To Engineers on **Technical Growth**

Corporation President James W, McRae will speak on "Our Expanding Technology" at a special joint meeting of several technical societies on Friday, Jan. 22, 8 p. m., University of New Mexico Science Hall.

The societies participating in the meeting will be the Institute of Radio Engineers, of which Mr. McRae is national president, the Instrument Society of America, American Society for Metals, and the Society for Nondestructive Testing.

All members of societies represented by the Council of Technical and Scientific Societies are invited to attend.

Local Section of ASME Chartered

Wednesday, Jan. 20, the New Mexico Section of the American Society of Mechanical Engineers will officially come into existence. The group was



Richard A. Bice —heads ASME section—

formerly a sub-section of the Rocky Mountain Section with headquarters in Denver.

The charter for the new Section will be presented by C. H. Shumaker, vicepresident of ASME Region VIII and professor of mechanical engineering at Southern Methodist University.

The ceremony will take place at the University of New Mexico's Mitchell Hall, Room 101, 7:30 p. m.

Mr. Shumaker will also discuss the activities of the ASME in this and other regions of the country.

The charter certification for the New Mexico Section will be presented by Region Vice-Chairman Shumaker to the new Section's chairman, Richard A. Bice, 1260. Chairman Bice carries over from the chairmanship of the Albuquerque

Mr. McRae Speaks J. R. Townsend Elected To Serve Second Year On Standards Council

J. R. Townsend, 1600, has been elected to serve another year as Chairman of the Standards Council of the American Standards Association.

Mr. Townsend joined Sandia Corporation Dec. 1, 1952, after he had been granted a leave from his post with Bell Telephone Laboratories where he was Director of Materials Applications Engineering.

He is a past president of the American Society for Testing Materials. Organizer and a member of the Committee on Materials, Research and

Development Board, Mr. Townsend is a member of the Minerals and Metals Advisory Board of the National Academy of Science.

Home Displays Win First Prizes For Lab Families

Two Sandians were among those winning prizes for their outdoor Christmas decorations in a recent contest sponsored by the Public Service Co. and the Heights Lions Club.

The Bert Quelle family won first prize in the luminario class and the Bob Masak family took first prize in the general class, both for Zone 1,

Bert's children, Gretchen, Karen and Reinhardt, had the inspiration and, according to Bert, did all the work toward winning the prize.

Youngsters Do Work

They used 288 luminarios in their display. The Quelle home is an adobe-type home at 1111 Morningside Dr. NE. The children outlined the house completely with luminarios and then went on to outline the landscaping features around the house with the "candles-in-a-sack."

"The kids had their fire department ready," says Bert, who is in 3124. "They had three garden hoses handy at all times.'

Use Colored Lights

Louise Masak thought up the ideas and husband, Bob, 2544, did the electrical and carpentering work on their display, aided by their two children.

The Masak home at 2208 Inez Dr. was outlined by colored lights with other lights in the trees and shrubbery. The big feature was a floodlighted three-foot-high angel stationed with a huge hymn book above the eaves of the home.

On the lawn before the house were six choir boys standing four and a half feet high.

The figures were built and painted by Bob in his woodworking shop. Both the Ouelles and the Masaks received \$20 from Public Service for

their prize-winning displays.

Chef's Special Complete Dinner Now Served Evenings at Club Restaurant

"Our Chef's Special Luncheon (as described in a recent issue of this paper) is a big success," reports Roger Almond, manager of the Sandia Corporation restaurant in the Coronado Club.

"In fact," he adds, "the reception to the special noon-time luncheon is so good that we are now serving a Chef's Special Complete Dinner in the evening.'

This \$1.25 evening meal offers an entree such as pot roast of beef, veal cutlets, braised sirloin tips, veal fricassee or cottage fried steak. Also included in the meal is a large salad. vegetable, potatoes, rolls and butter, coffee and a choice of pie or ice cream for dessert.

The noon luncheon special still remains on the menu for 62 cents. Among the popular entrees included from day to day are chicken enchiladas, Bavarian cabbage and Polish sausage, filet of sole and tamales and

The special luncheon also includes a vegetable, potatoes, bread and butter, a special salad, dessert and



MARCH OF DIMES campaign discussed by several Sandians and Robert H. Conway, March of Dimes director in Bernalillo county. L to R: Timothy E.

Shea, Vice-President and General Manager of Sandia Corp., Mrs. Al W. Fite, Mr. Fite and Mr. Conway. Mrs. Fite, a recent polio sufferer, is active in this campaign.

Telethon Tonight

Tonight at 9:30 begins the big March of Dimes "Telethon" over KGGM-TV. A featured guest will be Hollywood's Linda Darnell. Entertainment and auctions are planned with all proceeds going to the Polio Fund.

Albuquerque's "Cisco Kid" fans will have a chance to see "Pancho" in person Jan. 27 and 28 when another Hollywood personality, Leo Carrillo, arrives in Albuquerque to spark the March of Dimes drive. He'll appear at local schools and in Albuquerque's downtown business district.

More Polio News on Page 4

Topics from Taxes to Knotsmanship Will Be In Booklet Offerings

The Ides of March is fast approaching, and with it the deadline for income tax filing. To help you save time, and perhaps even money, your booklet rack will soon offer the 1954 edition of "The Employee's Income Tax Guide."

Can you unerringly tie a square knot? Or do you usually end up with a "granny"? "Useful Knots and How To Tie Them" teaches the techniques of expert "knotsmanship" with concise instructions and helpful dia-

Space Travel

Who among us has not thrilled to the promise made by scientists that man will soon travel across the vast spaces separating him from neighboring planets and stars?

Without moving from your armchair, you can journey imaginatively through space by reading "What Is Astronomy All About?", which explains clearly and simply some of the surprising facts about our universe.

Democracy at Home

"Democracy Begins In The Home" explains the need for healthy family attitudes. By means of realistic examples, it describes the benefits derived from a democratic home life in which the individuality of each member-his feelings, desires and abilities-are recognized and allowed to grow.

Drive for Funds to Fight Polio Starts With TV Program — Sandians Featured

The March of Dimes kickoff program Jan. 2, aired over KOAT-TV, featured Sandians among city-wide boosters who launched the drive for support of the National Foundation for Infantile Paralysis.

Lab Families Helped

Timothy E. Shea, Vice President and General Manager of Sandia Corporation, told of the families of laboratory personnel and the AEC Field Office employees who benefitted from March of Dimes assistance in 1953.

"In assisting these nine people the March of Dimes fund spent nearly \$9,500," he reported.

"Curiously enough, of the nine people who were helped, seven were adults. There were three employees, four wives, one son and one daughter. You know, we usually think of polio as striking children rather than adults.'

Fred Darugh Performs

Among the Albuquerque talent appearing on the two-hour show was 5312's Fred Darugh, who presented an "Hawaiian Witch Doctor act, assisted by Mrs. Darugh. Fred is scheduled to participate in two more March of Dimes shows, one tentatively set for Jan. 18 on KGGM-TV, and the second on Feb. 4.

Among the "Polio Parents" introduced were A. W. Fite, 1324, and his wife. Mrs. Fite is now recovering

from an attack of polio which struck her 15 months ago.

MBC Trio Plays

The MBC Trio, musical stylists, presented selections. The trio consists of M. J. "Mike" Michnovicz, 2462; Bill Budens, and Cliff Booth,

Assisting in production of the March of Dimes show was Ted B. Sherwin, 3125.

You May Play Bingo For March of Dimes

Bingo players and their guests will vie for prizes next Wednesday at the Coronado Club when all proceeds are to be donated to the March of Dimes.

Albuquerque merchants are providing merchandise prizes for this special event and bingo will be conducted as usual with total funds derived from card sales going to the March of Dimes.

Al W. Fite, 1324, heads the committee in charge of arrangements. The regular Coronado Club Bingo game will be by-passed next week in favor of the March of Dimes.

AWOL Model Spitfire Trespasses on Local Airlanes; Destroyed by Jets

When Jack Gruer's Navaho Spitfire showed up on the Kirtland Field radar last week two jet planes sped into the sky to destroy it.

The Navaho Spitfire was a model plane built by Jack and his dad, Al Gruer, 5224. After several unsuccessful attempts to fly it out on the mesa they revved the little plane up behind the Gruer home on the Base.

"This is the last try," said Jack as he prepared to start the engine. He was so right.

The model took off and went straight up. At about 4,000 feet it disappeared into the clouds and

that was the last Jack ever saw of his Navaho Spitfire.

That night Jack called KGGM-TV and asked Pen Dennis, MC of "Club 13," to announce the plight of his lost plane and ask if anyone had found it.

Mr. Dennis complied and the next day a Kirtland Field officer called and told Jack his model had appeared as an unscheduled blip on their radar screen.

Two jets sent up to investigate destroyed the little plane as a hazard to other air traffic.

As for Jack, he's planning another model plane - Navaho with a Spitfire engine, of course.



Friday, January 15, 1954

Published every other Friday for the employees of Sandia Corporation, contractor to the Atomic Energy Commission.

Editor, Robert S. Gillespie Assistant Editors, William A. Jenkins, Maxine Ethridge

Photography by Photographic and Reproduction Division

Contributions should be in the office of the Sandia Lab News, Employee Services, Training and Public Relations Department, Bldg. T-301, before noon of the Friday prior to day of publication.

Telephones: Sandia Base Extension 25253 or 26135



Those Who Want to Know

Somewhere there is someone who wants to know. To the casual listener that sounds like a good thing.

But this someone wants to know something that is important, something that is vital, something that is urgent, something that is here at Sandia Laboratory — and that something is classified

Many of us here have such knowledge; many of us here work with that knowledge day in and day out and those of us who possess such knowledge are charged with protecting it.

The basis of our country's security program does not rest on rules, regulations, classifications or inspectors — it rests with the men and women who have access to classified information. The rules, regulations, classifications and inspectors are to help the people guide and coordinate our efforts; the actual basic security rests upon the individuals who have the information.

Good security becomes a habit with good citizens, and it never is forgotten. It becomes second nature.

Lest we become preoccupied with work-a-day problems this reminder is brought to us Sandians. Somewhere there is someone who wants to know something we may know. There is only one person who can keep the secret. You.



Now It's a Hobby

One of our do-it-yourself fans tackled the project of an outdoor barbecue made of brick and iron. After a good start he worked at it so infrequently that his teen-age daughter remarked it was no longer a project — "it's a hobby."

It Was Almost Bottomless

Enroute to work one recent morning one Sandian felt the street drop out from under him and his sedan was marooned—the frame resting at road level and a rear wheel in a hole filled with water. Not dismayed, he called the water department (at about 7 a.m.) and dropped the problem in their lap. In a short time the city crew arrived, pulled out his car and he made it to work on time. A less resourceful man might have had to pay a towing charge.

A. F. Cone, 1510, and Mrs. Cone celebrated their 21st wedding anniversary Dec. 23. H. P. Kelsey, 1512, and Mrs. Kelsey celebrated their 26th anniversary Dec. 30.

Frank H. Grubbs, 4233, State Signal Officer of the New Mexico Natinal Guard and a member of the staff of the Adjutant General, last week was promoted to major.

Expected to return to 1941-2 this week after recuperation from surgery was Gloria McFadden.

Dottie Blalock, 2553-2, and her husband drove to Oklahoma City for a family reunion during the holidays. Delia Stites, 2553-3, and her husband enjoyed motor boating at Canyon Lake during a Christmas visit to Phoenix, and Kay Jones, 2553-2, spent the holidays with her children in Ponca City, Okla.

R. R. Beach, 2532-2, was expected to return to his job this week after surgery at W and C Hospital.

Lines, Lines, Lines

If you are the average citizen in Albuquerque you have recently stood in line to: 1. get your driver's license, 2. buy your automobile license, 3. pay your property taxes, 4. get your property assessed for 1954, 5. get a brake and light sticker. And how many of us said (when we were in the service) "Never again will I stand in line"?

5 Years Ago

New employees included Walter Maupin, Letha Hacker and Lyle E. Hake . . . Sam Johnson's basketball team shared top position in the league with Roy Dunlap high scorer in a recent game . . . The March of Dimes campaign started January 17 . . . Lee Deeter issued a call for ISA members to form a new section here.

Sandians on year-end vacations included Donald E. Fossum, 1652-2, a week at home; Robert E. McCallum, 1652-3, to Pasadena; William H. Blair, 1652-3, to Washington, D.C.; Betty Schell, 5122, to Minnesota; Paul Fife, 5122, to Phoenix, and K. E. Ball, 5120, to Brownsville,

The engagement of Betty Louise Lynch of Albuquerque to **Donald Benton**, 5252, was announced recently by Miss Lynch's parents. The couple plan an early spring wedding.

Vacationing with her family in Graham, Tex., for Christmas was Margie Bolton, 3153, her husband, Manuel, 2124, and their children. Carmel Sanchez, also 3153, recently returned from a week's vacation at her family home in Belen.

New automobile owners from 3160 include Dr. F. G. Hirsch, who is driving a two-tone blue Dodge, and Pauline Burnside, who with her husband, George, 5112, purchased an

around the departments

A trip to points in Mexico preceded by a week's skiing in Colorado was the enjoyable year-end vacation for Ken Erickson, 5130, and his wife. South of the border they visited in Guadalajara, Colima and Manzanillo where they went deep sea fishing in the bay. The Ericksons had a beach cottage in Santiago, across the bay from the tropical city, for part of their vacation, and took many side trips to points of interest. They report the highways were equivalent to American roads. Also skiing at Winter Park, Colo., with the Ericksons was Don Cotter, 1264, and Mrs. Cotter.

Bernice Henry, 2461-2, spent Christmas in Kansas City with her parents and her sister, who recently returned from WAC duty overseas.

Jennie Howard, 2561-1, now has a new two-tone blue Olds 88.

Carl McGinnis was welcomed back to 2124-6 recently after an illness of several weeks.

His co-workers rolled out the welcome mat for Joe Rooff, 2111-3, who returned to work recently after an illness of three months.

Holiday vacationers from 1641 included Gene Daniels, who went to Oklahoma, R. L. Siglock, at home in Albuquerque, and T. T. Robertson, who went to Pasadena for the Tournament of Roses and the big game. Wallace Hansen, 1643, entertained relatives from Wisconsin over the holidays.

Marian Hills, 5131, returned from her holiday vacation at Jacksonville, Ill., with a new green Ford tudor.

The engagement of Marie Vigil of Albuquerque and Martin Vigil, 1641, was announced recently. The couple will be married in February.

Dennis B. Sparger, 2211, and his family vacationed for two weeks in California where they attended the Tournament of Roses parade in Pasadena.

Lyndall Lee Carter, 1644, is now on vacation in Houston, Tex.

Leonard Smoll, 1521-3, and his family took their holiday vacation in Colorado Springs with relatives. Before they returned to Albuquerque, Leonard became ill with pneumonia and was hospitalized briefly.

Dayton, Ohio, was the holiday vacation destination for **Walt Osborne**, 1521-4, and his wife and children.

Betty Pickel, 5141, spent Christmas with relatives in Fort Sumner, N.M.

While visiting relatives in Miami, Fla., Byron H. Wickett, 1632, attended the horse and dog races.

Roy Maxwell, 1631, and family visited with relatives in Phoenix, Ariz., recently, and are now on a vacation to Port Jefferson, Ohio, where they're guests of Roy's brother.

A speedy recovery is wished to **Ted Perlman**, 1632, who has been hospitalized, and to **C. R. Barncord**, 1631, who has been ill.

Ray Henderson, 1632, and his family spent Christmas weekend with relatives in White River, Ariz. Tom Kelly, also 1632, vacationed at home for two weeks with his wife and four children.

Vacationers from 1510 included Phil Bircher, home to Ellsworth, Kans., to visit his parents; Dale Massey, New Year's week at home in Albuquerque; Frank Fortine and his wife, Diana, 5241-1, to Los Angeles for Christmas; John Kirby, Christmas week at home; Ardelle Chambers, to Victor Colo., for Christmas; Howard Warden, a week at home over Christmas, and Frank Owens to Oklahoma.

Philomene Hempen, 4222, enjoyed a holiday visit from her husband, Claude, formerly of 1916, who is now attending Denver University working on his doctorate. Inez Boyles, 4131, visited relatives in the Colorado capital city over New Year's, and Betty Van Gundy, 4131, took a two-week yuletide vacation to be at home with her children. Joan Hale, 4131, spent New Year's week with her brother, who is attending college in Texas.

Vacationers from 1923 were Betty Reget, who went to Pasadena and North Hollywood, Calif., to spend Christmas with her parents, and Wyona Durham, who visited relatives in Texas. Betty Spieler went to Ohio.

Vacationing Sandians from 2362 included Ruby Pearson, a week at home; G. V. Shaffer, to Russell, Kans., for a visit with relatives; G. J. Felzman, two weeks in Los Angeles, Calif.; W. B. Ferguson, to Texas and Arkansas to visit and hunt duck; Johnnie Griego, to Belen to spend two weeks with his parents, and Clorinda Herrera, to California.



CARRIE Pumphrey, formerly of 5140, poses her new son, Robert, for the cameraman. Robert's father is Bill Pumphrey, 1641.



CELEBRATING her New Year's Eve birthday this year was Mary Lynn Hann, two-year-old daughter of Mr. and Mrs. James Hann. Her daddy works in 2341-1.



THIS brother and sister act belongs to John A. Stuckey, 2561-3, and his wife. John Edwin, left, is three years old and his little sister, Marsha Jo, is 11 months.



GILBERT Atencio, 2223, and his family spent an enjoyable winter vacation in Phoenix, Ariz., recently. Here they are shown visiting one of the area's citrus farms.



VISIONS OF DAYS AFIELD are filling the thoughts of Orlando K. Tulk, formerly 2483-1, who recently left Sandia Corporation's Salton Sea Test Base at the age of 70. He started work at Salton Sea in 1947 for the AEC and in 1950 was employed by Sandia Corporation. He plans to do a great deal of hunting and fishing, using his large collection of guns and fishing tackle.



THIS GAY crew enjoyed the 1520 party held at Leonard's Restaurant shortly before Christmas. L to R they include Lt. J. D. Schlatter, his wife, Caroline Schlatter, 4222 (1512), Ray Lambert, 1521, and Chris Mielner, 4222 (1522). The event featured a Smorgasbord supper and dance.

Founded six years ago this relatively Small group today plays a vital role

AEC Sandia Field Office

Energy Commission employees drove onto Sandia Base past long rows of World War II barracks, hangars and fighting planes. They stopped before one of the barracks, unpacked their equipment and set up office. The Sandia Field Office of the Atomic Energy Commission was born.

In reality, founding of this new AEC organization wasn't that simple. The opening of the Field Office was another important step in the growth of the giant atomic energy program which now has a plant value of about \$4.6 billion.

The Atomic Energy Commission's Sandia Field Office administers the contract between AEC and Western Electric Co. under which Sandia Corporation operates a weapons development laboratory for the AEC.

Reports to SFOO

Sandia Field Office, headed by Daniel F. Worth, Jr., reports to the Santa Fe Operations Office located in Albuquerque and in effect represents the government in its relations with the contractor operating Sandia Laboratory

Field Office Manager D. F. Worth, Jr., known to his many friends as "Aggie," is a former Navy officer who retired with the rank of Commodore before taking up his duties with the AEC. The Assistant Field Manager of the Sandia Field Office is also a former Navy officer. A. E. Uehlinger was retired from the Naval Service in 1952 with the rank of Rear Admiral.

Four Branches

These two men head a smooth-operating field office comprised of the following branches:

Operations

Facilities and Property Management

Security

Administration

Each branch has specified duties -all pointing in one direction: to help expedite the Sandia contract through providing close coordination between the AEC and Sandia Corporation.

Let's take a look at these branches and see what they do - see how they

country.

Technical Phases

Concerned with administration of the technical phases of the AEC contract with Sandia Corporation is the Operations Branch. People in this branch work directly with the technical program of Sandia Laboratory-they are concerned with scheduling, procurement, production and inspection.

Headed by Robert L. Book, the branch also inspects weapon material, the group's engineers serve as technical advisors to the Field Office Manager and work with Sandia Corporation on procurement problems.

Construction Responsibility

The "house" in which we workand the AEC places a valuation of \$40 million on the Sandia Laboratory plant - is the concern of the Facilities and Property Management

H. G. Froelich is chief of this branch. New construction, improve-

One day back in 1947 two Atomic help the defense program of the ments and maintenance of present structures are all included in its sphere of responsibility.

Construction firms doing work for the AEC are well-acquainted with this branch - calling for bids and letting of contracts for Sandia construction are part of its functions. Included in its realm of responsibilities are all facilities at Sandia and at the Laboratory's Salton Sea Test Base in California.

Security Phases

The Security Branch of the Sandia Field Office is the "early bird" of all the branches here. First organized in 1947 - Andrew A. Walker, branch chief, and William C. Roussel were those two Los Alamos men who "pioneered" the AEC's move to Sandia - the branch has far-flung responsibilities in protecting the classified work of the Laboratory.

To grasp the extent of their job is to gauge the scope of secrecy in the atomic energy program. There is (Continued on page 5)



VIGILANCE, the watchword of security, is spelled in this picture of three members of the Security Branch. L to R: William B. Wilkirson, Robert E. Giles and Carrel K. Hale.



CONSTRUCTION of new facilities is explained to Margaret Caranta by Clarence R. Crawford, both of the Facilities and Property Management Branch.



PROBLEMS OF the Operations Branch are discussed by K. S. Spoon, Sandia Corporation, left, Charles Morrison, seated, and John V. Durant.



CLASSIFIED DOCUMENTS and correspondence control rests with the Administration Branch. Here a document passes from the Field Office to Sandia Corporation. L to R: Reinhardt Heuer, Noma Dee Tilley and James G. Marsh, Sandia Corporation.



BID OPENING, a part of the work of the Facilities In front of the interested contractors Paulyne Henry, and Property Management Branch, is pictured here.

right, reads bids while Pat Griffin, left, records figures.



SANDIA FIELD OFFICE staff members, above, head the office and the four branches of which it is organized. L. to R.: A. E. Uehlinger, Assistant Field Manager; Robert L. Book, Chief of Operations Branch; Henry

G. Froelich, Chief of Facilities and Property Management Branch; Andrew A. Walker, Chief of Security Branch; Eugene K. Snyder, Chief of Administrative Branch; Daniel F. Worth, Jr., Field Manager.

Photos Hodges and Dunlap

Young Mother—Stricken with Polio— Recognizes Symptoms from Booklet

Polio struck the Leonard DeLang home a week before Christmas. Here is what happened:

Len's wife Marjorie became ill with what appeared to be flu. After several days her condition didn't improve and she developed pains in her arms.

Studies Booklet

One day when Len returned home from work Marjorie showed him the Sandia Corporation booklet, "101 Questions and Answers about Polio," a book rack selection saved from last summer.

"I think we'd better call the doctor," she said. During the day Marjorie had felt much worse and when



here, helped Mrs. DeLang recognize her illness.

she checked her symptoms against the warning signs described in the booklet she became alarmed.

Goes to Hospital

Their doctor sent Marjorie to the hospital where tests proved that she had polio. For one week Marjorie was "isolated," then moved into a room where Leonard, who works in 2442, could visit her. Hot pack treatments and physiotherapy were begun.

"I was really worried," Leonard recalls. "We have two children, a 2-year-old and a baby only 5 months old, so the doctor gave them gamma

globulin shots right away. Marjorie's mother came here from Illinois to take care of them."

Polio Foundation Helps

"I had no idea what expenses would be involved. Soon the local office of the National Foundation for Infantile Paralysis called," Len explained. "Boy, were they nice . . . gave me the names of two other Sandia families who'd received aid last year. They told me not to worry one bit about the expenses of this case . . . they said I had enough other things to worry about now.

"They sent a form to the hospital for my wife to sign. I guess later on I'll sign someplace, too. They just okayed the treatment and said they'd take care of all that my hospital insurance won't cover.

"There was no red tape, they just went right to work. You can't imagine how wonderful it is to have folks like that to help you. They told me I needn't feel 'guilty' about inquiring about polio aid . . . said that's what they're there for."

Now She's Home

This week Marjorie is home from the hospital and her long recuperation begins.

Her right arm is almost completely well, her left is improving. Soon she'll be able to walk normally and her legs will be "as good as new."

Marjorie and Len feel they're pretty lucky that the effects are comparatively light.

comparatively light.

"There we were," Len says, "getting ready for Christmas just like everybody else... we certainly didn't dream this could happen to us. Even in previous years when we had contributed we never gave it a thought that we'd ever need the March of Dimes."

Four Fronts Against Polio — Their Costs

- 1. Polio Research (\$20,500,000)
- 2. Polio Patient Aid (270,000 have been helped Cost \$174,000,000)
- 3. Professional Education (\$16,200,000)
- 4. Polio Prevention (estimated cost is \$26,500,000 for 1954)

Polio Foundation Opens Fourth Front Against Disease in 1954: Prevention

The "Fourth Front" is heralded in the 1954 March of Dimes to strike at the core of the polio problem — PREVENTION.

Fight Epidemics

Injection of the blood fraction gamma globulin to halt epidemics will again be a major undertaking of the National Foundation for Infantile Paralysis.

The attack has been launched in two directions: First, tests of a trial vaccine will be conducted on a massive scale, with the participation of hundreds of thousands of school children. Secondly, because the results of the vaccine trials cannot be evaluated before another polio season has passed, every possible use will be made of GG to stop crippling epidemics.

Produce Vaccine

Here is what happens with GG. Huge quantities of all three types of polio virus are being grown in tissue cultures, then "killed" with formal-dehyde to produce a vaccine.

The resulting product must meet exhaustive safety tests before it is ready for use. So prepared, the virus is stripped of its potential to paralyze. Yet, when injected into the body, this now-harmless virus sets off an "alarm," warning the body to defend itself against the invasion.

Responding to this warning, the body quickly produces "antibodies," chemical substances which act against the virus.

Money Needed

When polio antibodies are produced by the presence of "live" virus, as in natural exposure to the disease, they normally remain in the bloodstream to give permanent immunity thereafter.

It is hoped that by innoculating humans with a "killed"-virus vac-

cine, the same long-lasting immunity will result.

But, to prove effective the trial vaccine must stand the test of time . . . and by next fall science should know if the polio incidence among the innoculated children was significantly reduced.

This research and application takes time—and dimes. Lots of them.

The field tests in PREVENTION alone will add 50 per cent to the over-all cost of operation of the National Foundation this year.

Along with the rest of the nation Bernalillo county residents are asked to "Give more in '54" — the need was never more urgent.

ASQC Members to Form Section Here

Members-at-large of the American Society for Quality Control will meet at the Coronado Club on Wednesday, Jan. 27, to discuss plans for organizing a New Mexico Section of the Society.

Heading the organizing committee is Phil Bircher, 1512. Others on the committee are: Al Hurford 1512, secretary; Ed Clamp 1522, Douglas Ballard 1513, Dan Sheldon 2544, Jack Wiesen 1513, Chet O'Neal 1513, Aldis Hayes 1512, A. F. Cone 1510, and Harlan Kelsey 1512.

Weddings

Doris M. Wallace, 2342, became the bride of John P. Brothers, E.M.C., U.S.N., Dec. 19. Mr. Brothers is now on duty aboard the U.S.S. Hornet.



MARJORIE AND LEN DeLANG enjoy a chuckle over some of the clever get-well cards she received at the hospital. Marjorie, a former Corporation employee, is a cheerful March of Dimes patient now receiving care and therapy while at home with her family.

MORE

around the departments

The regular monthly birthday party for 2223 this year was held in conjunction with the noon-time Christmas luncheon Dec. 24. Dorothy Washburn and Sam DeHaan were the honorees at the event and among the guests were R. J. Hansen and C. J. McGarr.

Many of Division 2223 traveled to visit friends and relatives over the holidays. Ernest J. Tavasci visited with his family in LaJara, Colo., and William B. Dupree visited his sister in San Angelo, Tex. Gilbert Atencio picked Phoenix, Ariz., "where it was warm," he reports, and Reynaldo C. Gonzales spent Christmas with his parents in Las Vegas, N.M. Fred Koehl's holiday was made more cheerful when his son, Candido, arrived home on leave from the Air Force.

The son of J. M. Miller, 2351-1, and Mrs. Miller, David W. Miller, formerly of 1932-1, completed his basic training at Ft. Bliss, Tex., recently and arrived to spend the holidays with his parents. Dave is now stationed for a brief tour of duty at Sandia Base.

Joseph K. Rutledge, 2351-2, is sporting a handsome new Dodge pickup.

Bobbie O. Allen, 5431-2, spent the holidays with his mother in Versailles, Ky., returning with a new Chevrolet.

Oklahoma City was the holiday destination for the Carl Srygley family. Carl works in 5431-2. R. J. McConkie, also of 5431-2, and his family, spent Christmas with his parents in Silver City, N.M.

Margaret Whalon, 2523-1, and her family moved last week into their new home in the Snow Addition.

Holiday vacationers from 2464 included Shirley McKain, who visited her parents in Kansas City, Kans.; Viola Maestas, who went to Espanola, N.M., to spend Christmas with her family, and Arline Armbruster, who spent the Christmas weekend with her parents in Austin, Tex. Anna Martinez, 2464-2, enjoyed a holiday visit from her daughter who attends school in Taos, N.M.

Now at home at 1503 Wyoming Blvd. NE are Mr. and Mrs. Howard T. Stump, Jr., who were married Dec. 22. Mrs. Stump was formerly attached to the Australian Embassy and British Joint Staff Mission in Washington, D.C. She is a native of England and returned recently from visiting with relatives in England and Scotland. Howard, who works in 3151, joined Sandia Corporation a year ago.

Enjoying Christmas vacations in Colorado were these Sandians from 2335: C. T. Garringer, R. R. Wynant and C. C. Hunt. The Paul Morgan family spent their holiday in Indiana.

The Ladies Sing Sweet Adeline Too

Calling Lady Barbershoppers!

Charlotte Hoover, 2544, a member of the board of directors for the newly chartered Albuquerque Sweet Adelines Club, announced last week that the group is making a concentrated membership drive this month.

The local club, a branch of the national chapter, now has 24 active members and is seeking more voices to form larger choral groups. Meetings are each Wednesday at the Guarantee Life Insurance Building, 2121 Lomas, NW.

Charlotte has appeared on radio and TV with a quartet from the Sweet Adelines, and she says plans are underway now for further participation on TV of the larger group.

She may be contacted after 6 p. m. at Alb. 6-7770.

Congratulations

BORN TO

Mr. and Mrs. J. P. Wakeland, 1917, a daughter, Meredith Ann, Dec. 11.

Mr. and Mrs. Harry Roberts, 5434, a daughter, Robin, Dec. 22.

Mr. and Mrs. G. B. Drummond, 1931, a daughter, Sarah Jane, Dec. 6.

Mr. and Mrs. Melvin N. Pliner, 1633, a son, Jerome Rudolph, Dec. 24.

Mr. and Mrs. Frederick Vishaway, 2472, a daughter, Pamela Sue, Dec. 26.

Mr. and Mrs. Frank Shelton, 5111, a daughter, Gwendolyn Elaine, Dec. 11.

Mr. and Mrs. George Pacheco, 2352-1, a daughter, Eileen Frances, Dec. 1.

Mr. and Mrs. John Magistad, 5131-1, a daughter, Jan Arlene, Dec. 26.

Mr. and Mrs. Jimmie Winters, 2418, a daughter, Kathryn Ann, Jan.

Mr. and Mrs. Don Wanner, 1621-1, a daughter, Nancy Elizabeth,

Mr. and Mrs. Ralph Fisher, 1621, a son, Brian Thomas, Dec. 31.

Mr. and Mrs. Chuck Taft, 2111-2, a son, Ronald Bradford.

Mr. and Mrs. Tony Lopez, 2111-3, a son, Daniel, Dec. 29.

Mr. and Mrs. Philip Park, 1641, a son, Gregory, Dec. 14.

Mr. and Mrs. Estanislado Torres, 1641, a son, Ernest Andrew, Dec. 20.

Mr. and Mrs. James McIntire, 1643,

a son, Charles Daniel, Dec. 30.

Mr. and Mrs. Roy Tackett, 1631,

a daughter, Holly Jeanette, Dec. 30.

Gem Collection Topic For Local Rockhounds At Tuesday Meeting

"Gem Collecting in Old Mexico" will be the topic when the Albuquerque Rockhounds Club meets Tuesday, Jan. 19, at the University of New Mexico Geology Lecture Hall, 7:30 p.m.

The speaker will be Oscar Branson, a collector and dealer in turquoise and gem stones. He trades with New Mexico Indians and does much of his own gem polishing and cutting.

Chairman Vic Engle, 1263, will preside at the meeting.

Tale of a Kitten's Tail Winds Up With A Tail-less Kitten

Dorothy Reinertson missed her new kitten, "Sammy," recently, so she hopped in the family car and took a turn around the block trying to locate him.

As she returned to her house she noticed an "irregularity" in the motor. Investigation under the hood showed a loosened fan belt and a very sad, tail-less "Sammy."

The "vet" took good care of the new kitten and he's back home again recovered, but resembling a small bear rather than a feline now that his tail is no more.

Promotions

GEORGE E. THORNE to section supervisor, 1942-1. George joined us in 1951 after five years in business



Albuquerque.
George spent
four years in the
Air Force and
before that
worked a year
and a half as
collection manager in charge of
five states for a

for himself in

Texas concern. Previously he worked five years as announcer and writer for KIUJ Santa Fe, KGGM Albuquerque, KVSF Santa Fe as assistant manager, and KOB Albuquerque. While with KIUJ George also attended the University of New Mexico.

HARRY K. DANIEL to division supervisor, 1713. Harry came to Sandia in 1951 following five years

with Chrysler Corp., Detroit, Mich., as assistant director of the Chrysler Institute of Engineering graduate school. For two years before that he was an electrical tester at General Electric,



General Electric, Ft. Wayne, Ind., at the same time attending Indiana Technical College, earning a B.S. in electrical engineering. Earlier he received a B.S. in physics and journalism from Butler University. Harry also ran an 80-acre farm, trading dairy cattle, for seven years.

IVAN M. MOORE to department manager, 1710. Ivan has been with the Laboratory since 1948. The year



before joining us he was in Civil Service on the Base and prior to that spent a year with the Army Manhattan Engineering District as a training officer. He helped initiate

the technical training program here at Sandia. Ivan was in the Army a total of four years. Previously he taught at an Air Force technical training school, Sioux Falls, S.D., for a year. Earlier he spent three years as a high school science teacher at Lake Mills, Ia. For a year Ivan was a graduate assistant at Iowa State Teachers College teaching physics and chemistry. He has a B.A. in chemistry and physics from Iowa State Teachers College.

Mobile Radio Fans Meet on Airways for Their Wednesday, Jan. 20, Get-together

A regular on-the-air meeting of the Amateur Radio Caravan Club of New Mexico will be held Wednesday, Jan. 20. Members conduct their meetings by contacting each other on two-way radio transmitters installed in their private cars.

The club was organized after columnist Will Harrison stated there were few hams in the state with mobile transmitters. The radio amateurs refuted his statement by apearing en masse at his home in Santa Fe.

There Harrison bestrode a transmitter-equipped donkey and literally ate his words.

Has 30 Members

Shortly afterwards Brooks Braffet, 5413, started organizing the club, which now has about 30 members, 20 of them in the Albuquerque area. They are affiliated with Caravan Clubs in Texas, Oklahoma and Louisiana.

Recently local members of the New Mexico club were sworn in as Bernalillo County deputy sheriffs. They will use their radioequipped cars to aid law enforcement officers in any emergency.

The club meets on the first and third Wednesday of each month and on alternate Wednesdays members meet briefly with a roll call over the air.

Radio Exercises

The regular meetings start at 7:30 p.m. and consist of a variety of radio exercises. They have transmitter hunts in which one member will emit regularly spaced signals while the rest of the club scours the city, using home-made directionfinding equipment, until one of them locates him.

At other times they hold simulated emergency drills or evaluation drills to find out how far they can work from car to car on the different amateur bands.

Brooks Braffet is Caravan Master and Joe Knight, AEC, is Emergency Caravan Master and Net Control. Secretary-Treasurer is Joe Brand of Albuquerque, Earle Fletcher, 5412, is Program Director and Loren Watkins, Jr., 1512, is Assistant Program

(Continued from page 3)

Sandia Field Office Does AEC Liaison

the extensive clearance program of all Sandia Corporation employees. All Laboratory employees, as well as the employees of the AEC, have been the subject of loyalty investigations by the government.

Security programs of the vendors serving Sandia Corporation have been established by the branch.

Sandia's field operations are assisted by the watchful eye of the Security Branch. The branch also supplies courier service for transport of highly classified documents and materials between various installations.

Sandia Laboratory technical area badges and ID cards are issued by the branch. There are also programs for physical security, security education, document accountability and information control under this branch.

Administration Phases Helping tie all these branches together, handling personnel, central records files and mail, is the Administration Branch - it is what you might call the "business office."

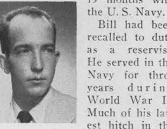
The Administration Branch, headed by Eugene K. Snyder, operates in cooperation with Sandia Corporation in planning and reporting costs pertaining to the Sandia program. This close liaison between the AEC and Sandia Corporation results in better understanding of mutual budget and accounting problems.

Put all the diversified functions of these branches together and you have the Sandia Field Office of the Atomic Energy Commission.

The comparatively small number of people in this organization are putting their collective energies toward maintaining an efficient, smoothly operating relationship between the Atomic Energy Commission (Uncle Sam's fastest growing business) and Sandia Laboratory.

Bill Chown Back at Work After Ending Navy Tour of Duty

William H. Chown came back to the Laboratory recently after serving 19 months with



Bill had been recalled to duty as a reservist. He served in the Navy for three vears during World War II. Much of his latest hitch in the

Navy was spent with a special weapons unit on Sandia Base. He also served part of the time on sea

Bill is married and lives in

Joint Council To Discuss Monthly **Group Publication**

The Council of Technical and Scientific Societies' board of directors will meet Tuesday, Jan. 19, in the Coronado Club at 5:15 p. m. to discuss plans for a monthly publication aimed at member societies.

Max Weber, 5132, and Nick Sannella, 5424, have been named co-editors of the prospective publication. Ed Miller, 6010, will be advertising man-

Presiding over the meeting will be Fred Deiber, 5342, Council president and member of the American Society of Tool Engineers.

Bob Spence Presides Over Toastmasters At January Meeting

Robert Spence, 5221, will be Toastmaster for the evening when the Sandia Toastmasters Club convenes on Thursday, Jan. 21, for a dinner meeting at the Coronado Club, 6:30 p. m.

The Topicmaster will be Edward Roth, 1643, and the invocation will be given by Douglas Macrae, 3171.

Speakers scheduled for the evening are R. J. McConkie 5431, E. A. Carr 5420, Ellis Turner 1623, and Gordon

Two minute evaluations of the seven minute speeches will be made by Ralph Wilson 1261, Don Jenkins 3154, William Bramlett 2452, and Earl Craven 2443. Nate Wineberg 2553, will be alternate evaluator.

The general evaluation of the meeting will be given by L. W. Newhouse,

Welcome!

Newcomers

A welcome is extended to the following newcomers who joined Sandia Corporation between December 9 and

August E. Binder, Jr	.1213
Arthur C. Grover	1241
Arthur C. Grover William E. Meahl	1521
Clarence A. Davidson	1622
Juan R. Abeita	1643
Charles F. Maase	
Myrtle P. Patterson	102/
Iames M Divon	1031
James M. Dixon Caroline M. Whittingham	2111
William C. Randolph	2122
Sarah Long	2471
Sarah Long	2521
Frances W. Sterling	2523
Mary A Sanchez	3153
Mary A. Sanchez Roberta Spelts	3157
Thomas M. Bozone, Jr.	1040
Grace L. Neiman	2122
Marion D. Nesbitt	2362
Isias F. Chavez	2410
M. Katherine Teske	
Beverly B. Tallman	2521
Wilbur E. Henry	2544
Clorin A Pagers	2544
Gloria A. Rogers	2151
Maria F Ditta-	4220
Marie E. Dillon	4222
Mae M. Lark	4000
A. Margaret Smith	
John N. Findlay	.5331

The Physics and Chemistry Departments of the University of Manitoba, Canada, have jointly developed a new carbon dating process. Using it makes possible to date any carbonbearing matter from as far back as 40,000 years, and for average samples, within 10 years of actual age. (New York Times)

University of New **Mexico Community Evening College**

Registration: Both credit and non-credit courses, Saturday, Feb. 6, 2-5:30 p.m. Mitchell Hall.

Bulletins of the Community Evening College listing all courses offered, both credit and non-credit, may be secured at Employee Services, Training and Public Relations Department, Bldg. T-301.

Evening Credit Classes

Business Administration

Intermediate Accounting
Cost Accounting
Income Tax Accounting
Advanced Accounting
C.P.A. Review
Business Law
Corporation Finance
Transportation
Office Machines and Filing

Economics

Introduction to Economics Transportation Public Finance Institutional Economics

Chemical Engineering

Electrical Engineering

Principles of Electronic Circuits I
Principles of Electronic Circuits, Lab I.
Servo-Mechanisms
Symmetrical Components
Network Synthesis
Electronic Circuits II
Microwave Electronics

Mechanical Engineering Advanced Thermodynamics

Mathematics and Astronomy

Introduction to Mathematics and Astronomy
Descriptive Astronomy and Meteoritics I
Intermediate Algebra
College Algebra
Trigonometry
Analytical Geometry
An Introduction to Calculus
Advanced Calculus
Partial Differential Equations
Modern Algebraic Theories
Calculus Variations

Physics

Physics

Heat Laboratory
Electricity and Magnetism
Methods of Theoretical Physics
Contemporary Physics
Seminar
Quantum Mechanics Atomic Structure Advanced Seminar

A complete list of the credit course offerings at the University for the coming semester and all other pertinent information may be secured from the office of admissions or the extension office in the Administration Bldg.

Non-Credit Classes

Monday

Anatomy for Lawyers	\$12
Arc and Acetylene Welding	10
Beginning Painting and Design	12
Ceramics	
fundamentals of Real Estate	10
nterior Decorating	10
andscape Gardening in New Mexico	7
Personnel Management Workshop	10
Residence Estimating	10
Sewing (Intermediate)	12
Spanish (Beginning I)	12
Cechnical Writing	10
Tuesday	
Arc and Acetylene Welding	10
Cencing	10
Diagton and Comments	- 0

Fencing
Fiestas and Ceremonials
Fishing in New Mexico
French (Beginning I)
Investments and Sccurities
Photography Workshop
Popular Approach to Art History
Portrait Painting
Sewing (Beginning)
Slide Rule
Spanish (Beginning II)
Vocabulary Building

Wednesday

Advertising Layout \$1 Creative Writing 2 Dance Band Arranging 1 Figure Drawing for Fun and Profit 1 Folklore of the Southwest 1 General Insurance 1
German (Beginning 1)
Jewelly Making
Minerals and Rocks
Personality Workshop
Photography (Advanced)
Real Estate Law
Woodwarking
Woodworking
Thursday
Accounting for Small Businesses \$10 Better Reading Ability

Better Reading Ability.
General Crafts
Interior Decorating
Landscape Painting
Publicity for You and Your Clubs.
Public Speaking
Selected Short Stories
Spanish (Beginning I)
Tailoring

Jacques Head of Special IRE Group

Robert B. Jacques, 5412, was recently elected chairman of the Institute of Radio Engineers' Professional Group on Antennas and Propagation,

Other officers elected by the Group were Sheldon Dike, 5133, vice-chairman; and Robert B. Wilds, 5421, secretary-treasurer.

Congratulations!

Sandia Corporation employees may well be proud of the letter, printed below, which was received from the Red Cross

In responding so generously to the call for blood our employees set a new state record for donations in one day.

AMERICAN RED CROSS Bernalillo County Chapter 1031/2 Central Avenue, NW Room 17 Albuquerque, New Mexico December 22, 1953

Mr. J. W. McRae, President Sandia Corporation Albuquerque, New Mexico Dear Mr. McRae:

On behalf of the Bernalillo County Chapter, American National Red Cross, I wish to extend my appreciation to the personnel of Sandia Corporation who have contributed to the success of the Red Cross Blood Program. The success of such a program depends upon the concerted efforts of many people.

We particularly wish to recognize the services of Mr. Robert A. Knudson, who so ably assumed the responsibility for the administration of the Blood Program at the Sandia Corporation this past year. It has been a pleasure to work with Mr. Knudson and the personnel of the Corporation. Our work would be difficult indeed without such fine cooper-

May we wish your entire group everything this wonderful holiday season may bring.

> Very sincerely, Carl H. Feak Chapter Chairman

Informal Dance at Club Tomorrow; Special Dinner on Bingo Night

The Phil Graham Orchestra will appear at the Coronado Club tomorrow night for an informal dance. The entertainment will be from 9 to 1 with admission set at 50 cents per member, \$1 per guest.

Square dance instruction is slated for the next two Mondays in the month. Lessons will be given from 8 to 10 p.m. On Friday, the 22nd, a regular square dance to recorded music will be held in the ballroom from 8:30 to 11:30 p.m.

Bingo Night is the 20th. Free wine is still being served with the special 75 cent spaghetti dinner on Bingo

The Club has duplicate bridge scheduled for Thursday the 21st and 28th. The charge is 40 cents per player and play lasts from 7:30 to

On Saturday, the 23rd, a juke box dance will be held in the ballroom

Arthur Murray dance instruction, at 50 cents per person, is on the calendar for Friday, the 29th, from 8 to 10 p.m. At the same time Mike Michnovicz, 2462, will entertain on his accordion in the Cocktail Lounge from 7 to 11 p.m.

Dog Training Class Begins this Month

Bill Barth, 5432, president of the Sandia Dog Obedience Club, has announced the beginning of a new training class to start Monday, Jan. 18, 7 p.m. at the Girls' Gymnasium at Albuquerque High School.

The course, which includes 10 weekly meetings, is open to any dog six months of age or older who has had permanent distemper "shots."

Mrs. Joseph Kavanaugh, club secretary, is accepting registrations at

Sympathy

His co-workers in 2100 extend their sympathy to Lorenzo Garcia, whose father-in-law died last month.

Sympathy is expressed to Cecile Hawk, 1633, whose grandfather died recently.

Sympathy is extended to the family of Peter J. McKenna, a Corporation employee since June, 1951, who died Jan. 9 after a short illness. Mr. McKenna was assigned to 2462.

Climbers to Tackle 8000-Foot Mountain

Spectacular Cabezon Peak, about 75 miles northwest of Albuquerque, will be the destination of the New Mexico Mountain Club on Sunday,

A caravan of climbers will leave from the Nob Hill Drug Store at 8 a.m. headed for the 2.000-foot peak. Leader of the trip will be Paul Stewart of Albuquerque.

Climbers will bring their lunch and water. It is expected they'll be back in Albuquerque by 6 p.m.

Those interested should contact Hank Tendall, 1211, at ext. 23195 after 5 p.m.

Basketball Standings

Team																					V	Von	Lost
Boilermak	er	S					į,			ď							ļ,		J			6	0
Hoosiers	23		Š				4	Ų.			(N)		*		ļ	į,		3			3	6	1
Spartans	85	0,1					585					×		00			÷		Ġ,		į.	5	1
Wildcats								Ü	ï	,			Ø	ij	ï	w			÷		14	4	2
Hilltopper	S			4			ĕ	ě					Ž								V.	4	- 2
Buckeyes																						3	3
Gophers .	33		ã		Ų.		ä		į.			ă	Ç			Ţ		3	GĮ.	2		3	3
Illini			3	i.			S					ä		٠					1	g.	1	3	3
Irish		600							Ų,			i.	Ü,									1	4
Badgers					ĕ	6	ě	3	ă	ì	Ä	P	ŝ	Ü	ï	Ñ		ú	V	g	1	1	5
Hawkeyes					(4)		-	43						4	4	÷				(4)		0	6
Wolverine	S				Q		A			40	(A)			Ů.								0	6



A FAMOUS background is used by Marvin Ozmun, formerly of 1641, in this snapshot of him. Marvin is stationed in Naples, Italy, with the Signal Corps. A draftsman at Sandia, he continued the same work when he entered service in September, 1952. His address: Pfc. Marvin Ozmun, US 18373072, Box No. 12, CINC-SOUTH, c/o FPO, New York City, N.Y.



CLASSIFIED ADVERTISING
Classified advertising is printed in the Sandia Lab News as a service to Sandia Corporation employees and employees of the AEC on Sandia Base. There is no charge for publishing the advertisements.

Advertisements must be submitted in writing and contain the name, organization, home telephone number and base extension of the advertiser.

Each advertisement will be run one issue. Deadline: Friday noon, one week prior to date of publication.

Next Deadline: Noon, Jan. 22

FOR SALE-

OR TRADE: 1949 Cushman Motor Scooter, completely overhauled. Dick, ext. 44272 after 5.

HOUSETRAILER, '51 Royal Spartanette, 35-ft., 1 bedroom, modern, includes cooler; buy equity, assume payments. Houston, ext. 36160.

THREE BEDROOM brick home, 134 baths, paved, walled yard, lawns front and rear, trees, near bus, schools, vicinity of San Pedro Drive and Constitution Ave. NE. Goodman, Alb. 5-0675.

TWO LIMED OAK step tables, end table \$15, corner table \$18, or both for \$28. Peak, Alb. 5-9773.

1941 DE SOTO sedan \$175 (price subject to negotiation), terms or trade for later model small car. Moon 2516 Gen. Arnold NE, Alb. 6-2373.

GAS RANGE, Magic Chef, 2 years old \$75. Benedict, Alb. 4-4990.

WESTINGHOUSE roaster, used only 3 times, \$30. Brian, ext. 33141.

HOME in Tijeras Canyon, 300 yds. from U. S. 66, 10 minutes from East Gate, ideal for bachelor or couple, rock construction, enclosed patio, all modern conveniences \$8500, \$1000 down. Eggert, ext. 32155.

TWO TRUCK or bus tires, 10 ply, 825-20 with tubes and wheels, both for \$40. Chavez, Alb. 5-5461.

1947 CHEVROLET, clean, reasonable. Lambert, ext. 24154.

1942 CHEVROLET Club coupe \$200, can be seen at 32 Claremont NW. E. Sanchez, ext. 32149.

TWO-WHEEL TRAILER \$20, can be seen at 2621 Indiana NE. G. Ramirez, ext. 32149.

1942 CHEVROLET truck, ½-ton pickup, complete overhaul, new tires and battery; also Coldspot deepfreeze, 14-cu. ft., brand new, warranty included. Van-de-Velde, Alb. 5-8174.

WILCOX GAY two-speed tape recorder, cost \$179,95 new, used once, will sell for \$110; also Red Fox chubby, size 12 \$35. Tele, Alb. 6-7934.

G. E. PORTABLE dishwasher \$65. Stockton, 8507 Menaul Blvd. NE, Alb. 5-7973.

SPEED GRAPHIC, anniversary model, 2¼ x 3¼, Ektar 4,5, supermatic flash shutter, Kalart range finder, Graphlex Flash unit \$175. Wood, Alb. 4-5128.

QUARTER HORSE cow pony, in very good health, can be gentled with some riding and trained for children \$100. Berg, ext, 20155.

HOFFMAN home Royale, by owner, three bedrooms, 134 baths, garage, air-conditioning, dishwasher, disposal, lawn, wall, etc., 8916 Candelaria Rd. NE after 5:30 p. m. weekdays. Humphris.

TRAILER, 3½ x 6 ft., two wheel \$50. Deurmeyer, Alb. 5-7422.

BOXER mixed breed puppies, fawn, male and female, 6 weeks old \$5. Keeports, 1716 Bryn Mawr Dr. NE, Alb. 6-1741.

1954 40-ft. trailer home, will take furniture, car or light truck. Brooks, 8404 Central East, space 29.

CHEVROLET car radio \$15. Saunders,

SOFA AND CHAIR, blue mohair frieze. Stoddard, 3116 Alvarado NE, Alb. 3-3164.

THREE BEDROOM pitched roof home, 3 blocks south of Ridgecrest Drive, living room with picture window and fireplace, dining room, utility room, attached garage with storage room, hardwood floors, land-scaped, sprinkler, patio, children's play equipment, convenient to schools and shopping, immediate possession with \$1000 down payment. Adams, Alb. 6-7265.

1942 STUDEBAKER Champion, heater, di-rectional lights. Hills, ext. 21146 after 5:30.

NEW ELECTRIC heater with fan \$11. Trujillo, Alb. 5-9049.

1948 CHRYSLER Windsor, R and H, one-owner car. King, 4704 Trumbull SE, Alb. 6-1336.

THREE BEDROOM home, attached, garage, 134 baths, brick, located in Hoffmantown on the park, landscaped, sprinklers front and rear, tile wall, patio, and the park of the standard washer. wall-to-wall carpeting, automatic was drapes, combination planter-bookcase vider, less than two years old. Richard 8715 Fairbanks Rd. NE, Alb. 6-4149.

LADY'S FUR COAT, size 14, stroller length, golden oppossum \$50. May be seen at 4021 Avenue La Resonala NE. Officer, Alb. 6-0337.

BLOND DOUBLE BED, complete \$44.50; also army O. D. overcoat \$9.50, brown 34 length topcoat \$11,50, green sports coat \$6, brown sports coat, \$6, two grey sport coats \$4 and \$2, all size 38. Davies, 7520 Prospect Ave. NE, Alb. 6-5068.

TWO MALE black and tan German shep-herd puppies from championship lines, AKC registered, excellent prospects for show or home \$100 each. Durand, Alb. 3-6982, 1201 Vassar Dr. SE.

RUG, all wool, hair and jute pad \$50. Dark blue davenport, matching chair \$65. New car top carrier with plywood bottom \$10. Electric flatiron \$3. Hall, 2708 Graceland Dr. NE.

COMPLETE printing outfit, 6 x 10 two roller hand operated letterpress, more than \$100 worth of type, complete set of accessories, prints, letterheads, programs, tickets, etc. \$100. Shew, ext. 22156 or 1508 accessories, prints, letterheads tickets, etc. \$100. Shew, ext. & Katie St. NE in Snow Heights.

HAMILTON gas clothes dryer with ultra violet ray lamp, used one year \$200. Ewald, ext. 31162.

TWO BEDROOM home, utility room, tiled bath, kitchen and hall drapes and venetian blands, glass lined water heater, paved street, close to Central NE, no down payment to responsible party. Lovato, Alb. 5-3089.

Weight lifting bar bell set 220 pounds, consists of barbell, dumbells, iron boots, head strap, wrist roller \$40. Park, Alb. 4-5522.

FIVE DECK broiler plant, thermostatically controlled, will start 100 chicks. Warrick, Alb. 4-5057, 1009 Major Ave.

VENETIAN BLIND, 88 x 55 inches \$11. Bob Liebman, Alb. 5-6812.

MAMIYA 35-mm. camera, Similar F 3.5 lens, built-in viewfinder, aperature openings 1 sec. to 1/200 sec., time and bulb, filter set, with adapter, auto-up for close work, portrait shade and 75 ft. B and W bulk film, with carrying case \$55; also flat iron and 1-qt. electric Hamilton Beach icecream maker. Hein, ext. 5-2198.

MAGIC CHEF gas range \$55. Van Gundy, evenings call Alb. 2-1047.

WASHER, Easy Spin Dryer \$57, or will trade for guns or sleeping bags. Martin-son, Alb. 3-6901.

10 ACRES in Manzano Mountains, 2½ miles off Highway 10. Jamison, ext. 3-1193.

COUCH, for living room or den, makes bed, clean brown flowered covering. Harris, Alb. 4-0145.

1931 MODEL A Victoria ,with extra B-model engine, high compression head on B Model \$96. Brumley, ext. 3-0154, 8926 Fairbanks NE.

MAPLE BED, box springs and mattress, bedspread, dresser, chest and night stand \$100. Barth, Alb. 6-1014.

WANTED-

RIDERS from vicinity of West Central and Rio Grande Blvd. through Central to Her-mosa, south to Gibson to South tech gate. Silva, ext. 20253.

THREE PERSONS to form 5-man car pool from vicinity Rio Grande Blvd. and Candelaria Rd. to tech area gate 4. Galbreath, Alb. 4-4306.

GIRL to share lovely new two bedroom studio apartment, also will share ride to vicinity of Bldg. 880, Patti Paulston, Alb. 6-5006.

RIDE from Grand and Oak to Bldg. 800. Drop baby at sitter's on the way. Margie Thibodeau, ext. 27250.

RIDE from 1605 Isleta SW (Isleta Hwy, and Arenal Rd.) to tech area or Bldg. 892. Carolyn Herring, ext. 25139.

HOMES for 9 collie pups, free. Garriott, 465 62nd St. NW, ext. 35147.

RIDE to vicinity of Chicago or Detroit, leaving on or soon after Jan. 29. Hum-phreys, ext. 21253.

SMALL electric drill, gun type, ½-in. chuck or smaller. Johnson, Alb. 5-9443.

RIDE from 11th St. and Mt. Road NW to Bldg. 880, two girls. Angie Fernandez, ext. 32141.

TO FORM car pool from vicinity 1600-block Utah NE. Roherty, ext. 32257.

BABY SITTING evenings and weekends, live on base, Rinn, ext. 27285.

RIDE from 3700-block Campus NE to Bldg. 880. Charles Sanchez, ext. 25236.

RIDE from Ridgecrest and Washington to north side tech area. Pat Farley, Alb. 5-6496 after 5:30.

RIDERS from vicinity of Blake Rd. SW to north tech area. A. Jones, ext. 32253.

GIRL to share large, nicely furnished apartment with two other girls, NE heights. Merry Crampton, Alb. 6-4603.

RIDE from 1600-block Central or Coal SE to Bldg. 880. Dunlap, ext. 29232.

RIDE from Kathryn and Georgia SE to Bldg. 880. Andrews, Alb. 6-7328.

RIDE from Snow Heights No. 1, Hannett St. to Bldg. 800. Muriel Sperzel, ext.

RIDE from 904 Wilmore Dr. SE (Just off Yale) to 880. Kelly, ext. 24259. RIDE from 919 Vassar Drive NE. Jo Abraham, ext. 22232.

RIDE from 1400 Carlisle Blvd. SE to Ad. Bldg. Marian Nesbitt ,ext. 35237.

RIDE from Sycamore and Coal to Ad. Bldg. Norene Connelly, Alb. 2-9556. RIDE from Purdue Pl. NE to Bldg. 832. Blanche Calloway, Alb. 5-2144.

To JOIN car pool from vicinity 1000 block Indiana SE to 880. Weibell, ext. 21232. DRIVERS for car pool from Moon and Matthew NE to 800. Sundberg, Alb. 6-4955.

RIDE from 1424 Amherst Dr. SE or Amherst and Gibson to tech area gate 7. Connie Curtis, ext. 33162.

FOR RENT-

BACHELOR apartment, completely furnished, utilities paid, private entrance, maid service Saturdays \$55 per month. Sylvester, 1605 Columbia Dr. SE, 4 blocks north of Acapulco Swim Club, ext. 25991. LARGE DOUBLE bedroom, twin beds, new home, 1329 Wellesley Dr. NE (North Constitution) Alb. 5-1683.

MODERN furnished apartment, new frigid-aire and range \$30 plus light and gas. Lopez, Alb. 3-3830.

ROOM for bachelor in Snow Heights, kitchen privileges, 8007 Aspen Dr. NE. Hevert, Alb. 5-4570.

NEW TWO-BEDROOM home with or without range and refrigerator, 9500 Claremont Ave. NE. Springer, Alb. 5-0697.

TWO BEDROOM home, attached garage, 2 blocks from Emerson school, 4 blocks from Highland, 2 blocks from shopping center, 5007 Southern Ave, SE. Green, Alb. 6-5967.

TRADE-

MY EQUITY in '49 Olds 88, fully equipped, for a '47 or '48 model car in good condition, \$349 balance on Olds. Hevert, Alb. 5-4570.

LOST-

SILVER DANGLE earring in tech area. Coombe, ext. 22256.

10 More Days Left To Enter Bowling **Tourney at Club**

Only ten days remain for bowlers to enter the second annual Coronado Club handicap bowling tournament to be held Feb. 6 to Feb. 14.

Bowlers must have an established ABC average for at least 21 games by Jan. 22 and must be members of the Coronado Club at the time the tournament begins to be eligible.

Five man, two man, and individual events will be held. The entry fee per individual for each event is \$2.25 with an additional 25 cent charge for all

The handicap will be based on 75 per cent of the difference between a bowlers average and 200. Special prizes will be awarded to high scratch games.

Entry blanks may be obtained from Charley Kasper, Bldg. 832, ext. 24265 or from Dick Heim, Bldg. T-301, ext. 29157. Entries will close at 5 p. m. Monday, Jan. 25.

G. I. News-

From Sandians in The Armed Forces

Recently visiting in Albuquerque, Lee Crawford, formerly of 2142, and now on duty with the Air Force in Florida, dropped in at Sandia Laboratory to pay his former co-workers a visit. Lt. Col. Crawford, assigned to Patrick Air Force Base, Fla., still reports that when he leaves the service he'll settle anywhere, "as long as it is within 10 miles of the intersection of Second and Central."



FROM KOREA, where he is seeing duty with an anti-aircraft unit, comes word from Harlan W. Richardson, who is on military leave from Sandia Corporation, 2461. He extends an invitation to his former co-workers to write him. His address: Pfc. Harlan W. Richardson, US 54075640, Hq. Btry. 82nd AAA (AW) Bn. Sp., APO 248, c/o PM, San Francisco, California.



GEM AND MINERAL conoisseur Ralph Calvert examines a few specimens from his collection which is housed in his new hobby studio.

Calverts Rode Their Hobby Right Into a New Room for Their Home

Ralph Calvert, 3152, says if his wife takes on any more hobbies he'll have to hire someone to help her work at them.

Hobbies Galore

Dorothy Calvert makes jewelry. She braids rugs. She paints . . . and gardens. Dorothy also knits, makes her own bread, collects records, does her own interior decorating and raises unusual house plants.

Volunteer work with the cerebral palsy group and her church's "Newcomers Club" are two more activities that occupy this busy lady. And, like any mother, Dorothy Calvert finds that Carolyn, 11, and Carl, 9, need their full share of her hours,

With all of these interests and activities, Dorothy still has time to join Ralph in amateur photography and rock and mineral collecting. Together they work with jewelry design. Ralph polishes the stones and Dorothy turns out the finished

Here's the Start

Their mutual interest in photography was the spark that started plans for the Calverts' new hobby house.

At first they decided to build a small darkroom. Then they decided that an extra room for housing jewelry-making tools would be nice. Of course, if the room were big enough they could display their extensive gem and mineral collection ... and from there it grew.

The new studio on the Calvert property is a fascinating spot. It's become the hub for all of the many hobbies this vital Sandia family enjoys.

For Youngsters Too

Here Dorothy sews and braids her lovely rugs, works with silver and stones, pots plants or turns out handsome water colors. Ralph's gem polishing machinery is here and the darkroom and storage room adjoin. It's a room to loaf in, too. The children's tropical fish are here (the Calverts are afraid that's going to become another family hobby) and the chaise lounge and comfortable



Photo by Hodges

THIS IS Mrs. Calvert in the hallway of her home where the floorrunner is a handmade braided rug in what she terms a "flying saucer" design. Many of the attractive items in the Calvert home were made by hobbyists in the family.

divan make it a grand room for entertaining or putting up an occasional overnight guest.

Next spring the studio picture windows will look out upon flowers, shrubs and vines that'll reflect the Calverts' gardening know-how. "I belong to the Uptown Garden Club," Dorothy explains, "and I like to work with flowers. Of course Ralph does the heavy work."

Go Into Field

Their gem and mineral collecting hobby often takes them into the field weekends or for longer vacation camping trips. "Some of those specimens in the cabinet were found by the children," the Calverts tell you. "They make good 'rockhounds' -maybe it's because they're closer to the ground!"

Not only in the new hobby house, but throughout the attractive Calvert home, is reflected the fun these folks are having with their hobbies.

And the interior finishing of the studio? "Oh, it was a hobby we worked on all last summer," Doro-

1973 Credit Union Members Invited To Annual Meeting at Club Jan. 27

Members of the rapidly expanding Sandia Laboratory Federal Credit Union will meet this month and receive the report that there are now 1973 members of the organizationand these members have invested \$498,869.84 in credit union shares.

The meeting will be at the Coronado Club Wednesday, Jan. 27, at 7:30 p.m. Officers for the year will be elected and members will consider a 1953 dividend.

Credit Union Manager Jack Brown reports that a steady growth has been recorded by the organization in 1953. Below are comparative

figures for the past four years which illustrate the credit union's expan-

1953 Operating Statement

Federal Savings and Loan S	270,611.96 hares 220,000.00
Loans to Other Credit U	nions 44,800.00

Liabilities

Shares	\$490,009.04
Reserve for Bad Loans	7,693.42
Undivided Profits	18,765.86
Notes Pavable	50,000.00
Accounts Payable	25.54

Total \$575,354,66

	1950	1951	1952	1953
Members	484	673	1,354	1973
Shares	\$29,133.38	101,984.15	294,784.70	498,869.84
Loans outstanding	\$25,682.90	45,534.45	117,306.09	270,611.96