to sendit somewhere else. I dont know wether I should be insulted or not.

Will explain cologuins to you next time.

Doctor Maisie

STAFF ADDITION

Mr. Christopher Gerould has recently joined the staff as executive aide in the Information and Publications Division. Mr. Gerould was born in Princeton, New Jersey, and educated at the University of Lauseane, Switzerland, and Princeton. He has been writing professionally since 1930 and has written for Harpers, the American Mercury and other magazines.

During the course of his career, Mr. Gerould has been an advertising copywriter, staff writer for Fortune, foreign news writer for Time, science editor of Life and most recently managing editor of Federal Science Progress. In addition, he has worked as a professional photographer and as a machinist. Mr. Gerould is married, and has no children.

LIVINGSTON DESCRIBES TRIP

Dr. M.S. Livingston recently returned from a trip to England where he made a study of accelerator designs in English laboratories and observed new techniques and ideas which would be applicable to the Brookhaven accelerator design program. Dr. Livingston visited the universities of Birmingham, Oxford, Cambridge, Liverpool, Manchester, and Glasgow, as well as the T.R.E. Laboratory at Great Malvern, the Metropolitan Vickers Plant at Manchester, and the Harwell Atomic Energy Research Establishment which is the British parallel of the United States Atomic Energy Commission laboratories.

Dr. Livingston stated on his return that they do not have as large a body of scientists in England as we do in the United States and their program is not so extensive, but that the number of nuclear machines planned, under construction, and in operation, is an extraordinarily ambitious program for British scientists, whose number is so small.

Professor Oliphant's design of a proton synchrotron at the University of Birmingham was the development that was of the most interest to Dr. Livingston. He said that erection will start soon even though they have not yet solved the very difficult problems of frequency modulation or of control-circuit timing which are factors that must be overcome before the machine will operate efficiently. "This willingness to gamble on the future success of an instrument," said Dr. Livingston, "is characteristic of the British efforts at this time."

A detailed account of his visit was given by Dr. Livingston in an address to the Laboratory personnel on August 5th.

LIBRARY IN NEW QUARTERS

The Research Library now holds forth in T477, which is a spacious well-lighted building with plenty of room for everyone.

The high spot is the lounge, to the left of the main entrance, where comfortable chairs, ashtrays, and the daily newspapers are conveniently placed for your relaxing moments. For the more serious hours there are the growing book and periodical collections as well as ample table room for study.

The library is now open evenings from 8 to 10 P.M. and on Saturdays from 8 A.M. to 4 P.M. This is a temporary schedule, but

UPTON CACHETS AVAILABLE

On Friday, August 1st, at 2:00 P.M., Dr. L.R. Thiesmeyer and U.S. Post Office Department Inspector, E.J. Viola officially opened the new Upton, New York, Post Office at Brookhaven National Laboratory.

The new Post Office will provide service for the many on-site residents and visitors, as well as for the business of the Laboratory. Located in the same building as the Office Services Mail and Messenger Section, on the corner of Brookhaven Avenue and Center Street, it is well situated in the heart of the central area where it is readily accessible to expedite the business of B.N.L.

News stories announcing the opening of the new Post Office were placed in various Metropolitan dailies and an offer was made to furnish cachets to anyone sending in self-addressed, stamped envelopes. Although this information was released too late to be printed in some of the stamp sections, the number of requests received was in excess of 2500. Letters requesting cachets were received from points as widely separated as Seattle, Washington, San Francisco, New Orleans, Detroit, Chicago, and of course, a great number from New York City and Long Island.

For the benefit of those who failed to take advantage of the first day's mailing, the Editorial Office had fifty envelopes processed, and interested individuals may obtain one by calling in person.

will become permanent if the demand for the use of library facilities during these hours is reasonably large.

Dr. Spencer C. Stanford, formerly librarian of Monsanto Chemical Company, has assumed his duties as Technical Librarian. Dr. Stanford and Mr. Binnington are making plans for expansion of library services, and are at present interviewing applicants for the position of librarian of the catalog unit.

The latest addition to the library staff is Miss Elizabeth Thomas, assistant reference librarian, who was formerly with the Biological Sciences Division of Brown University library.

Among the many new books added to the library recently are: "Riddles in Mathematics", Eugene P. Northrup; "The Atomic Story", J.W. Campbell; "Applied Nuclear Physics", Pollard & Davidson; "The Nature of The Chemical Bond", L.C. Pauling; "German Research In World War II", L.E. Simon.

WANTA & BEERS JOIN STAFF

Norman R. Beers, Scientist-Meteorologist, has joined the staff and will develop and operate at the site a weather station, and carry on intensive studies in micrometeorology and aerology. At present, this work is being done under the general supervision of Dr. Borst. Instruments are ordered and special towers will be erected at the site for some of the observations. Since the Army Air Forces are also interested in this program, some high-level observations will be made with specially-equipped airplanes.

Born in Seymour, Missouri, Mr. Beers attended the University of Missouri where he earned his B.S. in Electrical Engineering and an M.A. in Mathematical Physics. After a period of study in Astrophysics at Oxford under a three-year Rhodes scholarship, he was employed by the McGraw-Hill Company as a Scientific Editor. He was a Lt. Commander in the U.S. Navy in World War II and for three years taught Turbulence at the Postgraduate School of the U.S. Naval Academy in Annapolis.

Associated with Mr. Beers in the operation of the weather station will be Mr. R.A. Wanta, who has been loaned to the Laboratory by the U.S. Weather Bureau. Mr. Wanta attended Marquette, Canisius, and the University of Chicago, and during World War II his work in the Army led him into the field of "sferics," the radio apprehension of thunderstorms at great distances. He was present at Operation Crossroads.

LOST

- 1 Silver bracelet, engraved with name Jeanne.
- 1 Pair of horn-rimmed glasses, brown leather case.
- 1 Car key.
- 1 Pair of sun glasses.

FOUND

- 1 Raincoat, found in bus on Sunday, September 7.
- 1 Silk scarf, found in vicinity of Building Number 134, and Biology Department.
- 1 Masonic ring, found in T-118.
- 1 Pair of steel-rimmed glasses in case, found in Finance Building.
- 2 Silver chains, with religious medals, found in Dispensary.
- Keys--various.
- 1 Make-up bag with make-up found in Employment.

FOR SALE

One pair lady's riding boots, new, size 10. Call Mrs. Hanlon, extension 309.