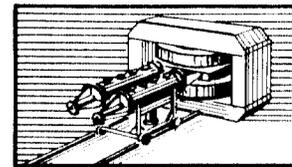


ISOTOPICS



BROOKHAVEN NATIONAL LABORATORY

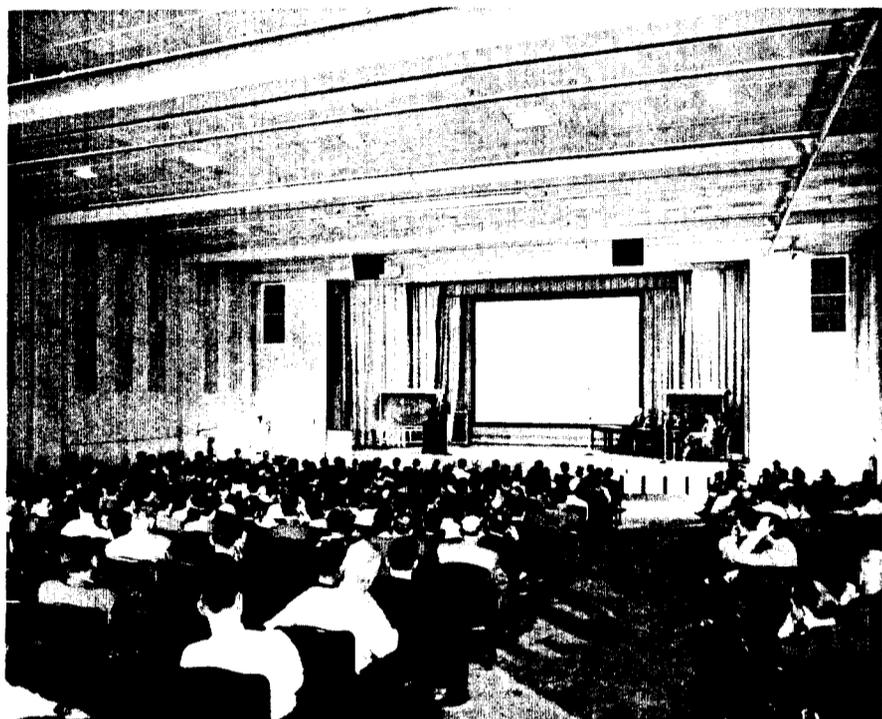
ASSOCIATED UNIVERSITIES, INC.

VOLUME I

UPTON, NEW YORK

OCT.-NOV., 1947

NUMBER 4



Scene in auditorium showing part of large group that attended sessions of Biology and Medicine Conference.

Jackson Laboratory Offered Use Of BNL Facilities

The destruction of the Roscoe B. Jackson Memorial Laboratory, one of the leading institutions engaged in cancer research, by the forest fire that recently raged through Bar Harbor, Maine, caused grave concern in medical and government circles.

Immediate offers of assistance were made to Dr. Clarence C. Little, director of the burned-out laboratory, by medical institutions throughout the country and the Atomic Energy Commission was prompt in offering the use of the facilities here at BNL for re-establishing the Jackson Laboratory program.

The AEC invitation was immediately confirmed on behalf of Associated Universities, Inc., by Mr. Edward Reynolds, president, and Mr. Eldon C. Shoup, executive vice president, and they included in their offer the use of temporary housing for members of the staff. Dr. Little was also assured that the Jackson Laboratory would retain complete freedom of independent operation.

The associate director of the Jackson Laboratory, Dr. George W. Wooley, visited here on October 31 to discuss the offer of assistance and Drs. John Fuller and Meredith Runner, members of the committee appointed by Dr. Little to make future plans for the Jackson Foundation, spent two days here early in November look-

ing over the facilities and discussing possible plans. It is probable that the exact future plans for the Bar Harbor establishment will not be definitely determined for some time.

It is understood that one part of the research work that was previously carried on at Bar Harbor can be continued without delay at the Sloan Kettering Institute of the Memorial Hospital in New York City. The work that may be transferred to BNL would presumably consist mainly of re-establishing the invaluable strains of mice, used for cancer studies, representing two hundred generations of careful breeding, which were totally destroyed by fire.

Dr. Shields Warren, director of the AEC division of biology and medicine, and Dr. Philip M. Morse, director of BNL, said that the program in hereditary aspects of cancer carried out at the burned-out Bar Harbor laboratory was directly related to the cancer research program authorized for Brookhaven National Laboratory.

Techniques In Use Of Radioactive Materials Conference Topic

The demand for information regarding the procurement, laboratory handling, and disposal of radioactive isotopes that has accompanied great expansion in the use of these materials as tracers for research work in biology and medicine, led to the conference held at BNL on

October 16, 17, and 18, according to Dr. Leslie F. Nims, chairman of the Biology Department. In addition, Dr. Nims stated, the conference presented the opportunity to inform interested individuals that the Laboratory is anxious to help scientific workers to find solutions to new problems and to invite them to make use of our laboratory facilities in their research.

While no public announcement was made of the conference, with the exception of brief mention in several scientific journals, over 400 people arranged to attend. Doctors engaged in medical research at the Mayo Clinic, the Rockefeller Institute of Medical Research, the National Cancer Institute and many major hospitals, and botanists and zoologists from universities in the United States, as well as representatives from industrial research laboratories, drug manufacturing companies, life insurance companies, the Army, the Navy, AEC, Oak Ridge, Argonne,

Hanford and numerous other institutions, attended the three-day session. Visitors from England, Australia, Denmark, Sweden, Holland, China and Italy also attended.

Many of the visitors from nearby towns returned to their homes each evening but over two hundred were housed at the Laboratory in the guest house and in barrack buildings that had been prepared for the occasion.

To provide evening entertainment for the guests, movies were shown in the theatre and the "Nuclear Energy at Work Exhibit" was placed in operation.

Both Dr. Nims and Dr. Sunderman, acting chairman of the Medical Department, stated that they were pleased with the interest shown in the conference as indicated by the attendance, and that success was made possible by the splendid cooperation of the various members of the staff responsible for preparing and carrying out the plans.



Crowd viewing display of radiation detection instruments, demonstrated by the Electronics and Instrumentation Division, at final session of Biology and Medicine Conference.

STAFF PROFILE



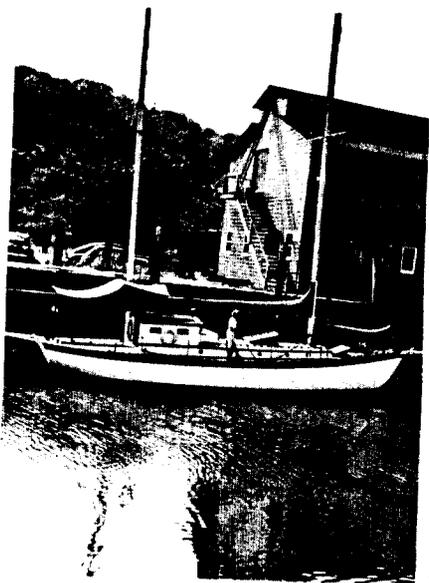
John E. Binns

The housing shortage holds no terrors for John (Jack) E. Binns, Engineer in the Electronics and Instrumentation Division of the Physics Department. When night falls, he and his wife, Dorothy, batten down the hatches and retire to the comfortable cabin of their 43 foot ketch and laugh at landlords, real estate agents, and building contractors.

The Capella, a sailing vessel with gasoline auxiliary, is the third and largest boat that Jack and Dorothy have owned, and living on board is the fulfillment of a dream and not the result of inability to secure adequate housing ashore. The Capella is berthed in Hempstead Harbor at Roslyn, N.Y., and while this is almost fifty miles from Upton, it was the nearest harbor available that offered a channel deep enough.

Jack and Dorothy purchased the Capella at Mystic, Connecticut, and sailed her to Port Jefferson where they spent the summer months. Jack thought this location would be too cold during the winter months.

Jack was born in Salem, Ohio, and received his BS at Case Institute of Technology at Cleveland, Ohio. After graduating from Case he spent several years in the U.S. Merchant Marine as



radio operator and then studied physics at Columbia University for four years. At the present time he is supervising the planning of the controls for the Nuclear Reactor.

Life on the water is not all a matter of lolling in the cockpit watching the sea gulls cavort, according to Jack. He says that there are not enough week-ends to allow him time to get all of his work completed. Fifty per cent of his free time is spent in making the Capella a first class cruising boat, and the other fifty in helping to revamp the main cabin and galley, installing a shower bath, coal stove, closets, etc.

Jack and Dorothy hope to have the Capella ready for several cruises next summer, the first port of call being Maine.

REYNOLDS ADDRESSES MEETING

"Atomic Research as a Factor in Making America a Worthy Example" was the subject of a talk given by Mr. Edward Reynolds, President of Associated Universities, Inc., during the fourth session of a two-day meeting held at Christ Church, New York City, on October 2nd and 3rd.

The theme of the two-day meeting was: "The Price of Peace," and many prominent speakers addressed each session.

Mr. Reynolds prefaced his remarks with a statement that the words, 'atomic research,' automatically brought to mind the thought of a destructive force, and that his purpose was to present a different picture of research in the atomic field.

An outline of the course of events which led to the organization of Associated Universities, Inc., and the establishment of Brookhaven National Laboratory, was given by Mr. Reynolds, and he stated that the Laboratory will "provide the facilities and the permanent staff required for a long-term program of fundamental search, exploring the vast, unknown areas which must be thoroughly studied before the data for application of nuclear energy can be put in the hands of hospitals, industries, agricultural scientists, engineers, power producers, and all others who will develop the actual use."

Mr. Reynolds said that it is planned to give wide publication to the knowledge obtained which is not of military significance, and asserted that a great deal of attention is being devoted to radioactive isotopes for use as tracers. "In the field of industrial and agricultural developments," Mr. Reynolds continued, "The tracer techniques will make

DR. NORMAN F. RAMSEY ACCEPTS HARVARD PROFESSORSHIP

Dr. Norman F. Ramsey, associate chairman of the Physics Department, terminated his full time activities here on September 15th, and accepted an appointment as associate professor of physics at Harvard University.

Dr. Ramsey has been associated with the Laboratory since its inception. He acted as secretary of the organizing committee in 1946, and took an active part in planning the organization, in deciding its policy, and in selecting the site for its location.

As acting head of the Physics Department, Dr. Ramsey was instrumental in building a department that grew to a staff of seventy, divided into four research divisions.

On August 1, when Dr. Thomas H. Johnson was appointed chairman of the Physics Department, Dr. Ramsey remained as associate chairman. He will retain this office and continue as a consultant.

Dr. Philip M. Morse and members of the staff who worked with Dr.

Ramsey in the establishment of the Laboratory, addressed a letter to him which read as follows:

"Now at the termination of your full-time activities at Brookhaven, we, who have worked with you in the initial establishment of the Laboratory, wish you every success and happiness in your new work at Harvard. Your supreme faith in the ultimate goals of Brookhaven will long continue to inspire our efforts, and we look forward to your frequent visits to Brookhaven and to your continued participation in the guidance of the Laboratory's policies and research program."

In replying, Dr. Ramsey thanked the staff members for the good wishes extended to him, and concluded his letter by stating:

"Although from now on my time will be divided between Harvard and Brookhaven, I am looking forward to a long period of extensive and active participation in the research program of the Laboratory."



Dr. Norman F. Ramsey (third from left) with original members of Physics Department. Left to right--H. M. Lehr, G. B. deForest, L. F. Bowditch, and J. B. H. Kuper.

possible new methods of production."

Mr. Reynolds asserted that due to the war there is a lack of young scientists. He stressed the need for a growing body of scientists and specialists, and outlined the role that Brookhaven National Laboratory will play in this educational program.

In conclusion, Mr. Reynolds stated, "As we in this country make our national plan for the control of atomic energy work, is it not conceivable that the spirit of cooperation found here may be the forerunner of a larger pattern for which the world is searching?"

DR. JOHNSON HONORED

Dr. Thomas H. Johnson, chairman of the Physics Department, who was wartime chief of the Ballistics Measurements Laboratory at Aberdeen, Md., was awarded the U. S. Medal for Merit on September 25, 1947.

Dr. Johnson was credited with saving the United States millions of dollars with his solution of the problems of measuring the blast of bombs. Determination of the effect of explosives by his group at Aberdeen was used by America and its allies during the war.

STAFF PROFILE :



Dr. L. R. Thiesmeyer

When he joined the staff as Dr. Morse's executive assistant on the 5th of September, 1946, Dr. Lincoln R. Thiesmeyer became the chief staff officer of Brookhaven National Laboratory. At that time the Laboratory consisted of a handful of energetic people operating in two crowded rooms of the Pupin Physics Laboratory at Columbia University. At first he could only spend a part of his time helping Dr. Morse, Dr. Ramsey, Mrs. Kuper and the rest of the "old guard" of our staff with recruiting, policy-making, planning and the myriad tasks that faced the early group.

By December, his work of supervising termination of a major unit of the Office of Scientific Research and Development completed, Dr. Thiesmeyer joined the staff as a full-time member.

Dr. Thiesmeyer began his career as a geologist and educator. He spent about eighteen years in teaching and research and is the author of numerous articles and abstracts in the journals of that science. During his affiliation with the faculties of Dartmouth, Wesleyan University, Harvard, Radcliffe, Lawrence College and Illinois Institute of Technology he trained many promising young men and women who have since become professional geologists. In 1937 he was Director of the Harvard Summer Geology School in Colorado, and in 1938 was Co-Director of the Louisiana Geology School in the Colorado Rockies. In 1940 he became Chairman of the Department of Physical Sciences and Mathematics at Lawrence College, in Wisconsin and Curator of the College's Museum.

Born in 1908 he entered Wesleyan University in 1924. His first interest was in medicine, but soon the fascination of volcanoes and glaciers, fossils and minerals had gripped him and he determined to become a "rock-hound." Beginning graduate

study as a Teaching Fellow at Harvard in 1930, Dr. Thiesmeyer was persuaded to set aside his geologic career temporarily and to spend two years in private tutoring and world travel.

Resuming graduate studies at Harvard in 1932, he spent several years teaching at Harvard, Radcliffe and the Boston Center for Adult Education and received his Ph.D. in dynamic and structural geology in 1937. During that interval he was also active in affairs of the Scientific Book Club and became President of the Harvard Geology Club.

By 1941, Dr. Thiesmeyer's flair for administration and his ability to deal with scientists in several fields attracted the attention of a group of men in the natural and manufactured gas industry who wanted to set up a highly specialized graduate school and research center for that industry. He then became the first staff member and ultimately the Educational Director of the Institute of Gas Technology in Chicago and was responsible for the selection of its student Fellows and the design of its curriculum.

In 1943 the call to urgent administrative tasks in Washington was too strong to refuse. Dr. Thiesmeyer became the first staff member and Head Technical Aide of the OSRD's Office of Field Service under Dr. Karl T. Compton, president of MIT. In this capacity he developed a staff, set up procedures and fought through administrative red tape long enough to become more than ever sympathetic with a scientist's point of view toward it.

The Thiesmeyer home on Gillette Avenue, Bayport, has more lawn and garden than he can manage until eleven-year old "Teddy," enthusiastic fisherman of the family, and Kirtley, age nine, future rival of Danny Kaye, show more practical interests--in lawnmowers, and hoes, and rakes, for example. Janet, the young lady of the group, at the early age of six, has the quite feminine characteristic of being interested chiefly in the male population--at the moment, her Dad.

As President of the new Parent-Teacher Association in Bayport, Dr. Thiesmeyer spends evenings on committee work. He has also recently taken to singing in the choir of St. Anne's Church, Sayville. He says this is one good way of keeping a parental eye on Kirtley who sits in the Boy's Choir across from him looking altogether too angelic.

Dr. Thiesmeyer is co-author of "Combat Scientists" which is reviewed in another column and a "Laboratory Manual of Geology" which has been adopted for use by Harvard and other institutions.

LILIENTHAL TALKS ON
AMERICA'S STRENGTH

The strength of American civilization is ethical and spiritual, David E. Lilienthal said in his talk on The Strength of America at the Herald Tribune Forum on October 21, 1947.

"The central role of free, competitive, private enterprise in the life of America," said Mr. Lilienthal, "can hardly be exaggerated. But neither this nor any other answer in economic terms can explain our basic vitality. The basic source of the strength of American civilization does not lie in an 'economic system.' The well-springs of our vitality are not economic.

"They go deeper still: they are ethical and spiritual. Our society in America is founded not upon the cold and bloodless 'economic man' of the Marxist, but upon a faith in man as an end in himself. We believe in man. We believe in men not merely as production units, but as the children of God.

"We believe that the purpose of our society is not primarily to assure the 'safety of the state' but to safeguard human dignity and the freedom of the individual."

Expanding upon his definition of the American way of life in words that recalled his much-quoted definition of democracy given during the Congressional hearings preceding his appointment to his present office, he said:

"What we have, actually, is not a system at all, but almost its opposite--that is, a society of the greatest imaginable diversity and flexibility, taking things as

they come, deciding how to handle situations by the facts of each situation itself--doing what comes naturally. The only way in which it can be said to be a 'system' is to say that our 'system' is to have no system."

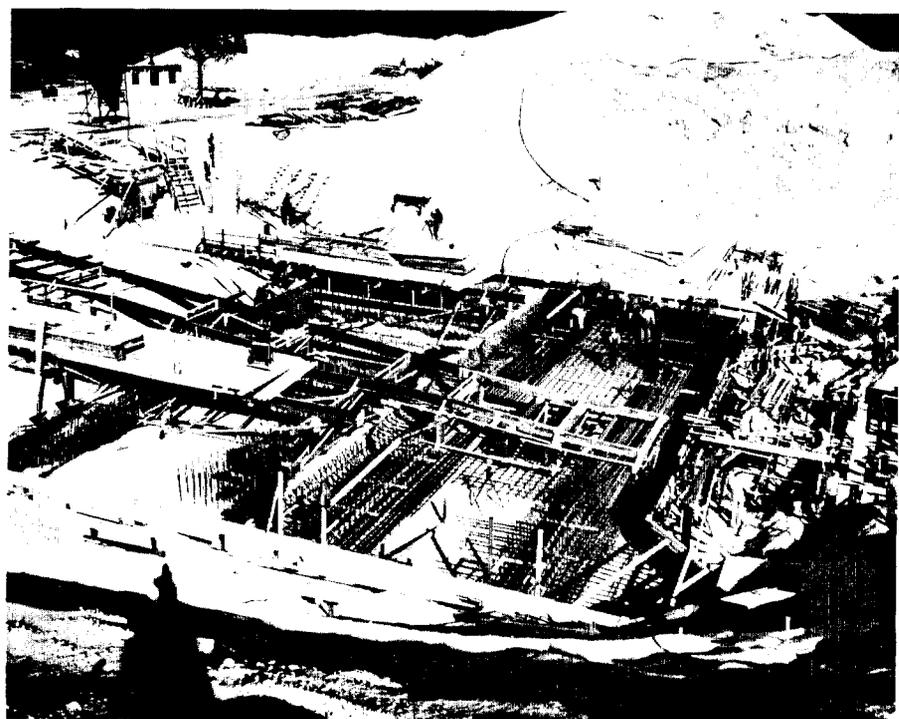
Mr. Lilienthal said that the American society could flourish in no other way, and that its strength lay in its diversity and adaptability to any need. It was a way of national life, he asserted that stood the nation and the world in good stead right now.

"For in western Europe," he said, "there are many different kinds of economic undertakings and methods of control; and as befits world leaders, we are peculiarly equipped by reason of our own economic versatility to deal effectively with each of these, without sacrifice of our own unifying sense of purpose and direction."

E. C. SHOUP TALKS ON AUI-BNL

"We all have the good fortune of taking part in one of the outstanding ventures of the postwar period," Mr. Eldon C. Shoup, Executive Vice President of AUI told a group of about two hundred Laboratory staff members at a meeting on October 1st, 1947.

Taking as his theme, "Associated Universities and the Laboratory," Mr. Shoup outlined the steps that led to the organization of AUI by the nine participating universities, and discussed in detail its functions in relation to the Laboratory. He pointed out that the actual operation of the Laboratory was the responsibility of the Director and the Laboratory staff, and that the main functions (continued on page 8)



PILE PROGRESS: Eleven weeks after ground breaking forms had been constructed and reinforcements were being set for concrete foundation. 410 yards of concrete had been poured when picture was taken.

ISOTOPICS

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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.

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No. 4

STRENGTHENING AMERICA'S PRINCIPLES

David E. Lilienthal, in a speech at the Herald Tribune Forum, which is reported in another column of this edition, stated that America's strength lies in her ethical and spiritual principles and urges that we guard them closely as we assume leadership in world affairs.

It would not be in keeping with our principles, nor could we attempt to take a leading part in world affairs, if, having played a major role in freeing the peoples of Europe from despotic rule, we delivered them to hunger, starvation and death.

America's principles come to the fore in any national or international disaster. Americans, as individuals and as a nation, quickly respond to the calls for aid. Sufferers are clothed, fed, and housed without regard to race, color or creed, whether the cause be a hurricane in Florida, an earthquake in Japan, or a flood in China.

War's devastation strips the countries in which the battles are fought, of means of self-preservation. Farm implements are scarce, farm animals are few, and the soil, due to lack of fertilization, will not produce in normal quantities.

Can we, with the knowledge we have of conditions in war-torn countries, refuse the aid that we would offer freely to ease the lot of peoples suffering as a result of an act of God? Is the aftermath of war less of a calamity than the need that follows a disaster caused by fire, wind or earthquake?

In Europe, men, women and children by the hundreds of thousands, are living on a starvation diet. Many will die and those that survive will lack that strength of body and mind that should be the birthright of everyone. And if one or two less slices of bread a day, for us more fortunate ones, or a meatless day or two, will provide food to alleviate the suffering, we can, we should, and we will make these small sacrifices and greater ones, if need be.

The eyes of the peoples of the world who want liberty and freedom look to America as the last hope and the last refuge of free and independent men. We cannot afford to have them think otherwise, and their belief and our own ethical and spiritual principles will be strengthened by our determination to provide all possible aid to suffering humanity without regard to race, color, creed or ideology.

COMBAT SCIENTISTS

The recently published book, "Combat Scientists," by Dr. Lincoln R. Thiesmeyer and John E. Burchard, is a tale of the part that was played in World War II by the men whose scientific training and aptitude for the job called them from the laboratories, the universities and the war plants in this country to take their places as civilian soldiers.

This is the second of a series of eight books under the general title, Science in World War II, a history of the Office of Scientific Research and Development. The major portion, written by Dr. Thiesmeyer, is the story of the Office of Field Service. Part Two, written by John E. Burchard, covers the activities of Committee NALOC and Committee DOLOC, two Committees of OSRD who worked with the Navy to "Find the Beaches" and to "Clear the Beaches."

The book is written in a narrative, popularized style that is easy to read. The title of each chapter, such as "From VI Fuse to Fungus," "Rust, Jungle Rot and Psychoneurosis" and "Fantasies, Phantoms and Facts" graphically illustrates its content.

Throughout the book the reader is aware that the scientists of our country played an important role not only in the laboratories at home, but at the actual scenes of conflict. Developing plans for safer passage of convoys, choosing sites for air strips and finding weak spots in Nippon's war plants were only a few of the tasks assigned to these men. In carrying out their assignments they travelled to all parts of the world and their adventures make a dramatic story.

This volume is an eye opener for non-scientists who picture scientists as long-whiskered individuals pattering with a test tube, chasing butterflies, or sitting on a hilltop cracking stones with a hammer.

Whittlesey House announced recently the opening on December 1 of the Second Biennial Prize contest for books on scientific subjects written for the layman. The new contest, sponsored by Whittlesey House and Science Illustrated, offers a first prize of \$3,500, a second prize of \$1,000 and a third prize of \$500. The contest will close November 1, 1948.

All manuscripts accepted for book publication will be reviewed by the editors of Science Illustrated for possible reprint at the magazine's usual rates. In addition to the outright awards, there will be an advance of \$1,000 against royalties on all manuscripts accepted for publication.

FACT N' FISSION

Would like to contact female bridge instructor.

(Adv. in local newspaper)

Telephone any married couple.

* * *

An apartment is a place where you turn off your radio and find that you have been listening to your neighbors.

* * *

The strongest words are usually used in the weakest arguments.

* * *

BUTCHER STABS SELF WHILE CUTTING MEAT

Newsday

Guilty conscience?

* * *

Seasonal Story--The hunter returned breathless to camp and said to the guide, "All the boys back?"

"Yup."

"All six of them?"

"Yup."

"Bill, Pete, Jack, George, Charlie and Chris?"

"Yup."

"Then I've shot a deer!"

* * *

Egotist: A fellow who tells you the things about himself that you were going to tell him about yourself.

* * *

According to a recent news item, a fireman punched a bear in the nose at the Brookfield Zoo and saved the life of a three year old boy. A man with such proclivities should be drafted into our diplomatic service.

* * *

GOVERNMENT ALLOTS \$90,000. FOR GAME

Bingo? Palmetto (Fla) News

* * *

And then there's the story of the man who took his friend quail hunting and finally found him kneeling on the ground drawing a bead on a quail that was walking through some bushes.

"Good night, George!" he said. "You are not going to shoot him while he's walking, are you?"

"Certainly not," said his friend, "I'm going to wait until he stops."

* * *

FIRE EATERS WIN

SOFTBALL CHAMPIONSHIP

In a closely contested game, marked with few errors, the Fire Department Soft Ball Team nosed out the Materials Control team by a score of two to one in the final game of the second half of the league series.

A double by Shepard in the second inning with Meyer on second base gave the Fire Eaters their first tally and Texeira's single in the third brought Corsi in for the score that turned out to be the winning run.

Materials Control made its only score on a home run by Iarucci, in the fifth inning.

Winning the second half of the series automatically crowned the Fire Department Team as the 1947 Champs, as they were the victors in the first half, and a plaque, suitably engraved, will be presented to them to hold for one year. The plaque will become the permanent possession of any team winning it three times.

AUTO RACING AT BNL?

A miniature automobile, racing across the floor of the gymnasium recently, attained a speed of over 60 miles an hour and may be the forerunner of a new hobby that will be taken up by members of the Laboratory personnel.

Dick Gould, messenger, constructed the miniature racer, which is four inches long and weighs all of two ounces. It is jet propelled, power being supplied by carbon dioxide cartridges ordinarily used to make charged water.

Dick punctures the end of the cartridge with a firing pin of his own making, a phonograph needle propelled by a rubber band, and the model car, held on its course by lugs that follow a fish line stretched across the floor, gets away with a zip and speeds to the other side of the room where it is stopped by a pillow or a pile of towels.

Some of the men in the machine shop are planning to build models to compete with Dick's racer.

BNL CAMERA CLUB FORMED

A BNL Camera Club is being formed, according to an announcement by the Welfare and Recreation Section, and staff members interested in joining should communicate with R. L. Vogt, Ext. 96.

Indications are that this will be an activity that will interest many members of the staff personnel as thirty-six applications for membership have already been received.

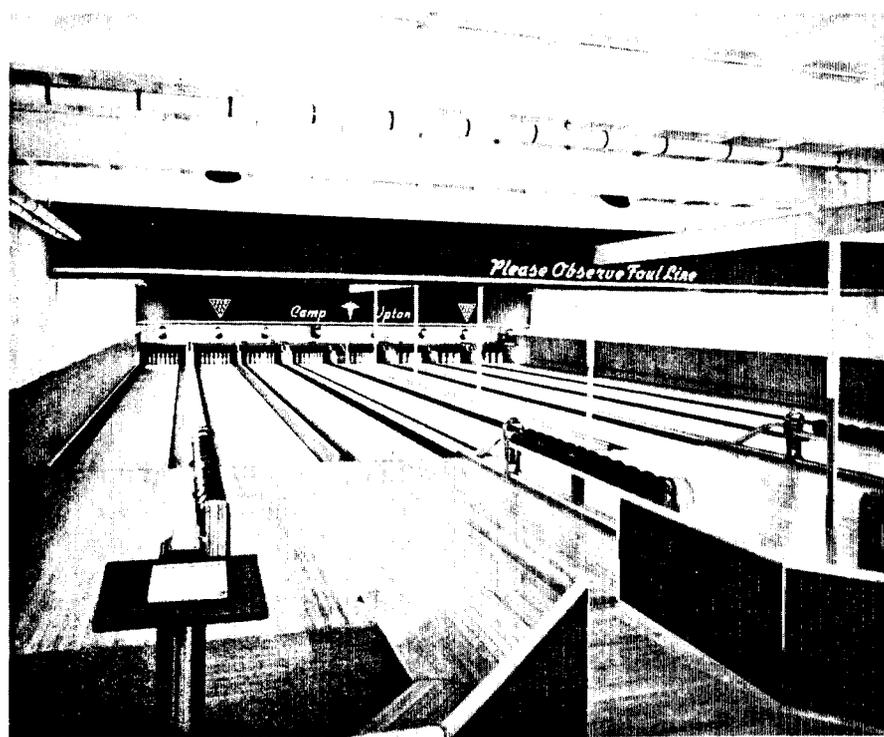


FIRE DEPT. TEAM, winners of the 1947 Interdepartmental Soft Ball League championship. Standing: D. M. Shepherd, T. Newman, O. Meyer, Chief J. C. Crawley, A. Texeira, H. C. Norcross and F. Peters. Kneeling: F. J. Strier, S. M. Takats, S. Saulle, O. J. Healy and C. Corsi.

MUSIC AVAILABLE FOR WATER SPRITES

A portable amplifying system is now a part of the Recreation Section's equipment and will be used to furnish recorded music for the swimming pool and for dancing in the gymnasium and other recreation rooms.

A swimming party under the auspices of staff members of the Nuclear Reactor Project, held on Saturday, November 1st, was enlivened by the strains of popular music coming from the loud speaker in the pool building and the equipment was also used to provide music for a dance held in the gymnasium on October 31st by members of the on-site apartment group.



KEGLERS PARADISE: Eight of the sixteen Laboratory bowling alleys.

BNL BOWLING ALLEYS OPEN

The thunder of balls rolling down the alleys and the crash of falling pins was music to the ears of the fifty keglers who were present at the opening of the BNL bowling alleys on Monday evening, November 3rd.

A total of 123 games were rolled during the evening and all of the bowlers expressed their appreciation of the splendid condition of the alleys and other equipment. The fact that coffee and sandwiches were available added to the evening's enjoyment.

The main attraction of the opening night was a match between the Motor Pool and the Men's Dormitory. The Motor Pool team was the victor, winning two out of three games and also leading on points scored with a high game score of 641 and a total score of 1721 for the three games while the Men's Dormitory only succeeded in toppling 1656 pins.

High individual score of 179 was made by William Ward of the Men's Dormitory team. (Apparently the Wards hope to make high scoring a family affair, as Bill's son, W. C. Ward, of the Warehouse group, rolled 220 on the following night.)

If the number of entries received for the BNL Interdepartmental Bowling League is an indication, bowling promises to be a popular sport at the Laboratory during the winter. 18 men's teams have indicated their desire to compete and the ladies will be well represented in their part of the contest, as 9 teams have already entered.

Eight alleys will be reserved every evening for open bowling, and the remaining eight used for team play, so there will always be alleys available for those bowlers who do not enter team competition.

In order to provide transportation for bowlers, Burk's Bus Company has agreed to furnish service between Patchogue and the Laboratory during the evening hours, the last bus leaving the Laboratory at 11:55 P. M. The busses will also stop at East Patchogue, Bellport, Brookhaven and Yaphank.

The exact date for the start of competition in the Interdepartmental Bowling League has not been announced, but it is planned to start the series sometime before the end of November.

In response to public demand the swimming pool will be open Wednesday evenings until 10 P. M., according to an announcement by the Welfare and Recreation Section.

SOCIAL AND ANTI-SOCIAL

Accelerator Project

Did you know that: Joyce Master makes better apple pie than Mother used to----Julie Vault is looking around for a permanent spot as fourth at bridge----Two of the swimming pool records are held by members of the A.P. - C. J. Briody in the 1/2 mile and 1 mile swims and Dr. Ernest Courant in the breast stroke.

Dr. William Moore is anxiously awaiting the arrival of his wife and baby daughter. The anxiety is heightened by the fact that he hasn't seen the baby yet. She was born a few days after he left Seattle to join the staff at Brookhaven.

Phil Mittelman and Herb Lehr, now occupying an apartment at Center Moriches have quite a system. When they tire of their own cooking they invite girls, skilled in the culinary arts, to prepare a dinner for them. They supply the ingredients; all you have to do is present the menu for approval.

Rose Simms, John Hare, Al Wise, John Kosh, Bob Lindgren, Jim Reberman and Walt Lones are additions to the Accelerator Project.

Architectural Planning

Harvey McChesney, Jr., joined AP & PM as an Administrative Aide on October 16th. During the war Mr. McChesney served the U.S. Navy as a Lt. Commander with four and one half years of active duty in Aviation Maintenance.

Ralph S. Carmichael became a member of this department on October 20th. He will be in charge of maintenance of on-site and proposed off-site housing, with the title of Resident Housing Manager. Mr. Carmichael was formerly employed with the Gulf Oil Corporation.

Clarence Risley has chosen Atlanta, Georgia, as the ideal place for his two weeks vacation (starting Sunday, Oct. 12th.) "Ris" has an excellent reason for this choice, but why is it secret?

Biology Department

Taking advantage of the good will behind emergency housing procedures, the staff of the Biology Department is beaming on their present little settlement, for it didn't take them long to graduate from T-147 to include 128, and now is most thankful that 129 will take the overflow. Nothing will get a good man down.

Members of the league of Proud Papas in the department are never happier than when spending a few blissful moments comparing notes on the latest activities of the cherub offspring.

During the course of last month's conference, the departmental stamp of approval was placed on many of the on-site apartments. Very nice quarters, and orchids to the hosts and hostesses.

Favorite crop among the various labs in the immediate neighborhood of T-127 is neither Trillium, nor sunflowers, but sugar cane, a crop which the Ecology section has as yet failed to classify in their survey.

Building & Grounds

Tom Marrion, Administrative Aide, qualified for the Bellport Country Club Golf Championship and advanced to the finals. His luck held out until the last hole when he was beaten by a twenty-foot putt.

Ted Austin has been making a favorable showing in the swimming pool for the 100 and 200 yard free style. His time for the 100 is 1:11:4; and for the 200 it is 3:14. He is now practicing for the 1/4 mile and hopes to set a new time for the Laboratory. But Building and Grounds can no longer take credit for his athletic accomplishments. On Monday, October 27, Ted became postmaster of Upton, New York, when Jean C. ten Hove moved back into the Brookhaven fold as Assistant to Captain Robert Conrad.

Mr. P. A. Dixon is a new member of our Administrative Staff. He will be in charge of all real property and installed property records for the Laboratory. Mr. Dixon was formerly with the Atomic Energy Commission.

Business Offices

Rose Ingellis enjoyed the happiest fortnight of her life, marrying pianist George Dolan on October 9, then witnessing her husband's U.S. debut on October 17 at Northport, L.I. Mr. Dolan has performed previously in Canada, and is now studying at the Julliard school.

Eva Sidey is engaged to Barton Lapham of Garden City, L.I.

Dorothy Ruther, our Western Union Telegraph operator, is flashing a diamond on her finger and a twinkle in her eye.

Purchasing celebrated a pair of very happy birthdays - Daniel Ryan and Shirley Schultz.

Rosemary Zachary and Marion Smith are on vacation - or that's what they call it. Both are doing decorating jobs on their homes.

Hope Turner of the mimeograph room is sporting a diamond ring, and Al Ehlers is continually smiling.

Joey (Cowboy) Abrams, Pappa of a baby boy. Joe thought it was going to be twins.

Ann Burke has a gleam in her eye and another on that third finger, left hand. The happy day, October 26th, she became Mrs. Thomas Marquardt, of Islip.

Chemistry Department

The Chemistry Dept. is humming again. There was a decided lull when Jack Miller and John Gryder went back to Columbia. However, there is a new batch of interesting personalities who are rapidly turning the Chemistry Dept. into a beehive.

There's cigar-smoking Julius Hastings with a doctorate from Cornell. Monsanto Chemical Co. in Dayton, Ohio, was his last employer. Wife and one child, plus a boat, complete his family.

Dr. Oliver Schaeffer is down from Harvard, where he worked with Kistiakowsky, and is now installed in the Brookhaven Apartments with his wife and two children.

Francis Bonner, from Yale and Oak Ridge, is a radiochemist, and will be living in Medford. Francis and his wife are music fiends.

Alan Weiss is a Berkley grad with a stretch of Los Alamos under his ample belt. Alan and his wife are now living at the Brookhaven Apartments.

Clarence Hammond has also been gratefully received into the fold. He will be the on-the-spot expediter (in official lingo, executive aide) to Dr. Dodson. Mr. Hammond's background includes Sperry Gyroscope and Island Air Ferries, and he has two children, one wife, and an abode in Sayville.

Dr. William Rubinson is our only bachelor, and he comes from the University of Chicago and Los Alamos.

Warren Miller has just bought a house in Oldfield, South, and should be settled in time for the arrival of his second child.

Dr. Dodson has bought a house on a river near Patchogue and is very happy about the additional space.

Communications

New voices on the lines: Frances Markham of Babylon, formerly of N. Y. Telephone Company and Mason General Hospital; Mrs. Eda Cooper of Oakdale, former Texas telephone operator; and Dorothy Bagley of Riverhead, formerly of N. Y. Telephone Company.

Anyone interested in seeing the telephone switchboard in operation is cordially invited to call for an appointment.

Electronics

Welcome to T-426: John N. Michel

and Calman Lasky arrived October 1st to begin work in the Engineering Section. Mr. Michel previously worked at Kollsman Aircraft in Elmhurst, and Mr. Lasky was employed in the Pilotless Plane Division of Fairchild in Farmingdale. Similar, but now somewhat belated greetings also to Miss Marilyn Hoopes, recent Wellesley graduate, who comes from Philadelphia; David Balber, who adds considerably to the Health-Physics Section; Robert Chase, Research Associate; and Dick German, formerly of the Stockroom Section.

Sy Block from Brooklyn and the Navy Department arrived in the Health-Physics Section as a Research Associate in time to assume an important responsibility-- Captaincy of the Electronics Keglers.

The first meeting of the Friday Night Club was held at Cas Nawrocki's home in Bellport on Wednesday night. The Friday Nighters will continue to meet on Wednesday because it seems that some of the wives of the worthy members belong to Thursday night bridge clubs which meet on Tuesday or Friday nights. Confusing, isn't it? Other members of the "You-name-the-night Club" are Bud Lacey, Charlie Boulin, Wayne Allen and Budd Pollock.

General Shops

It's good to see that Jack Amaro is feeling much better since his operation.

Mr. Nicholson and Mr. Shaw are in the process of organizing a Rifle Club. Anyone interested, contact either of the aforementioned for particulars.

Notice has been taken of the marked absence of Sven Hasselriis' squeaky shoes.

Welcome: An addition to our drafting staff is suave Arnold Runge, a Yale graduate. Our Boola-Boola Boy has been in this field of endeavor for fifteen years and hails from Connecticut. (That's Yankee Country, son).

Another addition to our Tool Rooms Section is Miss Edna Leader, formerly of Personnel. Greetings to the girl from Ronkonkoma.

Recent Weddings: Jean Harless and Washington Dominy; Middie Hallock and Danny Thorne; Virginia Cloos and James Walsh.

Ruth Melville and Charlie Larsen will be married on December 13, 1947.

Stork Club: Mr. & Mrs. James Godin are the proud parents of a baby boy, "Barry Alan."

Mr. & Mrs. Sven Hasselriis are the proud parents of a baby boy, "Warren."

Grounds Maintenance

On the 27th of October, the family of Al Qualtere of the Survey Party was increased by one. A baby daughter, Lorraine, weighing six pounds five ounces was born at Southside Hospital in Bay Shore. Our congratulations to Al and Terry.

Congratulations are also in order for John Tabbitas of the Roads Section and his wife, who are the proud parents of a baby girl, Mary Ann, born September 19th, in Brooklyn.

The Coal Yard, formerly a part of the Heating Section of Utilities, was recently transferred to the Grounds Maintenance Group. The boys who are handling the job of supplying coal to about 50 of the buildings about the area are: Walt Cosier, Teddy Robinson, Wes Brown, John Drumm, Les Davis, Jim Gragg, Hank Kurz, Tom DeVries, and Harry Shipley.

"Papa" Lou Darn is the driver of that beautiful "Silver Streak," that comes around each day to pick up refuse all around the Laboratory and the Apartment Quadrangle. This vehicle is the pride of the Sanitation Section. "Papa" Lou is at present being ably assisted in his rounds by Carl Albers and Joe Perry.

Harold Smith, foreman of the Sanitation Section, has lately been suffering from a novel kind of invasion. It seems that the cold weather has been driving quite a few mice indoors lately. "Smitty" has been kept quite busy manning his mousetraps.

Motor Pool

The office of the Fire Department and Transportation Division is glad to welcome a new member, Mr. James M. O'Brien, who will handle all matters relative to budget control, purchasing of equipment and supplies for all sections of this division. Mr. O'Brien has had extensive experience in this line of work and was formerly employed at Biggs & Cox, N. Y. C. He recently moved to New Suffolk with his family and now commutes to the Lab daily by car. Mr. O'Brien has spent the greater part of his life in the city, but having moved to New Suffolk, finds he enjoys the quiet, peace and solitude as compared to the noise, humdrum and excitement of the city.

Mr. Edward Schwinge, better known as Ed, Radioman of B. N. L., has the reputation of being a cracker-jack radio and sound technician, having spent many years at this type of work, both as a job and a hobby. Ed would rather dicker with sound equipment and radios than any other thing! He is a native of Patchogue and worked

at Camp Upton during the war.

Has everyone noticed the beautiful sparkler on Kay Sluiter's left hand finger! It matches the sparkle in her eyes--Kay became engaged to Bob Merritt in August. Bob was a former B.N.L. chauffeur.

The wedding will take place on Thanksgiving Day.

Personnel

On October 17, 1947, a 6 lb. 10 oz. girl was born to Mr. & Mrs. E. B. Meader--Name--Georgiana Madeira Meader.

On October 25, 1947, the second boy, Bryce Card, arrived for Mr. & Mrs. Lispenard Suydam.

Additions to the Personnel Division are: Edith Hage, Employment; Paula A. Campbell, Employment; Leroy V. Sutter, Employment; Lillian Quinn, Personnel Records; and Regina Brown, Housing.

Physics Department

A one-year course in advanced Quantum Mechanics, under the leadership of Dr. L. Eisenbud of the Theoretical Division, is being sponsored by the Physics Department. The class meets twice a week, and while a fuller explanation of the theory than is common in the University graduate course will be given, students will not receive grades and no educational institution will be requested to give academic credit for the course.

A Physics Journal group has been organized by members of the Physics Department, and will meet every other Tuesday at 3 P.M. Papers from various physics journals, both domestic and foreign, will be discussed at each meeting.

Lorraine Bowditch, one of the original four members of the Physics Department, was married on October 25 to Mr. Victor Kostuk of Eastport, L.I. Miss Bowditch has been with the Laboratory since the middle of November and started when

the Laboratory was in its organizational stages at Columbia University.

Dr. Thomas H. Johnson, chairman of the Physics Department, made a hurried trip to his home in Denmark, Maine, on October 25th, to determine whether his property had suffered as a result of the fires raging in that vicinity. He was fortunate in finding that his house and grounds were untouched.

Publications & Information

Latest additions include Marion Borgstrom, periodicals librarian, formerly with the Acquisitions Division of the Library of Congress; Irene Jelatis, assistant catalog librarian, formerly with MIT; Jane Liscum, who was with the Red Cross; Helen Wisnowski (Mrs. Harry), and June Fowler (Mrs. Donald). Richard Berger, who during the summer was with the Drafting Department of ENL is now keeping the Library open evenings and Saturdays.

Mrs. Marion Maccorkindale has joined the staff as Administrative Aide. Mrs. Maccorkindale was formerly associated with the Radiation Laboratory of the University of California at Berkeley, California, and with the Los Alamos Scientific Laboratory at New Mexico before coming to Upton.

Linnea Gleim, formerly with the Steno Pool and the Security Office, is now with the Classified Library.

Dorothy Wessel of Medford, L. I. has joined the staff of the Editorial and Publications group.

Under the quiet but efficient direction of Miss Annie Gilbert, administrative aide of the Editorial & Publications Group, Bldg. 126 has opened a coffee nook for the benefit of its thirsty employees. Hot coffee served intermittently--in red cups only.

Surprise birthday parties are fun, but Ginny Peters has had her

fill--especially of birthday cake. Due to a slight miscalculation friends celebrated her birthday twice. Her family also sent her a cake all the way from Buffalo. Yield: five cakes. Did someone mention calories?

Housing problems have been solved for quite a number of people in the Division. H.H. Goldsmith has joined the colony of Sayville commuters, and has taken a house on Cleveland Avenue. John Binnington and his family have settled down on Old Barto Road, Brookhaven.

SCIENTISTS FORM ASSOCIATION

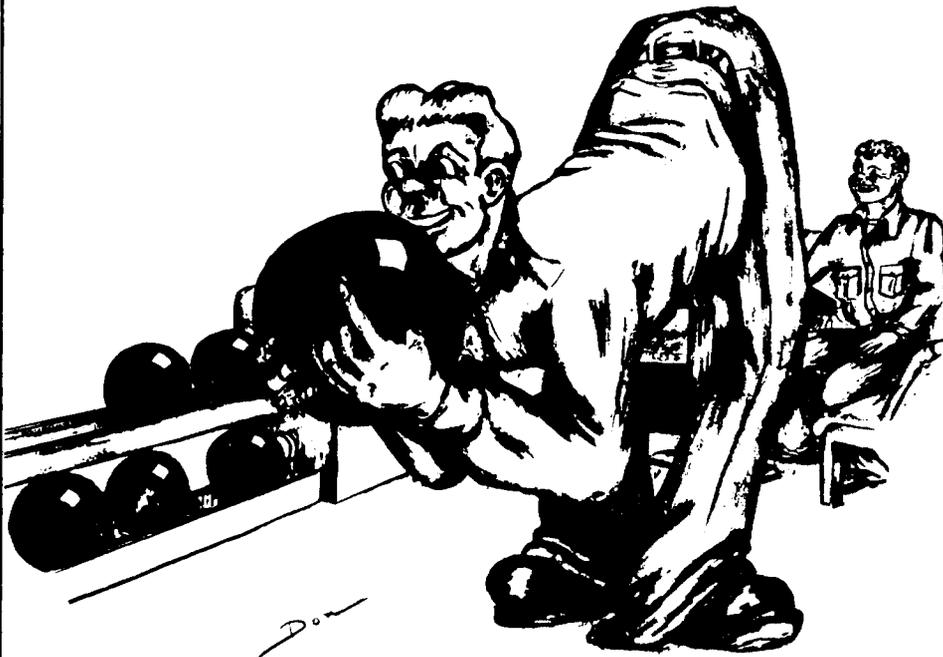
An organization of Laboratory personnel, the Association of Brookhaven Scientists (ABS), has been formed with two general aims. One is to keep its members informed of current developments in national and international affairs which influence the role of science in society. The second is to assist in informing the non-scientific public concerning scientific developments which have important social and political implications.

At a meeting of ABS on October 22, after the adoption of a constitution, Sidney Thompson of the Chemistry Department summarized a recent letter written by Albert Einstein to the United Nations. This letter, which is available in the Research Library in the October issue of the United Nations World, contains the renowned physicist's suggestions for strengthening the United Nations for the achievement of world peace.

Topics discussed at future ABS meetings will include the legislation for a National Science Foundation, the activities of the Atomic Energy Commission in the United Nations, and various proposals for world control of atomic energy.

Membership in the Association is open both to scientists working at BNL and in the vicinity, and to those non-scientists (up to one-third of the full membership) who are interested in the activities of the organization. This provision makes the Association eligible for membership in the Federation of American Scientists (FAS), a national organization representing eighteen to twenty such associations of scientists.

The formation of the Association of Brookhaven Scientists has been under consideration since June. Meetings have been held throughout the summer to organize and define the purposes of such an organization. Temporary officers have been elected to carry on the work of the organization during this formative period and permanent officers are to be elected in November.



A "STRIKING" POSE: A contestant at opening night of BNL bowling alleys as visualized by Don Smith, Motor Pool.

DEBITS VS. CREDITS

by Laurette Waters

A few weeks ago Mrs. Ralph Batie of Bellport, wife of AEC's Safety Engineer, decided to earn a few dollars. She heard the telephone company was in need of help. She immediately called Babylon (telephone charge) and made an appointment for the following day. Her husband didn't use the car that day because she had to drive to Babylon, didn't she? (gasoline and oil).

After a short interview she was selected. She had to return the following day to get new telephone directories (more gasoline and oil). You see she was assigned to deliver new directories and collect old ones.

On her way back from Babylon she drove through Bay Shore where she saw a perfectly stunning slack suit in one of the shop windows. The temptation was great - here she was about to earn some money - why not get it now and save a trip back there. She had it all figured out that she'd be earning \$12.48 per day. Did she buy the suit? Yes, she did.

Lucille was now ready to go to work. She had to have the car, didn't she? (More gasoline and oil). At the end of her second day Lucille came home completely exhausted. What would you good husbands do at a time like this? That's exactly what Ralph did. He took her out to dinner (\$5.00).

During her tour of duty Lucille was given a cute, playful tomcat. To date, he has ripped two pair of nylon curtains (\$10.00). Mrs. Batie is now at home but she says it was fun while it lasted. Her gross income was \$18.78. She's charging it to experience. Ralph is \$31.72 in the red.

L O S T

Black leather case containing knife and forceps.
Blue fountain pen engraved "Merrill Lustgarten"
Silver bracelet engraved "Jeanne"
Horn-rimmed glasses in brown leather case
Car key
Sun glasses
Man's trench coat

F O U N D

2 Silver chains with medals
1 Gold earring
1 Pair of glasses with silver frames
Ladies' pigskin gloves
Tie clasp, initials "CAD"
Keys, various

LABORATORY POLICE GROUP PROFILE

Webster defines security as "a guarantee of safety through adequate protection." Until the United States is sure of a lasting peace, our national safety depends upon the adequate protection of our atomic secrets. Although they have other than military significance, these secrets must remain in the custody of a few. At Brookhaven there are men and women, who, utilizing some of the secret knowledge, may discover aids in the fight against cancer, find ways of applying atomic power to industry, or devise means of stimulating plant growth so that no one need starve.

The huge and often monotonously detailed job of security here at Brookhaven rests on the shoulders of Police Chief, Fred L. Crozier, under the supervision of Frederick H. Williams, Security Officer. Crozier and his Laboratory Police Force of some eighty men, who will soon be seen in handsome new uniforms, have many important duties, so many in fact, that space permits us to list only a few:

Guarding: bank deliveries, payrolls, classified conferences, exhibitions, areas where restricted data is temporarily stored, restricted data in transit, the Post Office, mail runs, (Registered mail from the classified library is kept under constant supervision until it reaches the train), the on-site apartments and all our other buildings.

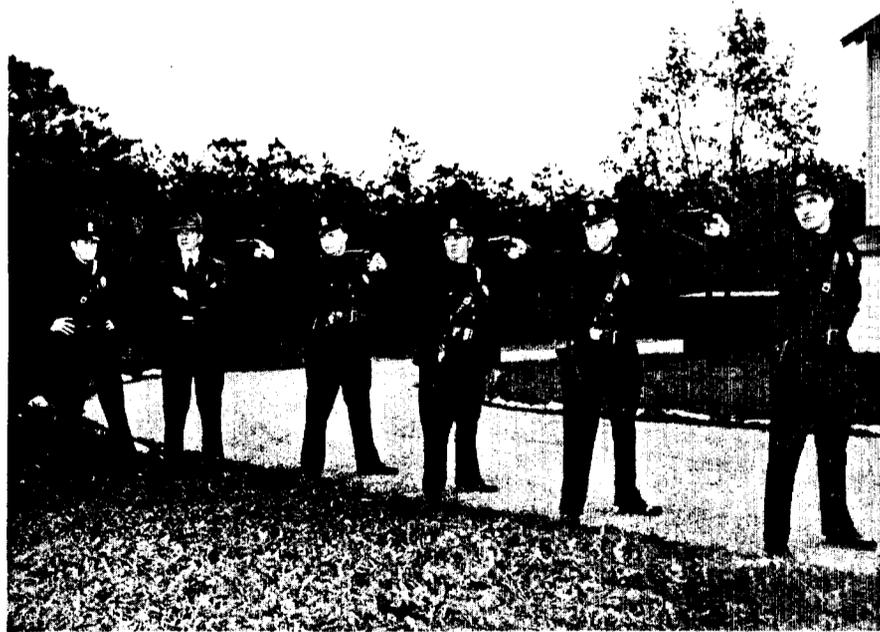
Controlling: north and south

gate traffic, pedestrian traffic on highways, movement of sub-contractor's employees, protection of special buildings day and night. The Nuclear Reactor Building alone requires a minimum of fifteen men for each seven days. The radio patrol of six cars keeps a constant check on the entire area and on buildings not under permanent guard, and must respond to all emergency calls.

In addition to the many responsibilities involved in the protection of certain parts of our knowledge about the behaviour of atoms, the police force is the protector of people in residence at the site. Since Brookhaven is now almost a small city, the Laboratory Police must be ever alert in a continuing search for hazards to public safety.

As if they don't already have enough to do, our police also handle daily requests to find lost articles, and every now and then they are called for such "extra-curricular" duties as taking bees out of eaves.

The Laboratory Police Force is quietly and courteously helping out wherever there is trouble. By the very nature of its work, the more efficient a police force becomes, the less conspicuous it is to the law-abiding citizen. Chief Crozier and his men are performing their duties efficiently and, necessarily, inconspicuously. They deserve the hearty cooperation of all members of the Laboratory staff.



Chief Crozier looks on while Instructor Maccaulay coaches Laboratory patrolmen at target practice. From l. to r., A. Miller, W. Fleischman, A. Lovito and F. Bugala. Instruction in the proper care and use of firearms is only a part of the training given the patrolmen of the Laboratory police group. Actual experience on posts of duty under the guidance of experienced Laboratory police officers forms a major part of their education, in addition to the study of the many rules, regulations and procedures that are in effect at the Laboratory.

STAFF ADDITIONS

Dr. Karl D. Hartzell and Mr. Frederick H. Williams have joined the Director's Staff.

Dr. Hartzell has taught modern European history and government at the Georgia School of Technology and at the State Teachers College at Geneseo, New York. Recently he was engaged by the New York State War Council to prepare for permanent preservation the records of its thirty-two agencies, and of the one hundred eight local War Councils. Subsequently, he completed a volume on "The History of New York State in World War II" which will be published early in 1948.

Dr. Hartzell will serve as an assistant to Dr. Thiesmeyer. He will be concerned with all aspects of the Laboratory's program as analyst, writer and editor, and will initially assist in the preparation of program reports, administrative progress reports, budget presentations and various manuals and in other writing tasks for which the Director's Office is responsible.

Dr. Hartzell graduated from Wesleyan University and received his PhD in History from Harvard University in 1934.

Mr. Williams has been appointed Security Officer of the Laboratory. He attended the University of Pennsylvania, Wayne University and graduated from the University of Michigan, where he studied Sociology, Psychology and Criminology. He was Director of Public Welfare of Midland County, Michigan, and was associated with the Department of Justice, Bureau of Prisons, for four years. He is a graduate of the FBI Training School and the U.S. Naval War College.

Mr. Williams was on active duty with the U.S. Navy for six years and left the service with the rank of Commander.

SHOUP. (continued)

of AUI were the establishment of policies, and the approval of programs. In this connection, he said that policies are decided by the democratic processes of giving everyone interested an opportunity to discuss the subject.

Mr. Shoup stated that in establishing policies, AUI gave full consideration to the general public interest, particularly as expressed in the Atomic Energy Act, and to the interests of cooperating institutions.

In concluding his talk, Mr. Shoup stated that considerable progress had been made in the short period that the Laboratory has been operating, and that there is a teamwork and an intensity of purpose among the staff that points toward real accomplishment.