

HARD LABOR REWARDED will be the lot of these three Sandians who are earning Masters Degrees in Electrical Engineering at the University of New Mexico this June. L to R, Capt. John Crone 5421, Robert Creveling 5414, and Stan Locus 5412.

Graduate Degrees Will Be Awarded To Three Sandians

Three Sandians are receiving Master of Science degrees in Electrical Engineering at the University of New Mexico this June. John L. Crone 5421, Stan Locus 5412 and Robert Creveling 5414 will be awarded their sheepskins at the 1952 commencement exercises.

John Crone attended the University of Maryland, Ohio State University and the Air Force Institute of Technology and has been attending the University of New Mexico evening classes since February, 1951. He is married and has three children and at present is assigned to Sandia Corporation while on duty as a captain with the Air Force.

Bob Creveling received his bachelor of science degree from California Institute of Technology. He also attended Texas A&M and New Mexico School of Mines. Bob and his wife have two daughters, one of whom is a sophomore at the Uni-

Stan Locus attended the University of California where he received his bachelor of science degree in electrical engineering. Stan is married and has one child.

Toastmistress Club Meets with Group From Albuquerque

Turquoise Toastmistress Club held a joint dinner meeting with the Tanoan Club May 21 at the Coronado Club. Virginia Miller, Toastmistress, conducted the program for the evening, a panel type discussion with a travel theme. Speakers for the Tanoan club were Mary Menaul, Gertrude Herring, and Videl Hudder. Mildred Harris and Rita Wineberg spoke for the Base club.

Big Ten Alumni Picnic June 8

Albuquerque alumni of Big Ten schools will join forces Sunday, June 8, and have a picnic in the Sandia Mountains at Doc Long's recreation area. The affair will get underway at 10 a.m. and those attending are asked to bring their own food and water. Various forms of entertainment will be furnished for the youngsters and older participants.

The picnic is sponsored jointly by the alumni groups from Ohio State, Purdue, Indiana and Illinois. Alumni of the other Big Ten schools are invited to attend.

Officers Elected By ISA Members

The Instrument Society of America elected Whitey Hollenback, 1533-4, their new president at a recent meeting. Ted Morse, 1530, was named vicepresident; and Dick Richards, 1282, is treasurer. National Delegate is Bill

At the next meeting of the Society a talk on "Altitude, Temperature and Humidity Applications," will be presented by Mr. Tom Lopiccolo, of Bowser, Inc., manufacturers of low altitude test chambers

The talk will be held at the University of New Mexico, Mitchell Hall,

Safety Director Will Speak at AEC Meeting

A. Burton Metzger, corporation Safety Director, is scheduled to speak at the annual conference of the Atomic Energy Commission to be held at Richland, Wash., May 27

Two separate talks are scheduled. One is on the subject of Explosive Vapors and the other is on Micro-



McKenzie Appointed Head of Sandia's Patent Department

Mr. Donald McKenzie, newly appointed Patent Manager, 210, has been with the Bell System for 32 years. In his post here at Sandia he will supervise the functions and



Mr. McKenzie

personnel of the former Patent Services and Contracts Administrative Division, 1923. Mr. McKenzie will report to Mr. Frank L. Dewey, General Attorney.

In 1920 Mr. McKenzie was employed by the Bell System Research Department. He transferred in 1927 to the Apparatus Development Department of Bell Telephone Labora-

Two years later Mr. McKenzie joined Electrical Research Products, Inc., a wholly owned subsidiary of Bell Lab, as a consulting engineer connected with the development of sound motion pictures. In 1936 he was appointed Director of Engineering, a post he held until 1941 when he went to the Patent Department of Bell Lab.

Mr. McKenzie and his family plan to live in town. He has two sons, 21 and 17 years old.

Sandian Sings With Civic Symphony In Final Concert of 1951-52 Season

"I'm what you would call a semiprofessional singer, I just sing for pleasure and have been singing ever since I can remember," said Ellen Cunningham, 2461-2, when asked about her musical talents.

May 9 in the Albuquerque Civic Symphony concert she was soloist with the Albuquerque Choral Association in Hans Lange's "Hear My Prayer." Ellen has sung with this same group often. For two years she sang soprano roles in the Christmas "Messiah." Last Yule-tide she was one of five soloists to sing Bach's "Magnificat."

She studied voice at the University here where she became a member of Sigma Alpha Iota, honorory musical fraternity. "My best formal training was the four years I studied under Dr. Burton Thatcher who came here from the Chicago Musical College. It gave me a chance to be with my family and friends and still take lessons from one of the best voice instructors.

Ellen says she well remembers her first public appearance. "It was awful! When I was about 16 I began to study voice and a few months later was scheduled for my first recital. Mother was sitting in the audience, very proud of me, and my accompanist played the little introduction. I opened my mouth and I was so frightened that no sound came—not even a squeak. The pianist played the introduction the second time



Ellen Cunningham

and it was no better. The third time I managed to overcome my fear.'

When the Sandia Choristers were organized about two years ago Ellen was one of those who helped and then assisted as director. She was choir leader for four years at one of the downtown churches and she still solos, and has for eight years, at the Temple Albert.

Ellen's husband, F. B. "Sandy" Cunningham, 1311, sings in some of the groups with her.

It's Back to The Gay '90s Tomorrow Night at New Coronado Club Party

The Coronado Club will initiate a new type of party tomorrow night when the pages of time are turned back to the carefree days of the Gay 90's. Besides an evening of dancing the party will feature a hilarious old time show complete with handle bar moustaches and bustles

"The entire cast will be in costume and those who want to join in the fun and dress up in Gay 90's style are more than welcome to do so," says Terry Riggin, 1243, party chairman.

In true honky-tonk fashion the show will feature singing waiters, a traditional hiss-the-villain melodrama, solos by Jacque Quinn, 1810, the Sandia Songstress; an accordion troubadour, dance routines with comely lasses and finally a stupendous surprise act which has been undergoing secret rehearsals for

Music for the occasion will be provided by an eight piece orchestra led by Happy Andrews.

Hal Gunn, 4222, will preside over the entertainment in his role as master of ceremonies, headwaiter, and bouncer. The Sandialeers Glee Club will act as singing waiters and Lew Walrath, 2452, is directing the melodrama.

The men behind the curtains are Ted Anderson, 3221, entertainment chairman; Ed Shorr, 1216, costumes; Larry Neibel, 1541, music; Frank Gagliardi, 1243, reservations; and Hank Harding, 3151, table arrangements.

The party will be free to members and fifty cents for guests.

"The Great A-Bomb Robbery"

by Bob Considine (International News Service Correspondent) World Copyright, 1951, by International News Service

This series of articles is reprinted in the Sandia Bulletin by special permission of International News Service. This is the first of 11 articles.

This is the story - as it never has been possible to tell it before - of how Russia stole the secrets of the atomic bomb and of the shadowy men and women who successfully engineered the most astounding international theft of all

The author - famed writerreporter-columnist Bob Considine, devoted months of research gathering the facts. He talked with Scotland Yard men and atomic experts in England. He interviewed dozens of security officials, scientists and others in this country. He obtained access to information never before published. And he weaves it all into the fantastic, but true, story that begins here.

During the tense and costly years



INS Reporter Bob Considine tells in this copyrighted story the details of this great cloak and dagger mystery where . . .

when the United States, Britain and Canada were engaged in the creation of the atomic bomb, no known effort was made by any of the bomb's intended victims - Italy, Germany and Japan - to steal its devastating formula and beat the allies to the

The grimly-guarded secrets of the bomb were stolen, however, by an ostensible ally-Russia-in the most daring, economical and sinister cloak-and-dagger conspiracy in his-

This and subsequent articles will attempt to place in proper perspective the men and women who participated in that spying coup and the methods by which these inconspicuous and often highly-educated and otherwise moral spies achieved their shocking goal.

They turned the world into two armed and fear-laced camps. They caused to be levied on nations still tottering from the costs of World War II the bankrupting burden of preparing for A-War I.

Justice Prevailed

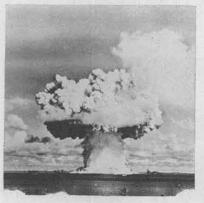
They are responsible, at least in part, for the heavy taxes which burden you, rising costs and public debts which will reach well into the 21st century.

Justice has landed heavily upon those who have been apprehended. But their deed is done and its excruciating success is measured by recurrent tests of the Soviet A-Bomb.

For a time in the annals of science it seemed the destiny of the axis to create the A-bomb. But political and racial persecution boomeranged in the faces of Mussoiini and Hitler, providentially depriving them of the

While teaching at the Universities of Florence and Rome between 1934

The Thrilling Story of History's Greatest Threat—and Soviet Treachery



. Soviet Russia stole from United States the secrets of the A-Bomb and brought to the world the threat of a new war.

and 1938, Dr. Enrico Fermi, now of the University of Chicago, came perilously close to discovering that the uranium atom could be split and potentially produce undreamed of power. It is a popular tale in the realm of nuclear physics that an ill-placed bit of lead foil deprived Fermi of an even greater place in science than he now holds.

It can be reasoned, too, that the same bit of foil foiled Mussolini. For Fermi might well have been forced to divulge his discovery for

the "good" of the state. Fortunately, the distinguished Italian scientist fled Italy when it appeared he might be arrested for his anti-fascist view. His work with the U.S. bomb was tremendous.

German Research

Late in 1938 Dr. Lise Meitner, working with the great German physicists Hahn and Strassman at the Kaiser Wilhelm Institute in Berlin, made the startling observation that uranium bombarded by the submicroscopic emissions of radium was partly transmuted into two elements of approximately half the atomic weight of uranium - krypton and barium.

It was the most astonishing discovery of the age, for in one stroke it rendered obsolete every book on physics written since the time of the early Greeks . . . whose men of wisdom first decreed that the atom was indivisable. Plainly, Dr. Meitner had broken atoms and she sensed that she had opened the door to a world of explosive energy too overwhelming to comprehend adequately.

Nazi Persecution

But, before Dr. Meitner had an opportunity to relay her earthshaking findings to her superiors at (Continued on Page 3)



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A Startling Story Is Told

Today's critical world situation, according to a well-known reporter, has been greatly worsened by a pattern of intrigue which took place in New York, Santa Fe, Albuquerque and several other cities during World War II. It was at that time vital atom bomb secrets were stolen from United States not by one of our enemies, Germany or Japan, but by an ostensible ally, Russia.

Bob Considine, an International News Service writer, has told the story of this theft under the title "The Great A-Bomb Robbery", which begins in this issue of the Bulletin. The story is as fascinating "cloak and dagger" thriller as you have ever read. There is no fiction in the tale.

It deals only with facts.

The story told by Reporter Considine is not only an entertainment piece. If it gives you food for serious thought it is accomplishing a mission. If it frightens you a little bit, a lesson is being learned. If you are amazed and horrified that such closely guarded secrets could be stolen so easily and economically you see what a formidable task exists today in protecting our country's interests.

This series of articles will tell the stories of many people but the names of Dr. Klaus Fuchs, Harry Gold, Sgt. David Greenglass, and Julius and Ethel Rosenberg will stay in your mind as the arch conspirators in this

Secrets can be lost as easily through carelessness as they can through conniving. Perhaps a better title for this editorial would be "It Must Not Happen Here.

Long, Tedious Job Made Simple by Ingenuity, Skill of Sandia Employee

ton, 2413, found himself faced with the job of tapping about 2000 holes in aluminum parts. This meant taking a small gadget called a tap and twisting it into and out of an already-drilled hole in order to make screw threads.

"It takes about a minute to tap a hole by hand," says Carl, "and since you're actually cutting the threads out of metal it tires your hand out pretty fast.

"The more I thought about those 2000 holes the more I thought there must be an easier way to do it. First I tried fitting the tap in a drill press. That worked fine going through the hole, but to get it out I had to release the tap and twist it

out by hand." Carl has a mechanical ingenuity born of years repairing farm machinery in his home town Roy, N.M., and when the drill press idea failed it wasn't long before he thought of adapting a portable power screw

driver to tapping work. "I started off by taking a tap and American progress.

A couple of weeks ago Carl Bur- fitting it into the end of one of the screw drivers that in turn went into the power machine. That was fine. The tap cut into the metal like it was cheese and then all I had to do was press a button and it reversed and came right out again.

> "The trouble, I soon found out, was that taps come in different sizes to fit different holes and this way I couldn't switch taps. Finally I designed a gadget that would fit the power screw driver and at the same time adapt to any size tap.'

> The final adaptation is amazingly successful. It's easier, faster and more economical. There are no aching arms from twisting a stubborn tap any more, Carl taps 15 holes now in the time it took him to do one before, and he tapped all 2000 holes with the same tap whereas he would have broken many taps doing the same job by hand.

Where there's a will, they say, there's a way, and that about sums up men like Carl Burton—and



TAPPING IS EASY now that Carl Burton has designed an improvement that can be adapted to a power screw driver. The inset shows the new tapping tool he designed and the picture shows how it is used with a power machine on a heavy piece of aluminum. Screwed in the metal above it is the now old-fashioned hand tap.

AROUND THE DEPARTMENTS

Norma Combs, AEC, is combining vacationing and visiting. She is in Tulsa to see her mother.

Three of the girls in AEC vacationed in Las Vegas, Nev., last week. Betty Shaw, Lois Chilton and Betty Phelps who also reported sightseeing in Boulder City.

Fishing and resting at Eagle Nest were enjoyed by Phyllis Kallinowski, AEC, her husband and Betty Jean Lister, AEC, last week end.

Everyone is hoping to see D. B. Miller, 2350, back at his desk before long. At present he is at home ill.

Bill Simpson, 2351, and his wife were among those who attended a Musicale at the home of Senator and Mrs. Clinton Anderson May 11.

Ted Perlman, 1232-1, is passing out cigars and candy to announce the birth of a brand new daughter. Seven-pound Janine arrived at 4 a.m. on May 12. Congratulations,

A visit with friends and relatives recently took J. B. McCullor, 1232, to Ardmore, Okla.

Department 3230 personnel has moved from bldg. 834 to 813. They are about settled in their new location and everyone seems very pleased with the change.

At home on the base now are Ken Sutton, 3231, and his family. The new address is 3238-D on "A" St.

He finally finished his patio, reports Sid Gasser, 3231. For quite some time Sid was asking for volunteers around the office to come to his "cement party."

Milton J. Lew, 2235, is a proud new papa. His son, Steven Gary, arrived May 3 weighing 6 pounds.

Several Sandians were among the group of former students at the University of Illinois who helped form an Albuquerque Alumni chapter May 14. Officers were elected and plans were started to enlarge the chapter. Sandians who are interested in joining may contact Ray Delicath, ext.

J. K. Merillat, 1921, and wife and two children have been vacationing in the old home town of Topeka, Kans,

Capt. John Crone, 5421, and Stan Locus, 5412, who have been doing graduate work at the University of New Mexico, have been made members of Phi Kappa Phi, honorary scholastic society.

The personnel of 2351 celebrated the birthdays of the month on May 12. Lamar Treadwell, Gordon Marney and Oliver Ash were honored.

Fellow workers are hoping to see Ruth Acher, 2352, back on the job before long. At present she is recuperating at home after a minor operation at the Veterans Hospital on

Alfredo Montoya, 2352, and his family are enjoying a two-week vacation in Mexico City.

Packing, moving and then unpacking is keeping Bob Kronberger, 2351, and his wife busy. They are moving into their new home at 3039 N.

After one year of patient waiting Helen Sanchez, 2416, has finally attained her greatest desire - a brand new '52 Chevrolet. It's a special color too! A snappy metallic green. Helen has promised everyone in the office a ride one of these days soon.

Harry Shultz, 4135, has moved into his new home and now joins in with the moans and groans about dust, fuss and taxes.

Visiting her mom and dad took Lillian Kraus, 2461-3, to Bellflower, Calif., for a week's vacation.

A little home decorating by means of wielding a paintbrush is on the vacation agenda for Bill Meyers,

Congratulations to Camille Rudeau, 2231, on the May 2 arrival of Lewis Alexander. Lewis tipped the scales at 5 pounds 1 ounce.

Herman Calvery, 2231, was a surprised and pleased man on May 10. One of his fellow workers baked him a birthday cake and the whole office had cake and coffee during rest

Robert Finley, 2230, and his wife are vacationing in Aurora, Ill. They plan to visit relatives and renew old friendships.

House repairs are keeping Fermin Vallejos, 2234, busy during his vaca-

The welcome mat in 5411 is our for Frances Tennessen. Frances recently transferred from 1810.

A trip to see his sister in Inyokern, Calif., took H. H. Patterson, 5411, to the orange blossom state

Vacation time recently took F. R. Grosvenor, 5412, to Florida and his old home state of Michigan.

Bradley R. Morgan is the latest addition to the household of Paul R. Morgan, 2335-2, as of April 19. Congratulations Paul!

Virginia Southerland, 2464-1, visited friends and relatives during her recent vacation. She reports having a wonderful time sightseeing in Los Angeles, Las Vegas and Salt Lake City.

Vacation plans for Ellen Cunningham, 2461-2, include relaxing in her new home and catching up on some of the things she has been planning to do around the house.

Just returned from Hartford, Conn., is A. L. Middleton, 5415. He represented New Mexico, Texas and Oklahoma as Director of the West Coast Division at the annual directors' meeting of the American Radio Relay League.

Ted Sherwin, 3125, and family are in the midst of a vacation which is taking them to their old home in Wyoming.

Pat White, AEC, is in Denver attending a meeting of the Federal Agencies Inter-departmental Motor Equipment Conference.

If you can't find Fred Callahan, 2235, when you stop by to see him at his new home on Milton Court, chances are that he's in the back working on his new lawn.

Personnel in 1921-2 and 1922-2 were entertained at an open house by Bill Scott, 1922-2, on the evening of May 9. Bill has just moved into his new home at 6012 E. Hannett. Everyone reports having a wonderful time.

The recent birthday of Jessie Greenwall, AEC, was celebrated in a big way. Three different groups gave her a surprise party, complete with cake.

Organization 4135 is proud of Bernice Armour who was recently elected president of Beta Sigma Phi. Bernice, Marvee McPhee, 2122, Eileen Poindexter, 2122, and Hazel Vance, 5241, attended the sorority's State Convention in Carlsbad May 17 and 18.

Charles Ross, Sr., 2232, was visited by his Army son recently prior to the boy's going overseas.

Returning from a trip to Brinkley, Ark., and Kansas City, Mo., are R. C. Clifton, 2221, his wife and two children.

Princess of Alpha Psi chapter of Beta Sigma Phi is a new title and honor for Allene Poindexter, 2221-1. She will represent the group at the Yellow and Rose Ball at the Hilton Hotel, May 24.

Civic-minded Bob Brook, 2221-2, is serving as umpire for several city teen-age baseball and softball

Returning recently from a trip to Farmington is Bob Islas, 2461-3. Bob visited his parents.

Combining the State Mail Carriers Convention and a visit with her parents, Dora Zamora, 2461-3, and her husband vacationed in Las Vegas, N.M., May 16 to 18.

The girls in 2461-3 had a farewell chicken dinner May 15 for Mary Jean Manning and Norma Jean Quirin. Both honorees were presented gifts.

Eleanor McPhate, 4131, is home from the hospital and it shouldn't be long until she's back on the

Everyone in 4130 wishes Helen Swanson a "bon voyage." Helen's destination is Germany.

"It wasn't actually work, it was a pleasure," says Silvero Lujan, 2232, of his recent vacation. Silvero spent the entire time working on his new

Co-workers of Al Vinsant, 2232, are anxious to see some of his prize catch when he returns from his Arkansas vacation. Before he left Al announced that he planned to do nothing but fish and loaf.

Vacation time should be profitable for Adolfo Sanchez, 2232. He plans to begin work on a new home in the west part of town.

There's a new Ford owner in 2232. Ora Nairn plans to motor to Kansas to break in the new auto.

Byron Stewart and James Coleman and family, both of 2232, report having a grand time on their recent fishing trip to Elephant Butte.

Congratulations to the new grandmothers in 1920. Frances Odle, 1922-2, announced the arrival of a grandson, Lynn Loson Petersen, Apr. 25. Dolly Willis, 1921-2, has a new grandson, Michael Lorenz Willis, born May 3. His father is Guy Willis, formerly of 1600, now on duty with the Navy at Sandia Base.

Bob Blount, 1921-2, spent the Mother's Day week end with his mother in Artesia.

Congratulations to Bill Galloway, 2532, on the Apr. 20 arrival of a son. John Carleton Galloway II weighed in at 9 pounds 111/2 ounces.

L. J. Biskner, 2530, is the proud owner of a new Studebaker Commander Starlite.

Ben Kirkpatrick, 1241, took his family on a trip to the Carlsbad Caverns recently. Everyone had an enjoyable time, although Ben brought back a cold.

Dick Parkison, 1241, was sick for several days. Glad he made such a speedy recovery.

"Painting, puttering and just relaxing," reports J. H. Simmons, 2412, when asked what he did on his recent vacation.

George Armijo, 2423-2, is in Raton visiting relatives during his two weeks' vacation.

8th April, 1952. Dear Lany The Queen commands me to write and thank you for your kind letter. Her Majesty was deeply LETTER FROM A QUEEN is touched by your thought for

Remote Control Television Camera To Be Demonstrated At AIEE Meeting

A complete television camera setup connected to remote viewing stations will be in operation for a demonstration to be sponsored by the Northern New Mexico Section of the American Institute of Electrical Engineers on Monday night. The demonstration will be held in the Hospitality Room of the Southern Union Gas Company, 723 West Silver Ave., at 7:30 p.m.

her in her sorrow.

Master Larry Evans.

Yours sincerely,

Fran phimile

Lady-in-Waiting.

The General Precision Laboratories are presenting the demonstration. More than two truck loads of the latest equipment used in conventional telecasting and in wired television will be included.

read by Patti Evans, 4222 (1230),

and her son, Larry. Larry, a stu-

dent at Whittier school in Albu-

querque, wrote to Queen Elizabeth

of England expressing his sympathy

at the death of her father.

The camera and viewer used in this demonstration are unique in that the camera is wired to the television set and controls on the set operate the camera remotely. A person watching a screen on the viewer can change the focus in the camera a distance away or cause it to move from side to side or up and

The demonstration is open to the

Speaking of Reporters

This is another in a series of personality sketches telling of the Sandia Bulletin reporters who write news of you and your co-workers.

The life of an Army wife is never monotonous and if you doubt that go talk to Mary Helen Sharkey, 2230. Mary Helen has been married to an Army man for 12 years and during that time she's traveled the length and breadth of the land and held jobs ranging from secretary to telephone operator.

She met and married John Sharkey just before the war started and for a year while he was in North Africa Mary Helen worked in a Boston defense plant on the assembly line.

John was wounded, sent home and reassigned to a base in Florida. There for a short time Mary Helen worked in a year round resort near Talahassee acting as a combination secretary and bookkeeper.

The next move was back to Boston where Mary Helen became a Western Union telephone operator. Seven months later John was transferred to Los Alamos and Mary Helen went with him to take a post as secretary with a contracting firm there.

In 1949, a master sergeant by now, John was transferred to Kirtland Air Force Base and that's when Marv Helen came to work with us.

Early last year she began reporting for the Bulletin and since then she's



Mary Helen Sharkey

faithfully contributed news of her department to every issue.

"It's a lot of fun," Mary Helen says. The only time I ever did anything like this was when I was a sportswriter for my high school newspaper in Watertown, Mass."

Besides working at Sandia Mary Helen keeps house and takes care of their 7-year-old son. Her hobbies? "I like to read mystery stories," she says, "that is, when I'm not dancing."

(Continued from Page 1)

The Great A-Bomb Robbery"

Germany Had Given Up in Atomic Race— Considine Reports

the nazi-dominated institute, she learned that Heinrich Himmler's exclusion act would force her to leave Germany because she was partly Jewish. She took the discovery out with her, starting the human chain reaction which reached fruition in the U.S.

The men she left behind her, one of whom (Otto Hahn) won the Nobel Prize in chemistry for enlargements on her work, toiled only sporadically at the creation of Abomb - though for a time this country considered itself in a desperate race to beat Hitler to history's most devastating explosive.

By the time our evaluation teams were able to probe Germany's atomic energy program, before V-E Day, they learned that German scientists were so skeptical about the possibility of an A-Bomb that they had directed much of their study to the release of atomic energy for industrial purposes.

To understand the enormity of the eventual robbery of the bomb secrets by agents of the USSR one should first understand the tremendous wall of security we placed around our bomb-building activities.

Mails Not Trusted

To begin, the little group of scientists who knew an atomic bomb was possible would not even trust the U.S. mail to deliver the historic letter from Prof. Albert Einstein to President Roosevelt, the springboard of the \$2 billion Manhattan project which produced the bomb. The letter, instead, was carried by hand by Alexander Sachs, and several tense months were lost while he waited to gain admission to Roosevelt's office.

After the Army entered the picture it set up, under Gen. Leslie R. Groves, a 250-man security force unique in our annals. That it was in time punctured, notably by Dr. Klaus Fuchs and Harry Gold - now serving 14 and 30-year prison sentences, respectively — does not de-tract from the cloak - and - dagger drama of its activities.

It protected and was the "keeper" of top scientists attached to the project (most of whom had code names). It operated in a realm of espionage and counter-espionage well above the reach of the F.B.I. whose agents it would not permit near certain installations

Super-Security Practiced

It censored or stopped mail of MED (Manhattan Engineering District) employees. It had men in Switzerland and Sweden not averse to kidnapping German physicists who ventured there for lectures. Or shooting them.

It built what amounted to a private insane asylum for a naval officer who became a psychiatric case after absorbing too much valuable information at Oak Ridge. It feared that if he were placed in a regular asylum he might talk. It maintained an agent as a bartender at the La Fonda Hotel, Santa Fe, N.M., frequented by scientists and technicians attached to super-secret Los Alamos laboratory, where the bomb was assembled.

It instructed chief librarians in public libraries of large cities to get the name and address of any person who sought information about nuclear energy or asked to see a Saturday Evening Post article written about 1940 by William L. Laurence of the New York Times envisioning an atomic bomb.

Under Groves' system of "compartmentalization" most of the scientists on the project were permitted to know what the man on the left or right was doing, but not the men beyond that. Some top scientists, including Fuchs, to his indignation, were barred from visiting installations aside from the one in which they worked.

Firemen Excluded

Fuchs was specifically barred when he requested an assignment at or a visit to the Hanford (Wash.) plutonium plant. Harry S. Truman,

when head of the powerful Senate War Investigation Committee, was not permitted to enter the Hanford plant and is said to have been told flippantly by a guard that the plant was making bubblegum.

Firemen who responded to a fire inside the gates at Oak Ridge were denied admission, because they lacked credentials. The building burned to the ground. The Mayor of Cambridge, Mass., was investigated because he said, at a dinner party where Dr. James Bryant Conant was a guest, that the U.S. was making a powerful new explosive in Tennessee and shipping it to the Pacific by way of San Francisco. (Turned out, after Conant reported him to Groves, that he had in mind RDX - a putty-like extra high explosive.)

Security Leaks Feared

One day at the Pentagon a corporal who worked at Oak Ridge demanded to see Groves. He was admitted and then blurted:

"I want to make a complaint against the Army's handling of Oak Ridge. I have enough scientific background to know we're attempting to make an atomic bomb, and . . .

Groves nodded to an aide, invited the corporal to sit down and chatted with him for half an hour-just long enough to enable an aide to photostat all the papers in the briefcase the corporal left in the outer office. Groves was urged to send the corporal into a combat group, but he refused for fear that he might be captured.

On Aug. 21, 1944, nearly a year before the first atomic bomb in history was tested successfully at Alamogordo, N.M., Arthur Hale, the radio commentator, broke a story about it - written for him by a conscientious objector leg-man who knew a man at Illinois Tech whose roommate worked on the project and had spilled the beans. The "conchy' thought the broadcast might make Hitler quit.

Commentator Scored

The broadcast was heard by a G-2 officer, who immediately phoned Groves, who ordered that all associated with the program be brought before him. Hale was taken severely to task by Groves, and then ordered to return to the air as if nothing had happened. Groves did not wish Hale's many listeners to wonder why he had stopped broadcasting after mentioning something called an atomic bomb.

In the fall of 1944, war bond officials invited Dr. Frederic Joliot-Curie, co-winner of the 1935 Nobel prize in chemistry for his work in the artificial production of radioactive substances, to fly to New York to speak at a sales rally.

MED's security office assigned Col. Tony Calvert to intercept him. Calvert moved in on him at the Dorchester Hotel in London and stalled him-on the excuse that bad weather had grounded planes out of Prestwick-until he missed the speaking date. Part of the stalling process included placating the Frenchman with a suit and a camel-hair coat.

Joliot-Curie, a communist sympathizer, had been the only topnotch atomic scientist who refused to stop publishing scientific papers during the war. MED blocked him because it felt he would certainly meet with friends in our own advanced atomic research program in the U.S. and take back what he learned to Paris, and then to Moscow.

Dreamer Watched

A woman who telephoned Dr. Arthur H. Compton at the University of Chicago's Argonne Forest Laboratory long before the first bomb was detonated, to tell him she had dreamed we made "an atomic bomb that destroyed Berlin," was immediately visited by Capt. Jim Murray, a MED man, who talked her out of writing her dream to the Chicago Tribune and other papers. Capt. Murray gave her his private phone number and extracted her promise that she would call only him if she had other dreams about some preposterous thing called an atomic bomb.

Many of the scientists attached to

the Manhattan project were of draft age. MED could not get them exempted because it could not tell draft boards the reason. It would permit them to be drafted, go through basic training, then have the army reassign them to their old work. Many rebelled against the vast pay reductions.

Prof. Clarence Hiskey, working on the project, aroused the suspicions of MED's security unit. It was strictly against Gen. Groves' practice to allow the kind of A-Bomb hearings or "tell-all" trials that followed in the wake of V-J day. An aide discovered that Hiskey-now comfortably on the faculty of Brooklyn Poly-had an ROTC background. He was peremptorily called into service and banished first to a quartermaster unit on the Canol project in the Western Canadian wilds and later to a Pacific area by-passed by the war.

Scientist Drafted

Another suspected scientist, after being drafted, was held over in training camp for five consecutive "basics." He became America's besttrained and least-used G.I. Nobel prize winner Niels Bohr (1935, for physics), the scientist who brought Lise Meitner's revelation to this country, and later was spirited out of nazi clutches in the bomb-bay of an RAF 'Mosquito," wrote a comprehensive paper on the still-unrevealed bomb and gave it to his friend Supreme Court Justice Felix Frankfurter, MED sternly demanded that Frankfurter surrender it, which he did, and returned it to him after the war.

In all, about 750 agents (500 of them FBI) worked in or on the environs of the A-Bomb project, which employed 225,000 directly and another 600,000 indirectly. But they were defeated by forces beyond their control or by forces too innocentlooking to arouse suspicion. It was (and remains) the costliest defeat in the history of the Republic and of free men.

(Next Issue: Russia learns of our A-Bomb efforts.)

Tool Engineers To Hear Talk On Modern Steels

"Modern Steels and Their Uses," will be the topic of a lecture to be presented at the American Society of Tool Engineers' final meeting of the season. Time and place of the meeting will be announced at a later date.

The speaker, Mr. T. O'Neil, West Coast manager of the Carpenter Steel Co., will conduct a discussion period following the lecture and he will be available for questions on problems pertaining to steel.

What's My Line?



Less than 200 years ago this man would probably have been burned at the stake as a sorcerer if he performed just once what he does every day here at Sandia. Even to our modern eyes his work has a quality of "magic" about it. His job requires him to be on his feet most of the time and it also requires a certain knowledge of chemistry and delicate instruments. While he is a competent technician it can truly be said that he is in the dark about his work much of the time. (The answer is on page 6.)

Husband And Wife Team Up to Teach Themselves A Hobby Which Is Centuries Old But Still Unusual to Americans

It sounds almost like Utopia. Here is a man and wife who not only make some of their own clothing but they weave the material which goes into it.

Max Linn, 1810, and his wife, Jackie, started out in search of a hobby and chose home-made furniture. When they came to the problem of upholstery material they decided to make their own. Today the furniture making has been delegated to a position of lesser importance and the weaving has become an engrossing and profitable pastime.

The Linns are unassuming in their unusual hobby and take their accomplishments much as a matter of course, but a look at the material they have made is a pretty good indication of their skill.

Use Two Looms

A room in the Linn home is devoted to the weaving hobby. They have two looms and other equipment for winding yarns onto the shuttles and even a pint-sized loom which they use to make samples of the big product before they tie up the larger looms.

The wool comes in the same form as does knitting wool and it is easily handled and stored until ready for use. The Linns keep a good-sized supply of the material on hand and usually have some work on the looms or just about ready to start.

It was about three years ago when they became seriously interested in the hobby. The first few pieces of material they made were used in clothing for themselves. Later they sold the material by the yard to acquaintances and friends and now find that they have the best luck weaving the material and then making it into coats, jackets, suits or other garments. Jackie is the tailor for the finished product even though she seldom tried her hand at it before they started their hobby of weaving. However, the completed garments testify to her skill.

Taught Themselves

"There's nothing new about the way we do our work," Max explains, "we work the same way they did in the year 1200 only our looms are better." They work at their "jobs" whenever the notion strikes them and apparently that is quite often for several beautiful pieces of material are in the loom room most of the time,

It's fascinating to hear the Linns

More-

Around the Departments

Fellow workers are hoping to see Ora Brooks, 4135, back on the job before long. Everyone was sure she had the mumps but it turned out to be an infected ear.

Two of the personnel on vacation from 4135 are Bernice Andrews and Lou Dowd. Bernice went to Chicago and Lou visited Melba Beach, Calif.



AWARD OF HONOR presented to Sandia Corporation by the National Safety Council is displayed in the lobby of Bldg. 800 and will be on display throughout the Technical Area the next few months. The award was made in recognition of the company's exceptional safety record for 1951.



THE WEAVING ROOM at the Linn home is a busy place when Max and his wife Jackie concentrate on their hobby. Max wears a jacket which he and his wife made and over Jackie's arm and in the background are more materials which are the products of their looms.

tell of their hobby and how they read a few books to learn the art. "There were no special teachers," they say, "we learned by trial and error."

And the looms have a fascination about them too. It's a pleasure to touch their smooth finish and secretly wish you could run off a new sport jacket or maybe a tweed suit for your wife.

Max and his wife report that furniture movers too hold the looms in a sort of reverence. "They treated them like they were fragile china," the Linns said, "and were quite proud that not a scratch has appeared on them in moving. What's Happening at the . . .

Coronado Club

Tomorrow night the Coronado Club will be turned into a combination of old time vaudeville and honky-tonk for the gala Gay 90's party. There will be a big show reminiscent of the dear-old-daysgone-by performed in full costume. And if you want to dig into that old trunk and dust off Daddy's duds or Mama's millinery—go right ahead, get into the spirit of the Gay 90's.

Next Tuesday night the wives will have to plan an evening at home because it will be Men's Night at the Coronado Club. Besides free beer and sandwiches an informal talk will be given on "Places to See in New Mexico." The speaker will be Frank Stuart of Bowman's Travel Agency in Albuquerque.

Following the talk a sound movie will be shown entitled, "Travel in Time." It's a TWA travelogue dealing with the Mediterranean area. It's all free to members and 50 cents for guests. The time? From 8 p. m. 'til?

Know Your Bridge

Starting Monday night, special lessons in bridge will be given at the Club by Mrs. Della Hampton, for years an experienced bridge teacher. Knowing how to play bridge comes right next to knowing how to spell in this modern world of ours so you'd better get right down there on Monday night.

Mrs. Hampton will lecture for one hour, from 8 to 9 p. m. and from 9 to 10 p. m. there will be supervised play. The game is Culbertson bridge, the instruction is free. Don't miss it.

The fifth of June is duplicate bridge night again. Everyone donates 25 cents and then battles it out for a series of cash prizes. Play starts at 7:45 and lasts until 10:30 p. m.



MR. AND MRS. RAY ARVID-SON were honored at a reception in La Caña Room of the Coronado Club recently after their wedding in the Sandia Base Chapel. Ray is in 1521-1 and his wife, the former Ruth Braun, works in 3170.

Magicians to Plan Show for Public

An executive meeting of the Magicians Club will be held tonight at the home of Al Spengeman, 4150, secretary. The club officers will discuss plans for a public show tentatively scheduled for this fall.

The next regular meeting of the club will be held at the Franciscan Hotel, June 6, 8 p. m. Club president, Charles Dodson, 210, has urged those interested in joining the club to contact Dr. C. N. Hickman, 1400, membership chairman, at ext. 27131.

Engagements

The engagement of Joan M. Armijo, 2224, to Sgt. Gerald F. Goodman has been announced. A July wedding is being planned followed by a honeymoon in Canada. Joan is an Albuquerque girl and Gerald, now stationed at Kirtland Base, is from New York and Montreal, Canada.



Miss Armijo

Miss Carrillo

Plans for a wedding in the near future are being made by Lucy Carrillo, 2536, and Chris Quintana. Lucy and Chris are both from Albuquerque. She attended Albuquerque high school and he is a graduate of St. Mary's. Chris recently received his discharge from the Air Force.

Sandia PTA Slates Festival for Monday

The annual May Festival of the Sandia PTA will be held next Monday at 5:30 p. m. on the lawn of the Sandia Base School. Virg Harris, 5213, vice president, has been working on arrangements with the teachers, mothers, and PTA executive board to make the Festival "the gala affair of the current school year."

Featured events will be father versus son foot races and ball games plus free movies for the children. The movies will begin about sundown in the school gymnasium.

Plans for an extensive summer recreational program for the children will be announced at the party, according to Virg. Parents of pre-school children have been invited to take this opportunity to get acquainted with teachers and officers.

Refreshments including hot dogs, relishes, cold drinks and coffee will be furnished by the PTA. Mrs. Gwen Dickson, food committee chairman says there will be plenty of food for all, but if anyone runs out the school principal, Leonard DeLayo, will personally buy their dinner.

PROMOTIONS

HOWARD J. SMYTH, Jr., has been promoted to Division supervisor of 2461. He is a



of 2461. He is a veteran of three years service in the Navy and upon discharge he completed his studies at Boston University where he received a B.S. in education. Howie spent a

year at Haverhill high school, Mass., as social studies teacher and athletic coach and for three years prior to joining us he was social studies department head and athletic coach with the New Milford, N. J., public school system.

JAMES H. HOCKETT was recently appointed section supervisor of

2464-2. He came to the Laboratory in early 1951 after working for almost a year as accounts manager of General Motors Acceptance Co. in Albuquerque. Jim served for two years



JAMES L. HODGES is the new supervisor of section 2416-2. He came

He also studied business administra-



to us in 1949 with 13 years experience in contracting and carpentering work. Jim spent two years as shop foreman for woodworking firms in Carthage, Mo.; a year in carpentering for

Civil Service on Sandia Base; three years as a private contractor; four years as paint shop sub-foreman for Northrup Aircraft Corp.; a year and a half with Douglas Aircraft; five years in fixture shops; three years in the Army; and two years in general carpentering work.

L. F. EARLAN KOEHLER was recently promoted to supervisor of sec-



tion 2416-3. He joined us early last year with nine years contracting experience including two years as construction supervisor for a local contracting firm prior to coming

to Sandia. Earlan has also at different times owned a 2,480 acre cattle ranch and a summer resort both in Texas for a total of seven years. For two years he was chief building inspector with the Army Engineer Corps. He studied architecture at Rice Institute.

ERNEST C. PETERSON has been named section supervisor of 2512-1.

He joined Sandia in 1950 after four years with Western Electric Company, Inc., in Lincoln, Neb., where he worked in personnel employment and placement. For half a year before that



Ernie was in employee interviewing with Nebraska State Employment Service. He is a veteran of four years service in the Army and he has a B. S. in mathematics from the University of Nebraska.

BEULAH SUTHERLAND is the newly appointed section supervisor of 5243-3. She came



to the Laboratory in 1948. Previously Beulah spent four years at the University of New Mexico and the New Mexico School of Mines as a technical analyst. She holds

a B. S. degree in psychology from the University of New Mexico.

EDITH B. PERRY has been promoted to section supervisor of 2464-1.



Before joining us last year she was managing editor of a New Mexico newspaper for a year. She also worked in the Salvation Army public relations for a year. Edith has an M. A. in

English literature from the University of New Mexico where she also did part time English teaching. She received her B. A. in English literature from the University of Akron.

SAMUEL A. MOORE was recently appointed division supervisor of 1322. He is a _____

g r a d u a t e of Rhode Island University where he received his B. S. degree in mechanical engineering. Sam's experience prior to joining us in 1949 included al-



most nine years as a turbo jet performance engineer, engine test engineer, and power plant engineer. He was a power plant engineer while in the service as an Air Force captain.

CHARLES K. REED has been promoted to supervisor of Section 1931-2. He came



to Sandia in 1949
after two years
in expediting and
production control
with Crosley Motor Co., Marion,
Ind. Prior to that
he spent another
two years in expediting and pro-

duction control with House Trailer Manufacturing Co. in Marion. Charles also has a total of four and a half years with General Motors, Inc., where he was production and precision equipment supervisor. He is a veteran of almost four years in the Air Force.

Sandians Help Form Association to Aid Handicapped School Age Children

Several Sandians are cooperating with other residents of the state in forming an Association for the Education of Handicapped Children.

Dr. F. G. Hirsch, 3160, has been named chairman of the Association's Professional Committee and Mrs. Hirsch is the Recording Secretary. Joan Longhurst, 3154, is assistant to Dr. Hirsch, Roger Schwartz, 2452, is a member of the Legal Committee and Mildred Whitten, 3160, is on the Public Relations Committee.

Members of the organization have plans underway to accumulate data and facts which will reveal the magnitude of the handicapped school age population and will be used to attract attention of people who have an interest in the problem.

Long range plans for the Association include a counselling and diagnostic service and also establishment of a scholarship which will be used to train a student in the science of education for handicapped children. It is also intended to incorporate the Association as a non-profit group.

Present plans call for the organization to meet the third Monday of each month. Further information may be secured from Dr. Hirsch ext. 29246 or Mildred Whitten, ext. 33257.

The Inquiring Reporter Asks:

Who'll Be In the World Series?

ANITA KLOENNE, 2331. The Cincinnati Reds are my team but I

don't think they'll finish in the first division so I'll pick the Dodgers and the Yanks. Just the same I'll be cheering for the Reds all the way. My home town? Cincinnati, but that has noth-



ing to do with it, I simply think the team is good. The Dodgers are a favorite of mine, too, I like the way they always manage to come through. But to be honest I think the Yanks will win the Series.

EMIL STEINKRAUS, 1951. Without a superior pitching staff it's



going to be hard for any team to get into the Series so I'd look for the teams with the best pitchers. To me that means the Indians and the N. Y. Giants, I'll probably get plenty of argu-

ment on that, but those are the two I'd pick for the Series. Besides I've always liked the Giants, probably because they're a really aggressive outfit, and I'm looking forward to seeing them win the Series.

ED DOMEIER, 3210. It's rank heresy for an American League fan

to even mention the National League, but, may I be forgiven, I'll say Brooklyn to win. As a White Sox fan and in the absence of another starting pitcher and a long ball



hitter, I'll have to give the nod to Cleveland. The series? Cleveland in seven games. JAMES W. LOSSING, 2452. I'd like to see a dark horse to come in.
A team like

A team like Washington or Cincinnati. There's no use counting on that, though, so I look to the Yankees and the Giants for the Series. I've been a Yankee fan since I was a



kid and Babe Ruth was out there making history. Any time the chips are down the Yanks are my team. I pick the Giants because of that pitching crew of Maglie, Jansen, Hearn and the rest. Still I think the Yanks will win.

JEANNETTE HERVIN, 4153. I'm not an expert on baseball. I guess I



go more or less by the teams I'd like to see in the Series, The teams I'd like to see are the Yanks and the Dodgers. I've never been to a big league game in my life but I'd give anything to

see those two fight it out in a World Series. But other than wishful thinking I really believe the Yanks and the Dodgers have the best chances to take the pennants in their leagues.

AL JONES, 2124-5a. I'll take the Brooklyn Dodgers and the Cleveland

Brooklyn Dodgers Indians. I rooted for the Bums last year, but the Indians are my favorites this year. They've got a good pitching staff with Feller and Lemon and a great infield and batting lineup.



Even so I'm afraid I'd have to give the edge to Brooklyn for a Series win—the Dodgers have terrific spirit.





SOFTBALL AND TRIMMINGS were on the menu for the Employment and Personnel Department picnic May 11. Left, Vern Henning comes into first base while Fred Collatz waits for the ball. In the far background is Ray Powell. Right, the blur sliding into base is Dean Irvin and Milt Fellows is behind him. The ball game was between General Employment and Placement Divisions and the officials decided it was a 14-14 tie. Jim Schlahta was in charge of arrangements for the party.

SALTON SEA NEWS

Newest arrivals at Salton Sea Base are five puppies born to "Taffie," blonde cocker spaniel belonging to Bobby McNabney, son of Verne McNabney, 2482-2. The mystery is how come the pups are black, and black and white spotted.

Ray Wason, 5214, an old timer at Salton Sea, is looking forward to going home this summer to see his mother in Connecticut. Ray, besides being quite an accomplished musician, and cook, is Salton Sea's most eligible bachelor.

George Fenton, former Heavy Equipment Operator, spent last Sunday visiting Dan Cain, 2483-2. George was an old timer and saw quite a change in the Base. George has since gone to sea and is employed by Scripps Institute of Oceanography.

Television is coming to the Salton Sea Area. No. 5 set has been bought by Stan "Slim" Pickens. Stan always has a full house every Wednesday evening during wrestling matches as he gets very good reception from San Diego. Now with a new antenna he is trying hard for the Los Angeles stations.

Edmund Kuroski, 2482-1, who drives the Base school bus every morning, has always made a great hit with the children. Ed's hobby is raising horses and last week he invited some of the children out to his place to see his horses and taught them to ride. The children had a great time and are looking forward to another great day.

Orlando Tulk, 2483-1, has a new hobby. He has a couple of acres going hobby. He has a couple acres going to waste so he planted it in pasture and bought several white face calves. Tulk spends all his extra time with them and has each one named.

The biggest event of the week was when Rose Lee, Prophet Company cashier, came back to the Base with her hair cut. Rose it looks nice and we will all get used to seeing you with short hair.

New Employees

A welcome is extended to the following new employees who joined Sandia Corporation between May 1 and May 14:

Monroe J. Willner 1213
Robert M. Reals 2213

Debont M. D. 1	75	141.
Kobert M. Beck		1262
Harold C. Psillas		1511
William M. Stefanek	35	1521
James A Sisler		EO
Lee E Donton		134
Det I Denton		1544
Reuben H. Minter		1931
Garrett E. Drumond, Ir.		1931
Antha E Keyt		1011
Inole V Del		193
Jack K. Dobson		1932
Carl E. Longfellow	923	1951
Truman N Casson Ir		1050
George D'Alongo	9	1734
Verse T D Mionzo		1953
vernon L. Barcater		2122
Clittord A. Fawver	13	2123
Jose D. Baldonado	8	212
Haliadam T.C.		214.
Hellodore J. Salazar		2123
William S. Spradling	1	2123
Larry E. Sowards		112
Ervin W Lahmann	3	2100
T. TIT TELLINGTH	4	14
Jesse W. Mitchell	12	2123
William E. Neitzel		2125
Ernest I Tavasei		2222
Fligabath F Cin		1000
Town T T I	1.6	43]
inger J. Johnson	12	2231
Gaylo I. Redlinger	9	2231
Phil Meekins	17	222
Pohart I Walles		1000
Nobelt L. Walker	. 4	434
William T. Saunders	. 2	2234
Forney D. Carpenter	18	224
Ine D Fermison	-	2224
Towns T. C. 1	. 4	4234
Lawrence E. Sedore	-2	234
Walter K. Vallely	. 2	331
Peggy M. Burkhalter		331
Hellen M Grotherer	7	257
Charles H Street	. 4	332
Charles II. Staff	14	443
Russell B. Wheeler	. 7	452
Robert W. Cruzen	. 2	452
Leo A. Baca	19	452
Shirley Cleary	13	161
Rita B Davies		1461
A Tudou Montes	- 6	401
A. Tudor Marks	. 4	402
John E. Bassett	.2	463
Hubert F. Reynolds	. 2	483
William H. Allen	2	532
Renfroe R Beach	2	522
Los MaKitteials	17	500
Deci MCKITCHEK	. 4	332
Doris M. Carson	.2	532
Thomas O. Meyer	2	533
Jose L. Sanchez	2	541
Tay A Monroe	10	540
Joseph A Osmins	- 6	540
Joseph A. Ozmina	-4	544
Raymond E. Scharpen	. 3	151
Jenny B. Colbert	3	153
Edgar P Cave	12	230
Hartha I Farbar	-	125
Treitha I. Polibes	- 1	199
Frances M. Buress	.4	135
Myrtle B. Fuller	.4	135
William P Brown	4	152
Endoring Martines		150
C. 11: D. C. 11	-	132
Geraldine R. Cantrell	.4	222
Ricarda Gallegos	.4	222
Dorothy D. Morton	4	222
Margaret A Deswer	1	222
Tack E Calan	88	200
Lean F. Conen	-4	222
Estner B. Martinez	.4	222
Rita C. Camarata	.4	222
Elizabeth L. Trump	4	222
Ruth A Clare	1	222
D. L. C. M. II	- 1	224
Robert C. Mueller	.4	231
Keevin T. Moriarty	.4	311
Jay Todd, Jr.	.5	112
George Gleicher	5	215
Robert M. Beck Harold C. Psillas William M. Stefanek James A. Sisler Lee F. Denton Reuben H. Minter Garrett E. Drumond, Jr. Antha E. Keyt Jack K. Dobson Carl E. Longfellow Truman N. Casson, Jr. George D'Alonzo Vernon L. Barcafer Clifford A. Fawver Jose D. Baldonado Heliodore J. Salazar William S. Spradling Larry E. Sowards Ervin W. Lehmann Jesse W. Mitchell William E. Neitzel Ernest J. Tavasei Elizabeth F. Six Inger J. Johnson Gaylo I. Redlinger Phil Meekins Robert L. Walker William T. Saunders Forney D. Carpenter Joe D. Ferguson Lawrence E. Sedore Walter K. Vallely Peggy M. Burkhalter Hellen M. Grotberg Charles H. Starr Russell B. Wheeler Robert W. Cruzen Leo A. Baca Shirley Cleary Rita B. Davies A. Tudor Marks John E. Bassett Hubert F. Reynolds William H. Allen Renfroe R. Beach Lee McKittrick Doris M. Carson Thomas O. Meyer Jose L. Sanchez Jay A. Monroe Joseph A. Ozmina Raymond E. Scharpen Jenny B. Colbert Edgar P. Cave Hertha I. Forbes Frances M. Buress Myrtle B. Fuller William P. Brown Pederico Martinez Geraldine R. Cantrell Ricarda Gallegos Dorothy D. Morton Margaret A. Deaver Leah F. Cohen Esther B. Martinez Geraldine R. Cantrell Ricarda Gallegos Dorothy D. Morton Margaret A. Deaver Leah F. Cohen Esther B. Martinez Geraldine R. Cantrell Ricarda Gallegos Dorothy D. Morton Margaret A. Deaver Leah F. Cohen Esther B. Martinez Geraldine R. Cantrell Ricarda Gallegos Dorothy D. Morton Margaret A. Deaver Leah F. Cohen Esther B. Martinez Rita C. Camarata Elizabeth L. Trump Ruth A. Glaze Robert C. Mueller Keevin T. Moriarty Jay Tody Jr. George Gleicher Walbert G. Levy Thomas D. Lusk		212
Thomas D. Luste	. 0	413
Thomas D. Lusk	. 0	411

AEC New Employees James DeLuca, Operations Branch John P. Callahan, Operations Branch

Favorite Foods

This is another of a series of stories about Sandia cooks who enjoy the culinary arts as a hobby and a pleasant pastime and are highly accomplished in their art. With each article there is a favorite receipt for those gourmets who wish to try their hand in the kitchen.

Gene Rose's Spaghetti Sauce a L'Antoine

2 pounds ground beef

2 eggs

½ cup bread crumbs

1 cup freshly grated Parmesan cheese

34 cup olive oil

7 cloves garlic 1½ T. salt

1 T. oregano

½ t. red pepper seeds

4 cans tomato paste

1 quart tomatoes

1 large Bermuda onion Flavor the olive oil with a clove

of garlic. (Slice the garlic into the oil, heat until garlic is crisp, then discard garlic.)

With the meat mix the eggs, bread crumbs, ½ cup of cheese, the remainder of the garlic (finely choped), the salt, the repper seeds and the oregano (freshly rubbed in the palm of the hand).

Add meat to heated olive oil and turn with spatula until just brown.

To meat, add the tomato paste and six cans of water. Begin simmering. Strain the tomatoes through a seive and add the smooth mixture to the simmering sauce.

Add the remainder of the cheese and the whole, peeled onion. Simmer five hours over a low flame, adding water if necessary.

If a pressure cooker is used, omit all water and simmer only 15 min. at 15 pounds pressure.

If desired, the meat may be formed into balls just before browning.

Serve sauce over vermicelli, which should be prepared just before serving in sufficient quantity to go once around the table. For the whole recipe of sauce, about 2½ pounds of vermicelli will be needed. To prepare add it to briskly boiling, salted water, stirring occasionally. The cooking time (about 5 minutes) is critical; test the consistency frequently by removing a strand and biting it; as soon as the starchy texture disappears, pour off the water and serve at once.

When serving, cover the vermicelli with sauce and sprinkle additional grated Parmesan cheese on top as desired.

When a friend of the family told Gene Rose, 5120, of a wonderful recipe for making Italian spaghetti Gene borrowed the formula and tried it immediately. "My wife and I both agreed that it was delicious, the very first time we made it," he says. Ever since then the Rose family has had the dish, prepared by Gene, quite often. "It has the advantage of being even better when heated up the second or third day," he points out.

With it Gene serves tossed salad,



Gene Rose

French bread ("with garlic butter if you have time") and the Italian wine, Chianti. For quicker preparation he suggests using a garlic press. "It's a terrific saving on both time and effort."

The spaghetti was the first thing he ever cooked but the experience proved to be so much fun that Gene bought a book entitled "Round the World Cooking," containing recipes from nearly all the foreign countries. Up to date he and his wife have tried nearly all of them with good results.

"The only exception to our successful cookery so far has been Irish Fadge (rhymes with Madge). "We have tried this concoction several times and each effort has been a complete failure. When it turns out right it should more or less resemble a potato cake—but ours usually tastes like old shoe leather. The last time we finally tried making a pie out of it but the only part that was edible was the filling so we scraped that out and ate it."

Gene, his wife, and Arthur, age 9, live in the Wherry Housing Area after moving here about two months ago from Madison, Wis. All three like it here "very much" and agree that it's a pleasant change from the Wisconsin cold.

As a hobby Gene says he enjoys playing the piano and card games — almost any kind.

Sympathy

It is with deep regret that we hear of the death of Col. Russell Ayers, father of Jack Ayers, 1232.

Sympathy is extended to H. G. Froleich, AEC, on the death of his mother. Mrs. G. L. Froleich died in Massillon, Ohio, May 16.

We wish to offer our sympathy to Joe Seiler, 2334, on the death of his brother, Ben Seiler, May 9.

Employees of the corporation wish to extend sympathy to William Thomas, 2535, on the death of his father.





SOFTBALL SEASON has been ushered in for the Sandia Corporation League and here we have Robert Lozano taking a mighty swing with Catcher Chet Weaver awaiting the ball. Bob plays with 2233 and Chet

Classified

FOR SALE-

Lawnmower, 16-inch, all-metal, rubber tires and grips, used 2 months, \$14; Philco AC-DC-battery portable radio, non-breakable case with batteries, \$20; Magnavox "Contemporary" high fidelity radio-phonograph, 2 speed Webster changer, AM-FM-short wave bands, \$120; GE 17-inch console TV, 12-inch speaker, 12 month unconditional guarantee on picture tube, portable antenna, \$225. Half down, half in 30 days on Magnavox and TV. LeCompte, ext. 37227 or Alb. 5-3261.

Camera, Perfex "55", F2.8 Wollensak lens, ground and coated, shutter speed up to 1/1250 sec., built-in range finder and exposure meter. Price includes case and flash attachment, \$75. Jim Brown, ext. 29132 or Alb. 5-7467.

1951 27 ft. Zephyr trailer. Shower, toilet, refrigerator, \$2600. Loan of \$1300 may be assumed. Walker, Alb. 6-4116.

Easy Spindrier washer, excellent condition, \$100. J. V. Durant, 3268 47th St., Sandia, ext. 24150 or 29272 after 5 p. m.

Corey Electric Dishwasher Never used. Best offer. 511 E. Gold Ave. Call Alb. 2-0683.

'49 convertible Ford Custom "8", \$1250. Radio, heater, good mileage. Eleanor Greenhaw, ext. 26237 or Alb. 5-3420.

'50 Nash Statesman, radio, heater, overdrive, whitewalls, \$1550; '51 Ford convertible, 8000 miles, excellent condition, \$2000. Will finance. Freyermuth, ext. 6150 or 33162 or Alb. 6-2410.

Living room suite, Monterey styled, all clean, reasonable. H. C. Carmody, ext. 25137 or Alb. 5-4459. See at 417 S. Dartmouth Ave.

1950 Hillman Minx auto, good condition, eco-nomical to operate; English Bicycle, \$30. Call Alb. 5-9022 or see at 1504 N. Princeton after 5 p. m.

13 ft. plywood boat, or boat, motor and trailer. Albert I. Martin, Alb. 4-2253.

38 Colt automatic, sheepskin holster, like new, \$50. J. Fries, ext. 2-1145.

'41 Chevrolet sedan. Tom Flowers, ext. 21145 or Alb. 5-3993.

1950 DeSoto custom convertible, loaded with accessories, in beautiful shape. Will sacrifice this \$3500 car for \$1950. Trade considered. Dick Scholtes, ext. 27163.

Registered collie pups. J. H. Martin, Alb.

TV platform rocker; dark wood living room clock; 2 twin size bedspreads. Helen Moulder, ext. 33236 or see at 3612 E. Smith.

Hercules 3-speed man's bicycle with sealed beam headlight, box rack and saddle bags, \$40; Steeromatic baby carriage in good condition with wind deflector, \$30. A. Goodman, ext. 27158 or Alb. 5-0675.

Cmerson miniature battery radio, \$20. Gragg, ext. 21261 or Alb. 3-5827.

1949 Whizzer motor bike, automatic clutch, sealed beam headlight. James Reed, ext. 2437. May see at 1008 San Miguel Dr.

1938 2-door Plymouth in sound condition, good tires, \$100. D. B. McCarthy, ext. 7146 or Alb. 2-5503.

1 double bed, \$20; 1 single bed, \$15. Both have innerspring mattress and box springs. 1 bed davenport, \$35. E. W. Peirce, ext. 7184.

LOST-

White gold man's wedding ring set with three small diamonds. Lost in vicinity of military baseball diamond on May 13. If found please call Ken Weidner, ext. 31239.

Turquoise drop ear bob. Will finder please contact V. H. Haverty, ext. 25249.

Three "Dog Show" ribbons, 1 blue, 1 purple, 1 red and white. Lost between bldg. 838 and 802 on May 12. Finder please contact M. L. Favia, ext. 21221.

WANTED-

Riders to Denver, Colo., May 28. Share expenses of gas and oil for the trip. Jack Bashor, Alb. 5-2410.

Good home for male cat, 1 year old. Pretty, gray, half Persian, has had distemper shots. Excellent for children. C. L. Lindquist, 8010 Prospect Ave., ext. 22242 or Alb. 5-1057.

Three dependable steady riders from Five Points, Bridge St. and Sunset Rd. or along Bridge St. to administration building or south gate or will share car pool. Lopez, ext. 26155 or Alb. 3-8550.

Terry Riggen to **Head Choristers** For New Season

The Choristers, Sandia mixed chorus, is reorganizing and the man at the helm is Director Terry Riggin, 1243. Election of new officers is being planned by the singers and meetings are being held Tuesday

nights from 8 to 10 at the Coronado Club.

At the meeting next Tuesday rehearsals will begin on three old favorites, "Dark Eyes," "Lost Chord," and "Allouette."



Terry Riggin

Director Riggin has had a wealth of experience in music and in directing singing groups. For 11 years, from the time he was 5 years old, he studied piano at the Zeckwer-Hahn Conservatory of Music in Philadelphia, Pa.

For a number of years he taught piano at the Allegheny Conservatory of Music in Philadelphia and for several more years he taught piano and piano accordian at the Dortsch Music Studios there.

Terry has played in concert orchestras, performed solo in radio and concert and for five years he had his own dance band in Philadelphia. While he was working as an engineer with Glenn L. Martin Aircraft Co., Terry was director for seven years of the "Martinaires," a mixed chorus. So far the new Director's plans call for fall and Christmas concerts plus numerous engagements at hospitals, schools and churches. The bigger the chorus, the better, according to Terry, and he has invited all those interested in joining the Choristers to attend any of the Tuesday night meetings.

Plan for Women's **Bowling League**

There will be a bowling meeting Tuesday, May 27, in the small dining room at the Coronado Club at 7:30. All women interested in a summer league or mixed doubles are urged to attend. For further information contact Gerry Hahn, ext. 31141.

FOR RENT-

Unfurnished, large, one bedroom house, stove furnished. \$60 month. Q. D. Kirkland, ext. 29256 or Alb. 5-7825.

Double room for men. Private entrance, bath and sitting room, near University. \$24 each. Mrs. Geneva Bishop, ext. 21134 or Alb. 7-9483.

Three room furnished apartment, available May 21. Near Sandia Base. Bernice Armour, Alb. 5-0321.

Two bedroom apartment. Close to base, refrigerator and stove furnished, \$75. 123 S. Dallas. Robert N. Schowers, ext. 31257.

RIDE WANTED-

Coors and Bridge St. to near Tech area. Florencio Baca, Alb. 3-3058.

Pershing Dr. and S. Richmond vicinity. Marilyn Shaklee, ext. 26149 or Alb. 5-3258.

FOUND-

Glasses, 3 pr. horned rim, 1 pr. pale plastic, 2 pr. sun; 4 rosaries; pipe; silver link bracelet; earrings; boy scout pin; locket; tie clasp; chauffeur badge; watch with UNM insignia; assorted keys. Call ext. 23140.

An Invitation To Sandia Boxers

Sandia athletes who are interested in boxing and would like to participate in some exhibition bouts are invited to get in touch with Edward Bascom of the Albuquerque Certoma Club. Ed may be called at Albuquerque 3-0701.

Sandians are also invited to attend the amateur boxing matches to be at the Armory Saturday, May 24, 8:30 p.m.

The fights will be between Santa Fe and Albuquerque Golden Gloves contenders.

Radio Club Elects President, Plans Picnic in Manzanos

John Eckhard, 5221, was elected president of the Sandia Base Radio Club recently. Other new officers are Arnold Finchum, 5233, vice president; Bernard Cassidy, secretary; and William Greer, treasurer.

An all New Mexico amateur radio operators picnic will be held Sunday, June 1, at Capillo Peak in the Manzano Mountains. The route to the picnic area will be along Highway 10 and markers along the route will give further directions.

The Base Radio Club has scheduled a special meeting for Monday night at 7:30 at the Club building to make plans for the National Field Day exercise on June 21. General chairman for the Sandia Club Field Day activity will be Bernard Cassidy.

Softball Schedule

MONDAY, MAY 26 1230 vs. 2545, "A" Diamond, 5 p. m. 1300 vs. 2542, "B" Diamond, 5 p. m. TUESDAY, MAY 27

1951 vs 2122, "B" Diamond, 5 p. m.
1200 vs. 2440, Diamond 2, 7 p. m.
1500 vs. 2233, Diamond 2, 8:30 p. m. WEDNESDAY, MAY 28 1500 vs. 2545, "A" Diamond, 5 p. m. 1951 vs. 2440, "B" Diamond, 5 p. m.

THURSDAY, MAY 29
1200 vs. 2542, Diamond 2, 5 p. m.
1300 vs. 2122, Diamond 2, 7 p. m.
1230 vs. 2233, Diamond 2, 8:30 p. m. MONDAY, JUNE 2 1200 vs. 2122, Diamond "A", 5 p. m. 1230 vs. 1500, Diamond "B", 5 p. m.

TUESDAY, JUNE 3

1230 vs. 2440, Diamond 1, 7 p. m.
2545 vs. 2233, Diamond 2, 7 p. m.
1500 vs. 2542, Diamond 1, 8:30 p. m.
1300 vs. 1951, Diamond 2, 8:30 p. m.

THURSDAY, JUNE 5
2542 vs. 2122, Diamond 1, 7 p. m.
1200 vs. 1300, Diamond 2, 7 p. m.
2233 vs. 2440, Diamond 1, 8:30 p. m.

eam	STANDINGS MAY 16 Captain W	L	Pct.
00	Art Eiffert4	0	1.000
42	James Schlahta4	0	1.000
00	Milton Jones3	1	.750
22	Max Gasta3	1	.750
45	John Robinson 3	1	.750
40	Ward Hunnicutt1	3	.250
51	Robert Eisle1	3	.250
30	Ray Pierotti0	3	.000
00	Tom Ginther 0	3	.000
33	Warren Buck0	4	.000

Two new courses in electrical engineering will be given at the University of New Mexico this summer. Transients in Linear Systems and Alternating Current Circuits will be offered at times convenient to the students. Registration is June 7 in Carlisle Gymnasium.



AN EVENING AT HOME finds the Brown family comfortable and happy. Pauline, left, studies for the next day of school, Marvin and Mrs. Brown study a road map and Charlotte Jean is on the floor reading.

"Trailer Life's the Life for Us" Says Sandian Who Speaks from Experience

For five years Marvin Brown, who is now a Sandia Security Inspector, struggled with the housing shortage; he, his wife and daughter lived in seven houses and apart-ments during that time. "After being unsettled for so long we decided to do something about it," Marv relates. And they did.

In April of 1942 the Browns bought a 25-foot house trailer and parked it on a lot in La Porte, Ind., and ended worrying about a place to live. For 10 years Marvin and his family have been living in trailers and now have the philosophy that it is the best life a family can

Lots of Room

He and his happy family have an air of contentment about them which speaks well for trailer life. Today they live in a 34-foot, two-bedroom model and in the family of four (they now have two daughters, Pauline, 13, and Charlotte Jean, 7) not one person feels crowded.

"The girls have their own bed-Marvin says, "and both of them are far above average in their school grades so it appears that the trailer provides a good environment."

Some modern trailers are palaces complete with television, deep freeze units, dishwashers, bathtubs and other features of the full-sized home. The Browns plan to add a television set soon, "there's plenty of room," they say. Mary admits that these big trailers can be expensive if you want them to be, but he has owned four trailers in 10 years and with careful trading has easily acquired a large, comfortable and attractive home on wheels.

No Flood Worries

"Living in a big trailer doesn't require too much money," he maintains, "and, boy oh boy, it sure relieves the worries." He points out that although he lives in the valley he has no fear of floods, "I can be out of there in an hour if necessary."

evinces his enthusiasm for that type of home when he says, "After the youngsters grow up my wife and I hope to travel. And we'll do it by trailer, a smaller one maybe, about 25 feet long, and then when we want to settle down we'll do it in the bigger trailer. There's nothing like

What's My Line?



David Tafoya is a Photographic Technician

To Dave Tafoya, 2462-1, there is no mystery to the gradual appearance of a life-like picture on a piece of paper immersed in a chemical solution. Since he came to work at Sandia in 1948 Dave has printed hundreds and hundreds of photographs. In addition he enlarges pictures, operates a copy camera, makes slides and develops negatives. His job here is the first Dave has ever had. For six years before 1948 he was in the Navy as a second class petty officer. He lives in Albuquer-The ardent trailer fan further que with his wife and 2-year-old son



BOWLING AWARDS for the members of winning teams were presented by H. W. Sharp, 3100, second from right, second row. Pictured here are the mem-

bers of the teams who were tops in the five Sandia Corporation bowling leagues which recently completed a full season of play at the Coronado Club.