SANDIA BULLETIN

Vol. V, No. 23

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO



Col. Philip F. Kromer "district engineer, Chicago"



Col. Rellie W. Adams "fought with Armored divisions"

IRE Members Exchange Ideas; People of Free World Profit

TECHNICAL SUBJECTS ATTRACT THESE ENGINEERS

Sandians found in their mailboxes a large, thick magazine titled "Proceedings of the I.R.E." Thumbing through it they came across such articles as "Equation for Atmospheric Refractive Index" and "Debunching of Electron Beams."

Those who settled down to read an article headed "Graphical Anal-

Engineers from most major countries outside the iron curtain meet once a year for an exchange of ideas. It's the annual technical meeting of the Institute of Radio Engineers.

One of the focal points of the world's finest engineering brains, the 42-year-old organization continually presses forward in its scientific studies. The smaller units which comprise the Institute, sections and professional groups, are basic in these technical studies and research projects.

The Founding

The New Mexico section now has 264 members. It was founded in April of 1948 by a group of 25 IRE members working at Sandia and Los Alamos. The work of organizing the New Mexico section was carried on by Ted Church, 5410-A, with the assistance of Cedric Center, 2122, Gene French, an Albuquerque business man, and Jim Palmer, 5221.

At the first meeting of the new section, April 30, 1948, Louis Hopkins, Jr., 1300, was elected chairman. Gene French was named vice chairman and Ted Church became secretary-treasurer.

The progress of the section has been rapid considering that in 1947 there were only 40 IRE members in the area. Since then the El Paso Section has been formed out of the New Mexico Section and there is still the surprising total of 264 members active in the local section.

New Spark

A new Sandian recently added impetus to the Section activities. He is James W. McRae, Sandia Corporation President, who is International Chairman of the Institute of Radio Engineers. He is the second Corporation president to hold the top post in a large technical society. Former Corporation President Donald A. Quarles was president of the American Institute of Electrical Engineers. The main function of the Institute of Radio Engineers, as with most technical societies, is based on a simple but effective principle that may be credited with a good part of man's technical achievements - exchange of ideas. People with common interests will always try to get together, but it's what they accomplish when they meet that measures their value. The IRE has been meeting since 1912 and its accomplishments are manifold.

One day recently a number of ysis of Waveguide Junction" found that it started off by stating:

"A graphical method was recently introduced by Deschamps for obtaining the scattering matrix of a two-port waveguide junction from a set of standing wave measurements. He also outlined a procedure whereby the reflection coefficient of a load terminating . . ."

From the complicated nature of these articles one might deduce the magazine has a rather limited circulation. On the contrary, the "Proceedings of I.R.E." is distributed to more than 30,000 engineers throughout the world every month.

Approximately 150 of these people, all members of the Institute of Radio Engineers, are found within Sandia Corporation.

Col. Rellie W. Adams Appointed New **Commanding Officer of Sandia Base**

Col. Rellie W. Adams this week became the new commanding officer of Sandia Base. He succeeds Col. Philip F. Kromer who is being transferred to Chicago where he will be district engineer for the Army Engineers. He will leave for Chicago about Nov. 16.

Cavalry Commission

Col. Adams, the new commander of the Base, received his commission in the Cavalry in 1933 and was ordered to active duty in 1941 with the Second Armored Division.

During World War II he served in Europe with the Ninth Armored Division. After the war Col. Adams served at Fort Knox, Ky., and in the Panama Canal Zone. He has received the Legion of Merit, the Bronze Star with Oak Leaf cluster, the Czechoslovakian War Cross and the Army of Occupation Medal.

Col. Kromer has been at Sandia Base since July, 1950. In May, 1951, he activated the present Base organization and has commanded it since then.

At Oak Ridge

A West Point graduate of 1930, he had engineering assignments during World War II in numerous places including Puerto Rico, Trinidad, The Netherlands, British West Indies and India.

For a year following January,

Minstrel Show to Highlight Family

1946, Col. Kromer served as city manager of the Manhattan Engineering District at Oak Ridge, Tenn. He then served as deputy manager of field operations at Oak Ridge for the Atomic Energy Commission.

Later he was a member of the Civil Affairs Division of the General Staff in Washington and as. Deputy Director for Military Supply and Procurement in the office of the Chief of Engineers.

Audio Group to Meet At Club November 12

The Albuquerque Audio Association will hold its November meeting in La Caña room, the Coronado Club, Thursday, Nov. 12, at 8 p.m.

George Reidel, 2553, and C. A. Smith, 1721, will discuss and demonstrate the R-J Speaker Enclosure. Construction information will be available

Two Sandians Back Here After Service In Navy, Marines

Back at Sandia after two years in the Marine Corps-including a year in Korea-is Shary Holmes, 2235. He came to work for the Laboratory in 1948 after graduating from high school.

Shary joined the Leathernecks on Sept. 10, 1951, served in California, Korea, and Japan, and was discharged two years later to the day on Sept. 10, 1953. He came back to the Corporation on Oct. 12. The ex-Marine is living in Albuquerque now with his wife and two

sons.



Ted Church (left) and Cedric Senter ... an inspiring circle.

papers have been published in the 'Proceedings" dealing with subjects ranging from mathematicophysical analyses of engineering commercia roblems to tions of engineering methods and products.

antenna and propagation protessional group chairman. "The IRE and its professional

chairman; and Frank Janza, 5412,

Night at Club

A typical, old-fashioned Minstrel Show will be featured at the Coronado Club during Family Night, Nov. 20. Starring the Sandialiers, local men's singing group, under the direction of Terry Riggin, 1263, the old-time extravaganza will limelight comedy and music.

There will be only two girls in the entire show. The rest of the cast will consist of 24 Sandialiers accompanied by a five-piece orchestra.

The girls are Daurice Hall, 4222, and Ruth Woods of Albuquerque. Orchestra members who will supply mood music for the comedy skits and background music for the singing arrangements are: Terry Riggin; Phil Owens, 1263; Dick Bassett, 2531; Percy Stephens, AEC, and Karl Zimmerman, 5312.

Acting as Mr. Interlocutor will be Lew Walrath, 2452, who with Percy Stevens was responsible for the script and stage direction.

The performance is from 7 to 9:30 p.m., free to members and their guests.



Shary Holmes Bill Herndon

Bill Herndon, 2461, came back to Sandia the same day as Shary. Like Shary, this was Bill's first job after graduating from high school. Bill joined us originally in March, 1951, and went into the Navy nine months later

He served for part of his tour of duty aboard the heavy cruiser U.S.S. Los Angeles and received his discharge in Sept., 1953.

Bill is living in Albuquerque with his wife and young son.

Papers Published

Chief among its accomplishments are the IRE Standards prepared by Institute technical committees. These are reports which ". . . define technical terms, present standard graphical symbols, and outline methods of testing certain items of equipment and measuring quantities associated with radio . .

IRE members have the results of their work made known throughout the field by means of papers published in the "Proceedings of the I. R. E." Over 4,900

Once a month the Section meets to hear a speaker lecture on some aspect of radio or electronics. Usually the subjects are broad enough to interest all the members. Speakers on more specialized subjects are heard by one or more of the Section's professional groups.

Local Section Officers

Today the elected officers of the Section are: Gene French, chairman; Tom Banks, 5421, vice-chairman and professional group coordinator; Dick Moore, 5412-2, secretary; and Ken Urquhart, 5330, treasurer.

The Section's executive committee is appointed. Sandians included on the present committee in addition to the officers are James W. McRae; Ted Church and Gene French, regional representatives; Glen Fowler, 5200, membership; George Oltman, 5412, publicity and historian; Thomas Marker, 5420, "The Blast"-Section publication; Ed Miller, 6010, Joint Technical Council representative; Al Garblik, 1321, audio professional group chairman; Ben Basore, 5411, information theory professional group chairman; Ned Wilde, 5414, microwave theory professional group

group system,' says led Church, "are aiming at being a model of how a professional society can meet the demanding requirements of an everincreasing technical field. You see, we learn as we teach and we teach as we learn-it's an inspiring circle."

35 Youngsters to Get Training in **Handling Guns**

Thirty-five youngsters participated in the opening meeting of the Junior Circle 10 Gun Club at Regina Coeli school recently.

It was agreed that the age limit will be from 10 years through 19, and the early sessions will feature classroom instruction primarily on any single shot .22 rifle. Sabino Garcia, 2452, is in charge of the group.

Announcement of officers and regular meeting dates will be forthcoming soon.

C. B. Kraus, 2452, a senior member of the Circle 10 Club, recently fired a 287 out of a possible 300. The next meeting of the men's group will be November 12 at Otero-Garcia American Legion Post, 7:30 p.m.



Friday, November 6, 1953

Published for the employees of Sandia Corporation, Albuquerque, New Mexico

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

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> Telephone Ext. 25253 2

Armistice Day — A Forgotten Day?

As years go by the observance of Nov. 11 as a national holiday is continued, but passing into the haze of time seems to be the true reason for dedication of Armistice Day.

This day, originally marking the end of World War I, is now observed in commemoration of the ending of all our country's wars.

It has been set aside in memory of such trials as Valley Forge, the bitter and disappointing battles of the War of 1812, the clash at Chapultepec in 1847, Gettysburg in 1863, San Juan Hill charge in 1898, the Marne in 1918, Guadalcanal in 1942 and Heartbreak Ridge only recently.

But through the frailties of human memories this national holiday has perhaps become too closely associated with "a day off" or some football game. Its deep national significance has become lost in the trivia which frequently surround special occasions.

When we see the Colors flying Nov. 11 we may well think of the men who fought and lived and the men who fought and died in the past 150 years so that the United States could remain "the land of the free."



Toast for Toastmasters

Determined not to miss a meeting, Sandia Toastmasters will roll out of bed for a dawn breakfast at the Coronado Club, Wednesday morning, November 25. Their regular meeting date falls on Thanksgiving and the morning date on the day before was the alternative. The Toastmaster in charge will get the meeting off to an appropriate start with the recitation of "Ode to a Breakfast Egg."

Party Season Approaches

Between Thanksgiving and New Year's scores of parties will be held and there will be a big demand for facilities of the Coronado Club for organizational gettogethers. Those planning such parties will do well to get their bids in early, according to Coronado Club Secretary Eugene Baker, 1933. Requests should be addressed to Gene in writing, giving full particulars. Club Manager Roger Almond will be glad to discuss food and refreshment ar-

week . . . he appeared one morning in a handsome brown and yellow plaid corduroy vest, tailored by Mrs. Crout, and someone suggested a string tie would top off the delightful ensemble. Bill purchased ties for several of his co-workers and the effect was rather startling . . . a few recalcitrants have returned to "regulation" neckwear, but the more venturesome are sticking to the new fad. The new bold style has been pioneered for some time by Dave Tarbox, 2410, whose colorful slipovers are his trademark.

TV for Youngsters

Jewell Erickson, wife of Ken Erickson, 5130, now has two television shows on KOB-TV. One deals with the educational systems in Albuquerque and the other is a show for youngsters.

Be Sure to Duck

The hunting season opens in New Mexico tomorrow and game officials say there will be 55,000 sportsmen taking to the field in the state. A red cap or shirt may not be enough to distinguish the man with the rifle from the game-so look before you shoot.

Around the Departments

The Larry Platts, 5432, were hosts to several couples of the 5430 group at a square dance party in their home recently. Entertainment was furnished by Bob Baker, who showed colored slides of the Grand Canyon and Bryce Canyon, and by John Cunningham, whose versatility with the lariat was a highlight of the evening.

Jean Stebner, 2352, has returned after a three weeks vacation in New Jersey. She recently became owner of a new home in the Carlisle Plaza Addition.

George A. Arnot, Jr., 5414-2, and Mary Lou Best, who were married recently, are at home at 401 Sixth St. NW after their honeymoon trip to Illinois and New Orleans.

New furniture and a new apartment has been occupying the afterwork hours for Dorothy Slotnick, 2335-1.

Joan Miller, 2335-1, has been making plans this week for a deer hunting trip this weekend into the Cuba

Vacationers from 2331 recently were "Rusty" Johnson, who went hunting in Colorado, and Billy Guy West, who went to Kansas City.

During their recent vacation Gene Redlinger, 2231, and Artie Redlinger, 2545, picked up their son who is stationed at Memphis, Tenn., with the Navy, and toured the midwest.

Vesta Mayer, 2234, vacationed in Chicago recently with friends and relatives.

The girls of 2231 enjoyed a Halloween party October 27 at the home of Erma Campbell.

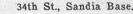
News from 3150: Dolores Cordova returned recently from a two week vacation in Minnesota. Betty Newman, 3154, accompanied by her husband, "Bud," 1713, visited her parents in Rockford, Ill., and Lil Erickson, 3153, has returned from a visit with her parents in Minnesota. Peggy Haner is another new homeowner; she'll move soon into the residence at 500 Girard St. SE. Among those enjoying a chili supper at Juan Tabo recreation area re-cently were Carol Keith, JoAnn Fawley, Elsie Kalfas, Mata Dugger, and Connie Steputis.

Fred Gray and John Hobart headed the arrangements committee for 2562-2's gala Halloween party last Friday in the small dining room at the Coronado Club.

Bob Buehler, 5133, sprained his ankle playing tennis recently, and his place in the noontime tennis group is being filled by John Mc-Kiernan, 1261-2.



VERONA COOPER, 1641-5, became the bride of Robert W. Thompson, 1732, October 23. The wedding party included Maurice Gowdey, 1713, and Mrs. Gowdey, Verona's sister, and two of Bob's co-workers in 1732, Robert Morgan and Joe Gregory. The newlyweds took their honeymoon trip in Arizona and New Mexico. They will be at home soon at 3225-D





ONE - YEAR - OLD Kathy Jane McQuarie, is the daughter of Mr. and Mrs. Jim McQuarie. Jim is in 2452 and Mrs. McQuarie (Judy) formerly worked in 4222.



Friends of Bruce G. Scott in 2334 were happy to welcome him back after a month's illness.

AEC vacationers include W. W. Hileman, who is spending three weeks in California. and Claude Weimer, who is taking his holiday in Oklahoma, Texas, and also visit-ing Carlsbad Caverns.

Helen Gelwicks, AEC, was honored October 26 with the traditional birthday cake dessert by her coworkers.

When Marian Hills' parents and aunt visited her from Jacksonville, Ill:, recently, the group took a vacation jaunt to the Grand Canyon and other scenic spots in Arizona. Marian is in 5131.

William B. Dupree, 2223, who vacationed at his sister's home in San Angelo, Texas, enjoyed a tour of the Carlsbad Caverns enroute.

Ramon C. Garcia, 2223, is owner of a new Chevrolet.

Best wishes for a speedy recovery go to Phyllis J. Harris' son, Johnnie, who is recuperating from a head in-jury. Phyllis is in 2232.

S. A. McCollum, 5216-1, visited friends and relatives in Kansas City, Kans.; Brookfield, Mo., and Booneville, Mo. Irv Lenz, 5216, spent his vacation with his parents in Pueblo, Colo.

Joe Moody, 1651, and Barbara, 2143-1, vacationed at the north rim of Grand Canyon, Bryce and Zion Canyons, then continued to Las Vegas, N. M.

Frank Longyear, 2100, and Mrs. Longyear, who sold their home on Los Arboles, are now living on Dartmouth NE.

A luncheon and baby shower honored Lillian Anglim at the Coronado Club recently. Guests were Lillian's co-workers in 2362-2.



SIX weeks' old Ronnie poses in the arms of his beaming father, Kenneth Smith, 2231.

rangements after the reservation is confirmed by Gene.

The Irrepressible Male

Bill Crout, 2413, started a trend toward string ties in his office last

Frank Hudson, 5131, and George Anderson, 5143, and their families enjoyed a trip to the Carlsbad Caverns and to Chihuahua, Mexico, recently.

When Edith Blum's parents from Pittsburgh, Pa., were her guests recently, they visited points of interest in the state, including Taos, Santa Fe, and the Painted Desert and Petrified Forest in Arizona. Edith is in 2141.

Vacationers from 2300 were Mike Lettrick, 2361, who spent three weeks in Pittsburgh; Marjorie Thibodeau, 2315, who visited her former home in Milwaukee, Wis., and Don Lucas, who visited Carlsbad Caverns and Mexico.

A. L. Hudson, 2334, had a reunion with his cousin during his recent vacation in El Paso. Tho two hadn't seen each other for 43 years.

Irene T. Brian, whose new sewing machine "does everything but mow the lawn," she reports, spent her vacation making winter clothes.

WHEN Marty Williams, 2334, and her husband vacationed recently in Colorado, they visited the Royal Gorge among other spots. Here is a snapshot of Marty on the bridge which spans the huge crevass.



THE BACKSEAT driver in this picture is "Mike" who looks over the shoulders of Marjorie Garwood, 1923-4, and her husband, Jack. The Garwoods recently enjoyed a vacation touring Eastern states in their MG with "Mike" as navigator in his special foam-rubber seat.



WHEN young Jerry Meloche, son of T. J. Meloche, 2331-1, and Shirley Meloche, 2471-2, visited his folks recently they snapped this picture in his natty western get-up. Jerry attends St. Michael's school in Santa Fe.

THE ATTRACTIVE younger set is doing Sandia proud these daysthe two Highland High seniors above are among candidates for the Hornets' Homecoming Queen this weekend. Left is Joan A. Hahn, daughter of Gerry, 2410, and Harry L. Hahn, 2126-2. At right is Kaye Roberson, daughter of the Max Robersons, 2413.

Promotions

DOROTHY M. BLALOCK to section supervisor, 2553-3. Dorothy has been with the Corporation since February, 1950.



Prior to joining us she spent two years employed as a secretary for a Certified Public Accountant in Oklahoma City. A native of Oklahoma, Dorothy took the

secretarial position following her graduation from high school in Oklahoma City.

ROBERT D. WEHRLE to section supervisor, 5341-1. Bob came to the Laboratory in January, 1952. Before

starting here he worked for 18 months as an inspection engineer with Standard Oil of Indiana, at Whiting, Ind. Bob is a graduate of Iowa State College where he

earned a B.S. degree in mechanical engineering. His studies there were started in 1942, interrupted by three and a half years service in the Air Corps and resumed after the war.

CARL F. ZIKERT to section supervisor, 1522-3. Carl joined us in November, 1951, after a year as ord-

with the Ord-

nance Ammuni-

tion Center, Jo-

liet, Ill. Previ-

ously he worked

quality control

nance engineer half a year as a

engineer for Fairbanks Morse & Co., Beloit, Before that Carl spent two Wis. years in quality control with the Clark Equipment Co., Battle Creek, Mich. He studied mechanical engineering at Georgia Institute of Technology, served three and a half years in the Air Force, and after his discharge finished work toward a B.S. in mechanical engineering at the

RICHARD E. BURNAM to section supervisor, 1921-2. Dick came here in April, 1952, following 10

University of Wisconsin.

months as insurance claims adjustor in Albuquerque. Before that he worked six months in real estate sales with Albuquerque Realeteria a year as and

field representative for Pitney Bowes, Inc., Albuquerque. Dick studied business administration for three years at the University of New Mexico and prior to enrolling served 40 months in the Air Force. While waiting to be called into the service he worked as a ship fitter in the Bremerton, Wash.,

Vibration, Shock To Be Discussed At ISA Meeting

Vibration and shock, the long-time "bugaboos" of precision engi-neering, will be discussed at a meeting of the Instrument Society of America on Nov. 12 by Kenneth



Kenneth Johnson

Johnson, noted for his techniques of evaluating vibration and shock isolation and president of a firm engaged in the engineering, testing and manufacture of shock and vibration systems

Mr. Johnson will speak on "Design of Precision Equipment with Regard to the Isolator System" when the ISA convenes at the Coronado Club Thursday at 8 p.m.

The talk will cover the need for realistic application of isolators, including the limitation of various systems when equipment geometry and space are considered.

Frankie Carle to Play at Coronado Club Next Week

Frankie Carle, who has sold more than 75,000,000 records during the last 10 years, will bring his worldfamous orchestra to the Coronado Club on Saturday, Nov. 14. He will appear from 9 p.m. to 1 a.m. Admission is \$2 per member, \$3 per guest. One of the top bands in the land,

the Carle aggregation is currently setting new box office records in



Joan House (vocalist) and Frankie

theatres and ballrooms from coast to coast.

Although nearly everyone knows that Carle is one of the nation's most popular pianist-leaders, few realize that he has established equal success as a composer.



DROPPING THEIR SLIDE RULES and test sets, members of the IRE and their wives enjoy themselves on a recent picnic at Frijoles Canyon. This is just one of the many social events the Section holds throughout the year. The three-legged racers, wives

New Club Aims at Better Understanding Of Arts, Antiques

The Arts and Antiques Club of Albuquerque will meet at the home of Mrs. Robert Kline, 3041/2 Dartmouth Dr. SE, on Nov. 11 at 8 p.m., according to E. Lee Deeter, 5430.

SANDIA BULLETIN

The romance and history of the early American glass industry will be discussed by Mrs. Howard J. Fleming. Assisting Mrs. Fleming in a display of early American glassware will be Mrs. Byrd McKay, whose husband is in 2124, and Mrs. Lee Deeter.

Other Sandians in the club are Joe Heaston, 5212, and Garrett Drummond, 1933.

A special invitation is extended to all Sandians to attend the Nov. 11 meeting, announced Lee Deeter. Members' interests include restoring, owning, and selling china, pottery, pewter, copper and brassware, clocks, firearms, and dolls.

Mrs. Thornton Smith, Alb. 3-0248, is the club's contact for information.

Welcome!

Newcomers

A welcome is extended to the following newcomers who joined Sandia Corporation between October 14th and October 29th:

James DeMontmollin	242
John M. Bristol15	41
James H Stoever 1/	12
James H. Stoever	541
John W. Hahn In	24.2
John W. Hahn, Jr	240
Donald M. Locke)4J
Patricia K. Impink19	124
Marian Kruse19	125
Irene E. Leyba	224
Virginia M. Smeltzer2	224
Ruth M. White2.	
Zula M. Brown2.	362
Edgar F. Hoddinott24	411
Hermit Schuette24	415
Catherine Chapman2 George Robert Page2	461
George Robert Page	461
Thelma L. Parker2	461
Eleanor L. Martinez	462
Sally F. Cole2.	527
Connie M. Curtis2.	531
Onella Ruth Allen2	51
Coorgo Thomas Kross 2	EA/
George Thomas Kross	22
Kathene W Terrer	20.
Kathryn W. Jones2	33.
Sondra Whitcomb3	13.
Nell L. Davis4	644
Cecyl Z. LeFevre4	524
Agnes E. Mahinske4	221

Rockhounds to Swap

Square Dancers Dare Thirteenth

Friday the 13th may be a day of extra precaution for some, but the Coronado Club Square Dancers will indulge in a session of lively do-sido's and allemands when W. E. "Doc" Rehbeck entertains with his records from 8:30 to 11:30 p.m.

Monday, Nov. 16, an instruction period will be held for beginners from 8 to 10 p.m. These instruction periods are for all persons interested in learning to square dance and there'll be no guest fee. Attendance will determine if these classes are to be continued.

The final square dance activity of the month will be on Friday, Nov. 27, when the Duke City Cowboys will entertain. Door prizes will be provided.

Congratulations BORN TO:

Mr. and Mrs. Richard Heim, 3122,

a daughter, Mary Catherine, Oct. 29.

Mr. and Mrs. John Sundberg, 1713, a daughter, Barbara Ann, Oct. 29.

Mr. and Mrs. Ed Johnson, 1513-5. a son, Gordon Frost Cross, Oct. 12.

Mr. and Mrs. Ray Smelich, 2331-2, a daughter, Alice Frances, Oct. 28.

Mr. and Mrs. Bernard Rolsma, 1311, a daughter, Elizabeth, Oct. 27.

Mr. and Mrs. Charles Olajos, 3220, a daughter, Marjorie, Oct. 23.

Mr. and Mrs. Willard Prekker, 4151-3, a son, Allan David, Oct. 28.

Mr. and Mrs. Duard S. Woffinden, 5415, a son, Edward Ernest, Oct. 26.

Mr. and Mrs. Clyde Green, 2231, a daughter, Carmen Judy, Oct. 24.



of Sandia and Los Alamos engineers are: L to R:

Ruth Jennings, Piddye Urquhart, Mary French (wife

of Gene French, Section chairman and manager of

Neely Enterprises), Lucie Lamb, Jane Jacques, and

Wanita Wilde. Contest results were not announced.

Mrs. Gladys Keller, wife of John Keller, 5214, recently returned from spending several months with her parents in Tennessee. The Kellers' son, John Robert, was born there 10 weeks ago.

Television has arrived here and the new antennas are going up fast. Instead of "Good Morning" greeting now, it's "How was Channel 11 last night?"

We'd like to take the opportunity to welcome Carl O'Dell, 2483-1, and his wife and teen-age daughter, Barbara, to the Base. Carl and his family are former residents of the Base.

Joe Omlin, fire chief, 2482-2, made a trip to San Diego last week, returning with a new Plymouth. Mitch Sparks, water commissioner, 2483-1, is another new car owner --- an Oldsmobile.

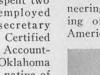
Sincere wishes for a speedy recovery are extended to Rodney Post, 5214, who was stricken with polio. Rodney is confined to an iron lung in the Pioneers Memorial Hospital in Brawley.

Mrs. T. A. Sprink is flying back to New Jersey to be with her daughter who will undergo surgery.

The San Felipe Lodge dining room was the scene of a Halloween party, Oct. 29, when 24 youngsters were entertained at a holiday party. Games and ducking-for-apples provided fun for the youngsters.

Now that cooler weather is here and the geese and ducks have arrived by the thousands, these Salton Sea Sandians are among the successful hunters: Dan Cain, 2483-3; Donald Wall, 2482-1; John Bashaw, 2481-1; Harry Schnarr, 2481-1; George Uszuko, 2481-1; and Bob-





Navy Yard

Weddings and Engagements

The engagement of Betty Winblad, 3150, to Fenner Jones of Corona, N. M., was announced recently. Betty, who joined Sandia Corporation in July, 1952, and her fiance have not set the date of the wedding.

October 19 was chosen by Ollie Austin, 4222, and Phil Leslie, 1921, for their marriage at Calvary Baptist Church in Santa Fe. Attending the ceremony and wedding luncheon at La Fonda Hotel were Kay Flood and Margaret Sylvanus, 4222, and Mrs. C. W. Dickinson. The Leslies took their honeymoon in New Mexico and are at home at 409-12th St. NW. Prior to their wedding Celeste Gatling entertained for them at her home October 14. Guests included personnel from 1923-4.

His "Sunrise Serenade," which serves as a theme song for the band, is rated with the most popular American songs by the American Society of Composers and Performers.

Carle holds a major distinction as a leading solo artist as well as an orchestra leader on Columbia records. His albums have sold a combined total of 50 million discs. His own orchestra was responsible for some 25 million records bought off retail counters.

Precision Calibration Talk at AIEE Meeting

The American Institute of Electrical Engineers will hear Robert E. McCallum, 1652-3, speak on "Precision in a Meter Calibration Program" at the group's next meeting on Tuesday, Nov. 10.

The lecture will be given at the University of New Mexico's Mechanical Engineering building, room 2, 7:30 p.m.

Society president Earl Craven, 2443, will preside. Refreshments will be served.

At Meeting Nov. 17

Trade Night for the Albuquerque Rockhounds Club will be on Tuesday, Nov. 17, according to Ralph Calvert, 5132, club president.

The evening will feature the trading of mineral and gem specimens collected by members during the summer. Visitors, Ralph says, are invited to bring along their trade material, also.

The meeting will be held at the Church of Christ recreation room, Fifth and Marble Avenues, at 7:30

Tom Marker Editor Of IRE Publication

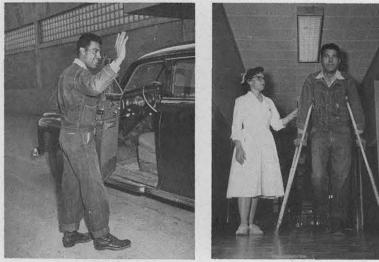
It's Editor Marker from now on. Thomas Marker, 5420, was recently appointed managing editor of "The Blast," a bi-monthly publication of the Albuquerque-Los Alamos section of the Institute of Radio Engineers.

Tom succeeds Joel Simmons, Jr., 5413, as editor of the magazine.

Mr. and Mrs. Dick Kuphaldt, 5431, bie McNabney, son of Verne Mca daughter, June Louise, Oct. 28. Nabney, 2482-2.

Which Twin

Made sure the ladder was safe?



Photos by Dunlap

PERFECTO GARCIA, 2352-1, is not a twin but he does practice safety rules and never uses unsafe ladders - he keeps his equipment in top shape and his job is safe.

Chairman Lewis L. Strauss Tells —

PAGE FOUR

The "Why" of AEC Security

"Enormous progress

AEC was first organized.

Chairman Lewis L. Strauss of the Atomic Energy Commission recently said:

"In the present state of the world most of the money appropriated for the atomic energy program is inevitably devoted to weapon development and manufacture.

The plant investment has already reached \$4.6 billion and is still growing. It will be over \$8 billion when the present program is completed.

Chairman Strauss painted this word picture of the atomic energy program before the National Security Industrial Association in New York recently. Included in his remarks was a lucid, to-the-point discussion of the "why" in the AEC's extensive security program. This "why" is of particular interest

and importance to us employees of Sandia Corporation who are among those subject to these security regulations.

Following are a few excerpts from his talk. We quote Chairman Strauss:

"Various arguments are advanced for revealing 'in rough figures' the size of our atomic stockpile, the most plausible being that the information is necessary so that an intelligent public will be able to reach a considered judgment as to the future course which events should take.

"By law, the numbers of weapons made by the Commission are determined by the President, who acts with the benefit of recommendations of the Joint Chiefs of Staff.

"The numbers, therefore, bear a direct relationship to war plans the plans of our senior and most trusted commanders in the event war is ever forced upon us.

Fatally Significant

"To the public it could scarcely be anything but a number, revealing in itself neither that it was sufficient nor too large nor too small.

"The numbers would be significant, fatally significant, however in yet another quarter - in the planning staff of a potential enemy." "It would be a short-lived commander who signalled his enemy how

many rounds he had in his locker. "Every two weeks the Commission publishes, not as a secret document but free as the air, a booklet entitled 'Nuclear Science Abstracts.' In it the interested worker or merely the curious will find under such major headings as biology, mining and metallurgy, engineering and other topics the description of the research reports under these groupings which have been completed and where a

Much Open Data

report is warranted.

"This does not, of course, include data restricted by the Atomic Energy Act. Since 1948, when the pub-

"Security is not static" lication was begun the total runs to more than 19,000 pages and 100,000

reports. "No other government makes a comparable disclosure of the scientific work it is doing; yet it is a fairly common experience to read that the Atomic Energy Commission is so security-minded that it never reveals anything.

"On the other hand, there may be some ground for justified criticism that declassification sometimes goes too far.

"However, the dissemination of information is enjoined upon us by the Atomic Energy Act which intended that, as far as possible, the benign uses of atomic energy would be shared by the people of the United States with the citizens of the whole wide world.

Security Is Troublesome

"Security is a troublesome thing. Like taxes, I would gladly be rid of it - but also, like taxes, it seems to be a part of an uneasy and armament-burdened world. At times and at places some think we have too much of it.

"There is no doubt of the fact that at other times and places we have had too little. It looks as if it ought to be easy to find a proper balance, but easy is just what it is not.

"We do know this: that too much security, when realized, can be corrected by relaxing it. Too little

and our reserve is large and growing rapidly. "Instead of one or two types of weapons of limited application to wartime needs as was the case in 1947, a whole array of atomic weapons now exists, designed to meet various requirements of various sorts for the Army, Navy and Air Force . . .

force have been developed in our national laboratories

has been made since the

Weapons of truly awesome

SANDIA BULLETIN

security, when it is realized, is beyond correction.

"There is no use having doors on stables, not to mention locks, after the horse is stolen.

"This is one of the troublesome aspects about fuller cooperation with friendly nations whose security may not be as thorough as our own.

Security Costly

"A recent instance that crossed my desk justified the protest made several years ago against the transfer of certain materials embodying information. In this case the material was delivered directly into the hands of a technician who subsequently was found to have been working for the Soviets and was then dismissed from the employment by his government.

"When something like that happens it is too late to do much beside hand wringing.

"We have in our project a certain amount of costly and marginally useful security. Some of it is entrenched habit and has become so routinized that it probably affords far less protection than it appears to give on the surface.

Security Not Static

"However, in the more limited and highly sensitized areas our security should not only be maintained, it should be intensified.

"Perhaps it can be summed up by saying that security is not a static thing. It changes with events, with the aging of the material which it is designed to protect, and with many other factors.

"Since it is far easier, and much more economical to operate without it than with it, there is a continuing incentive to constantly review it.

"As conditions warrant we will relax it - with the prior approval of Congress-whenever and wherever good will come of that course."

Seek Ohio State Alumni for Club

All graduates and former students of Ohio State University are invited to participate in the Ohio State Alumni Club meetings, scheduled for the first Tuesday of the month.

A variety of programs has been planned including dances and barbeques and a Christmas party in December. Information about the club may be obtained from Mrs. J. P. Long, ext. 29288, or Louis Stewart, 1522-2, co-chairman of the program committee whose Albuquerque tele-phone is 5-6429.

Fun for Coronado Club Members

With the Frankie Carle dance only a week off, reservations will be coming into the Coronado Club fast and furious - so make your reservation now — this will be one of the biggest nights at the Club for smooth, enjoyable entertainment.

Tomorrow night the Al Hamilton Quintet is slated from 9 to 1, followed by the monthly buffet-dance Sunday night. Dinner and dance music will be provided by the MBC Trio. Admission: \$2 per member, \$3 per guest.

Calendar Change

Duplicate bridge fans will meet on Thursday, Nov. 12, and also on the 19th.

Square dancers take over the Club on Friday the 13th with hopes there

A change has been made in the Coronado Club Calendar, which is mailed monthly to all members. The Calendar shows Bingo nights to be on Wednesday, Nov. 4 and 18. This has been changed. Bingo will be held on Wednesday, Nov. 11 and 25. In addition, the special events on the back of the Calendar have erroneously been listed for October instead of November.

will be no bad luck and Frankie Carle performs on the following evening.

Free Instruction

On the 16th the Club will hold free square dance instruction from 8 to 10 p.m. The Ladies Afternoon Bridge and Canasta party is planned for the 17th from 1:15 to 4 p.m.

Another feature event of the month will be Family Night on Friday, the 20th, when the Sandialiers present a special Minstrel Show guaranteed to delight the whole family. It's free and it lasts from 7 to 9:30 p.m.

In line with the Club's new policy of an orchestra every Saturday evening as long as members respond, the Don Lesman Orchestra will appear on the 21st from 9 to 1. Bob Van Driel and his orchestra will play the next Saturday night, Nov. 28.

Thanksgiving Dinner

On Sunday, the 22nd, a bridge tournament will be held in the Club ballroom from 7 to 11. A donation of 25 cents per player will go toward prizes.

On Thanksgiving Day the Club will present its annual Thanksgiving Dinner-Dance. Dinner will be from 2 to 8 p.m. and the Charlie Biesel Trio will perform from 3 to 7 p.m. Dinner is \$2.75 for adults, \$1.25 for children.

The Duke City Cowboys will whoop it up at the square dance on Friday, Nov. 27. The jamboree will be held from 8 to 11:30-free to members, \$1 per guest.

Atom in Industry To Be Discussed By R. P. Petersen

Robert P. Peterson, former Director of Research for the Corporation who was called to Washington a year ago, will present a talk Thursday, Nov. 19, before a meeting of the American Society of Mechanical Engineers

'Competitive Atomic Energy?" will be the subject of the talk. Mr. Peterson is now Chief of Industry and Production Reactors Branch, Division of Reactor Development, Atomic Energy Commission.

The talk will be given at Mitchell Hall, at the University of New Mexico, Room 101, 7:30 p.m. According to Mr. Peterson the speech will cover the ". . . outlook for conventional fuel power production, relative sizes of resources, and insofar as possible, some of the questions relating to the economics of nuclear power.'

Tool Engineers Dinner Meeting Tuesday Evening

"Application of Sintered Tools and Dies" will be the topic at a meeting of the American Society of Tool Engineers on Tuesday, Nov. 10, at La Hacienda in Old Town.

Sintered tools and dies are those made from powdered metal heated to a mass without melting.

Illustrated Talk

The talk will be presented by Malcolm F. Judkins, manager of the New Products Division, Firth-Sterling, Inc., of Pittsburgh, Pa. His discussion will cover high temperature cements, chromium carbides and heavy metals.

Mr. Judkins will illustrate his talk with slides and blackboard sketches. He has been with Firth-Sterling since 1929 and has a B.S. in mechanical engineering from the University of Washington and an M.S. in chemical engineering from Carnegie Institute of Technology.

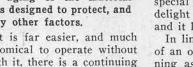
Talk Before Dinner

The lecture will be preceded by a dinner meeting at 7 p.m. The business portion of the evening will start at 8:15 p.m. Dinner is \$2.25 a plate and reservations must be made before noon Nov. 9 with Paul Stewart, 2531, ext. 26141.

The election of a nominating committee to select a slate of chapter officers will be made at the meeting and plans for a Ladies' Night will be discussed. Tentative arrangements call for a non-technical meeting at Leonard's Restaurant on Dec. 11.







NOT MUCH NEWS and fewer pictures come out of the nuclear tests conducted at the Pacific Proving Grounds of the AEC. However, here Will Whitmore shows a telephone handset made by Western Electric Co. which survived one of the atomic tests off Bikini. It was on the aircraft carrier "Independence" and was found among the debris after the blast. It was still serviceable.

Elect Chairman

Newly elected chairman of the Albuquerque Chapter, American Meteorological Society, is "Chuck" Charles, 5132.

at the 1 ne winning pair will have their names engraved on the large loving cup kept on permanent display at the Club.

At Club Nov. 15 The Coronado Club's annual pair

Club members and their guests are invited to participate. One person of each pair must be a member of the Coronado Club. Reservations are not required.

Bad Luck Day Chosen For Dinner Meeting **By Magicians Club**

In defiance of all the age-old fears of the supernatural a Superstition Party is going to be held by the Albuquerque Magicians Club on that dreaded of all days-Friday the 13th.

Chief among the attractions of the evening will be opportunities to take chances by walking under ladders, smashing mirrors, or spilling salt.

The party, to be held at the Franciscan Hotel at 7:45 p.m., is open to all interested in trying their luckbad luck, that is.

Dinner will be \$2.75 a plate, followed by a series of magic shows performed by members of the Club.

This demonstration was part of an instruction period for fire squads and fire captains in Bldgs. 890, 892 and 894. Ted told the group present that the carbon tetrachloride extinguisher was good for small flammable liquid fires. Carbon dioxide or foam-type extinguishers are used on larger fires of that type, he said.

BURNING GASOLINE gets a quick treatment from Ted Rosenwald,

Plant Security fire prevention, with a carbon tetrachloride extinguisher.



SANDIA BULLETIN

Carelessness Results In

Office Booby Traps

Deep sea divers know the hazards of their trade, so do steeple jacks, test pilots and demolition men. If you're an office worker you may figure there are no such things as hazards in your business. Think again!

Every time you travel a stairway, approach a door, reach for a high drawer, lift a heavy (or not so heavy) article, leave a file cabinet or desk drawer open, even handle paper or walk across the floor, you may be chancing an accident-if you are careless.

Thoughtlessness in the office creates booby-traps.

ates booby-traps. Who do you figure gets caught in booby-traps? You're right. People who walk around without watching where they are going get caught in booby traps.

An accident is not funny. No one laughs at pain. Accidents do not just happen. They are caused.



LOTS OF PULL can lead, in this case, to a strained back and a damaged foot. Lawrence McFadden, 1641, has learned to take it easy with desk drawers.



WRONG WAY to squeeze a girl is demonstrated by Norma Lee Bird, 1923. Be sure safes are anchored and never open all the drawers at once.



GOING DOWN—perhaps head first— Doris Welch powders her face, catches her heel on the stair and makes a fine candidate for a hospital bed. Marian Hazlewood watches her step and holds onto the railing—for her it'll be a safe trip. (Both girls are in 2461.)



O-O-H! MY ACHING HEAD! Pat Carpenter, 4222 (1923), has learned it doesn't pay to leave file drawers open, especially when you may expect to be bumped due to your own forgetfulness.



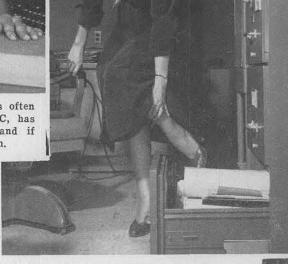
SLAM BANG WHOOPS! Paul Rowe, 5141, shows how slamming open a door can cause an accident. Georgia Coffey, 4222 (5140), looks properly annoyed, but the safety rule works both ways —open doors cautiously, approach doors cautiously.







THE FINE EDGE of a sheet of paper is often sharp as a knife—as Dora Fischer, AEC, has discovered. A paper cut is often deep and if neglected can lead to serious infection.



THE SHINS YOU SAVE may be your own! File or desk drawers left open can turn into very effective booby traps for the unwary, as Mary Louise Fresquez, 4222 (5131), will testify.



THE ROLLER DERBY is about to start. Dorothy Jean Leach, 2461, is making the prime error of using a chair as a ladder. You could fill a hospital with the number of broken bones this little mistake has caused.

The Pictures

Appearing in the accompanying pictures are Mary Louise Fresquez, Doris Welch, Marian Hazlewood, Dora Fisher, Dorothy Jean Leach, Lawrence McFadden, Paul Rowe, Georgia Coffey, Norma Lee Bird and Pat Carpenter.

All of these people volunteered to help bring this safety message to you. All of them know better than to expose themselves to such injuries. Do you?

PAGE SIX

Classified Advertising

Classified Advertising

Classified advertising is printed in the Sandia Bulletin 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, Nov. 13

FOR SALE-

EVERHOT electric roaster with broiler attachment, will bake bread \$35; also Zenith radio-record player 78 RPM, Cooper, Alb. 5-8735.

ADDING MACHINE, Victor, hand-oper-ated, 6 column list, 7 column total; also Underwood standard typewriter, pica type, Ransom, Alb. 5-6193.

'47 4-DOOR PONTIAC, R and H, seat covers \$495 or best offer, Mann, Alb. 5-0676 after 6, 5722 Gilmer Pl. NE.

MOUTON LAMB 34 length coat with bracelet sleeves, flared back, size 16 \$75; also ski boots, size 8½ \$7.50; English made leather riding boots, size 7½ \$7.50, Fike, Alb. 6-3530 after 5:30.

HIGH CHAIR, chrome and red formica tray, detachable stay-hot dish and rubber air-filled monkey, Kronberger, Alb. 6-4168

1950 STUDEBAKER Commander, R and H \$950, Pliner, Alb. 6-1907 after 5:30.

PLAY PEN \$10; stroller \$3; folding buggy \$10, Zownir, 414 Monroe NE, Alb. 6-3717.

1950 NASH Statesman or 1951 Nash Ambas-sador, both with R and H, overdrive, beds and extras, Long, 2731 San Raphael Dr. SE, Alb. 7-8269.

ROLLAWAY BED with innerspring mat-tress, 30-in wide \$12; also Winchester Model 94, 30-30 cal. \$55 including 2 boxes ammunition, Nepple, Alb. 5-9341.

ONE BUESCHER E flat alto saxophone with case; Fontaine wooden clarinet with case; Pan American flute with case, Arretche, 2512 Candelaria NW, Alb, 4-3863 after 5.

HAWAIIAN GUITAR with amplifier \$85, Brooks, 509 Alvarado Dr. SE, Apt. 2, ext. 31160.

TWO BEDROOM HOME, lawn, patio, at-tached garage, total \$7750, \$500 down, Davies, 8827 Aztec Rd. NE.

EASY SPIN-DRY washer \$69 cash, or will trade-want guns and sleeping bags, Martinson, Alb. 3-6901.

20-GAUGE STEVENS repeater shotgun \$45, Hever, Alb. 5-6158 after 5.

ENGLISH SADDLE, ladies riding boots, Porter, ext. 23261, 2801 Parsifal, NE.

RECORD PLAYER, Columbia, 33 1/3 rpm, 1p \$10, Beyernheimer, Alb. 6-4638 after 5.

HOFFMAN HOME, three bedrooms, 134 bath, carpet, drapes, walled, \$12,900 total, \$2,900 down, \$83.31 payments, Lotz, Alb. 6-5484.

ENGLISH BICYCLE, three-speed, heavy duty tubes, one year old, Russell, ext. 32161.

FORD, 1949, custom fordor 6 sedan, R&H, overdrive \$700, Folkins, ext. 28165 or 421 Gen. Patch NE.

WRINGER WASHING machine with in-sulated tub \$25; Emerson portable battery radio \$17; Argus 4.5 camera with carrying case \$15; double electric hot plate \$4; 1 pair matching brass table lamps with yellow shades \$10, Andrews, Alb. 6-3819.

MARX ELECTRIC TRAIN with trans-former and extra track \$20, Glass, ext. 28190.

CUSHMAN Motor Scooter, 49, completely overhauled, new paint, \$135. Hahn, ext. 36184 after 5, see at 3005 West Sandia Dr.

ENAMELED SINK, 13 in. wide x 17 in. long, 12 in. deep, mounted in cabinet with doors, chrome-plated, single, swinging faucet (hot and cold) included, \$20 or best offer. Davis, ext. 37141.

20-GALLON hot water heater \$20, ABC washing machine \$20, or will trade for Hallicrafter radio or what-have-you. Flow-ers, Alb. 6-1656.

COMPLETE electric train set with plastic village, all mounted on board that folds to wall \$40, DeSelm, Alb. 5-2634.

MEN'S SKI BOOTS, size 9, \$5, Heim, ext. 29157.

⁴ x 6 COTTON hooked rug, floral design \$10; also heavy plate glass mirror, 2 ft. diameter \$12, Field, Alb. 6-2613.

APEX WRINGER washer, new parts and paint, Talley, 2603 Gen. Chennault St. NE.

HOFFMAN RADIO, console-blonde table model \$50, Dalesandro, Alb. 2-1388, 206 Arno NE.

ONE PAIR SKIS, 6 ft. 6 in. \$15; 1 pair skis 6 ft. 9 in. \$10; 1 pair girls ski pants, size 12 \$5; 1 jacket, size 12 \$5, Waldron, Alb. 5-6148.

1949 PLYMOUTH, late series, 4-door sedan, R and H, original owner \$700, Vivian, ext. 34124.

MUST SELL 1942 motorcycle \$100. Randle, Alb. 5-0420.

NEW WARING MIXER, never used. Walker, ext. 28159.

SHOTGUN, Winchester, model 12, 12-gauge full choke, 1 year old \$75; also Stevens double barrel 16-gauge, 1 year old \$35; Skelton, Alb. 5-2579 evenings and week-

TV SET, 7 in. \$30. Jeske, Alb. 6-3214.

WANTED-

HOUSEKEEPER to live in, care for 2 children, light housework, no cooking re-quired, prefer someone living on Sandia Base, Marks, 1406 14th Loop, ext. 26178 anytime anytime.

RIDE from vicinity Coal and Edith, H. Fabrizio, ext. 25144.

RIDE from 331 Madison NE to Bldg. 802, Harold Davis, ext. 32143.

RIDE from Los Arboles and Mesa Linda area of Hoffmantown to Bldg. 880, Joe area of Hottman Placek, ext. 28132.

RIDE from Cactus Drive-in on Yale Blvd., Douglas, Alb. 3-4872.

RIDE from 5717 Aspen Ave., NE to Gate 7 or 8. Marilyn Franzen, ext. 3-2133.

JOIN CAR POOL in Snow Heights, 1717 Virginia Ave. NE to Gate 7 or 8. Drake, ext. 3-2133.

RIDE from 204 Madison St., NE to Gate 3 or 4. Alma Mischke, Alb. 5-8357.

CAR POOL, join or form, vicinity of Mackland Drive and Girard NE, Bell, Alb. 6-4064.

RIDE from 47th St. and Central to Adm. Bldg., Florence R. Gamez, ext. 23203.

RIDE from vicinity Columbia and Garfield to Adm. Bldg. Dorothy Slotnick, ext. 36165.

RIDE or riders from vicinity 5th and Mar-auette to south tech gate. Victor S. quette to south tech gate. Gabaldon, Alb. 2-5118.



ADMIRING "JEZEBEL," the little fox who was queen-for-a-day around Building 894 recently, is Gladys Stumpf, 2545. With shouts of Tallyho! the tech area noontime fox hunting club included Sam De-Haan, Reynaldo C. Gonzales, Gerald Van Gundy, Gilbert Atencio, Robert F. Carelton and Richard Bowerman, 2223, and Jose F. Chavez and Orlando Sanchez, 2351. After 40 minutes of out-foxing "Jezebel" the hunters claimed their prize and caged her temporarily in a steel

crib skid. The queen is now a resident of the Albuquerque Zoo.

Here's the Situation in Sandia Employee Bowling LADIES' JEWELETTE

LEAGUE Team Standings

Team																			ľ	1					٦	λ	1	on	6	Los	st	
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Team and Individual High team series: Emeralds, 2186. High team game: Sapphires, 770. High individual series: Ricard, 570. High individual game: Engels, 212. Top 10 Averages Ricard 171, Hainlen 153, Muchowske 148, Masak 147. Engels, Faurebach 146, Hahn 141, Fink 139, Burg 135, Dadian 134.

ALL STATES LEAGUE

Team Standings Won Lost Team

Iowa		. 16 1
Oklahoma		15 1
California		.13 1
	Team and Individual	
	n series: Wisconsin,	2445.

High team series: Wisconsin, 2445. High team game: Michigan, 891. High individual series: Allman, 567. High individual game: Allman, 232. **Top 10 Averages** Fellows 169, Scharpen, Allman 168, En-gels 165, Schultz 164, Schonberg 161, Smith 160, Henning, Guntrum 158, Muchowski, Hansche 156.

MAJOR LEAGUE Team Standings Won Lost ...18 10 ...17 11 ...15 13 ...14 14 ...12 14 ...12 14 ...11 17 ...11 17 Team Dodgers Braves Giants Cubs Reds Phillies Reds Phillies Cardinals Pirates Top 10 Averages Sensel 167, Fink, Nissen, Sellers 159, Perkowski, Taylor 158, Freed, Buens, Reese, Hinson 157. INDIAN LEAGUE Team Standings Won Lost Team Won Zuni 18 Navajo 15 Patowatomi 13 Apache 12 Mohawk 12 Honi 11 6 9 11 12 12 13

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		(DOW1	(IOWN)		
		Team S	tandings		
Team				Won	Lost
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Mackey				16	15 16
37 .				14	18 18 18
	rgs .	e dise ista a a	•••••	12	20 20

Team and Individual

High team series: Hassebroek, 2438. High team game: Arrow, 872. High individual series: Hassebroek, 535. High individual game: Chavez, 197. Top 10 Averages

McKinley, Duffield 173, Callahan 170, Kerl, Rice 168, Rowe 167, Redburn 166, Johnson, Beezley, Frantz 165.

JUNGLE LEAGUE Team Standings

Team	Won	Lost
Wildcats	 	9
Jions		11
Mustangs	 16	12
Lobos	 14	14
Panthers	 13	15
Rabbits	 13	15
Gophers	 10	18
Bears	 10	18

Team and Individual High team series: Rabbits, 2519. High team game: Rabbits, 890. High individual series: Butler, 564. High individual game: Mills, 231.

Top 10 Averages Duffield 172, Stradford 170, Sandin 169, Clyde 166, Campbell, Butler 163, Northrup, Atkins 161, Mills, Dietrich 160.

CORONADO BRIDGE CLUB RESULTS

Women's Afternoon Bridge and Canasta Bridge

Bridge N-S winners: Mrs. H. C. Redding — Mrs. G. W. Browning. E-W winners: Mrs. F. P. Means — Mrs. E. R. Parsons. Canasta

Canasta Mrs. Jean Hansen — Mrs. Louis Zelnio.

Duplicate Bridge

October 22 Miss Peggy Arnot — Mr. R. Merkel tied for first with Mr. and Mrs. J. J. Miller. Mrs. E. H. Kerl – Mrs. Hazel Schreek, 3rd. Miss Marguerite Alex — Mr. J. Mesnard,

Work Begins After 700-Pound Elk Is Shot in Mountains

It took two horses working all day to haul out of the mountains the loads of meat bagged by Josue Leo Martinez, 5242, recently. And he got it all with one shot.

Josue was still-hunting on a special permit in the San Antonio Mountains when he made his kill. It was about 10 a.m. on the second day of hunting when he saw a huge elk running up the mountain near him.

When it was about 300 yards away he fired. One shot from his .30-06 Springfield did it. The elk was hit in the chest cavity and dropped immediately.

It took the rest of the day, using two pack horses, to get the 700pound beauty down the mountain.

Josue is keeping the head for mounting. He should, the elk has 14 points, seven to each side.



GEORGE CHAFFEE, 2541-2. rides herd on this tiny brace of nocturnal visitors he discovered in a wastebasket recently. Colder weather is bringing these callers in from the fields and George's female co-workers are only too happy to place him in charge.

Big Antelope Shot By Sandian's Wife

A large antelope with 16-inch prongs was downed recently by Evelyn O'Neal, wife of Lloyd O'Neal, 1915, while they were hunting on the T-O Ranch near Raton, N. M.

It was the first time Evelyn had shot an antelope and Lloyd's understandably proud of her kill for it was one of the largest taken in that area. Incidentally, Lloyd also bagged one.

Information Theory To Be IRE Topic

A paper on "Basic Concepts of Information Theory" will be presented by Dr. Bernard M. Oliver, director of research of the Hewlett-Packard Co., at a meeting of the Institute of Radio Engineers on Nov. 10. The group will meet at the Coronado Club at 8 p.m.

GAS HEATING STOVE, 5500 BTU, gas bathroom heater, pipe and extras, \$25, Beezley, ext. 28161, 3127 Truman, NE.

OR TRADE: '52 model HB Winchester. Johnson, 2842 Bel Air Dr. NE, ext. 21145.

OR TRADE: new three-speed record play-er for deer rifle. Lister, Alb. 6-7311, 432 Dallas NE.

BICYCLE, balloon tires, man's. \$20. Smith, ext. 20281.

FOUR-POWER TELESCOPE and mount-ing for deer rifle. Baca, Alb. 2-5955.

DOUBLE BED, spring and mattress \$20. Lopez, Alb. 3-8550.

BOXER PUPPIES, AKC Registered, fawns, 6 weeks old \$50 and \$60. Tarnaw-sky, Alb. 2-7339.

TWO-BEDROOM HOUSE by owner, walled, lawns, patio, \$1000 down or best offer. Andersen, 920 Palomas Dr. NE, Alb. 6-1854.

LEICA 35 mm. camera, F/3.5 Elmar lens, 1/500 shutter, rangefinder, with case and lens shade. Shew, 1508 Katie St., NE, ext. 22156.

SHULTZ HOUSETRAILER, 20-ft., 1946 model, 2 butane bottles, apt. size range, sleeps 6, \$400. Gabaldon, Alb. 2-5118.

UNFINISHED FURNITURE: Hollywood cabinet headboard \$35; 5-drawer chest \$19; 6-drawer drop leaf table \$20; step end table \$3; 3 straight chairs \$8; new portable timer washer and wringer \$35; portable cooler \$25; metal stool \$3; 10-ft. bamboo blind \$4; 6-place setting Ruby glassware \$6; assorted tools, chicken wire, etc.; split leaf philodendron, 2 vines, 6 ft. tall, needs re-potling, \$10; electric heater \$5; Tendall, ext. 23195.

BUTANE TANK, good condition. Tiley, Alb. 6-0142 after 5.

RIDE for two from Coal and Pine. Sheila Pritchard, ext. 26139.

FARM LEVEL or transit. Poole, ext. 29148.

RIDERS to Los Angeles, leave night before Thanksgiving, return following Sunday. John Evans, Alb. 2-9920.

FOR RENT-

TWO-BEDROOM HOUSE, partly fur-nished, close to school, base and bus stop \$75 a mo. Pitti, Alb. 2-4681 after 5:30.

ROOM FOR one or two bachelors to share large furnished house; individual bed-rooms, automatic washer, storage space, all conveniences, good residential location, moderate costs. Rufsvold, Alb. 7-8932 after 5:30.

NORTH VALLEY 2-bedroom home, stove, washer, woodburning fireplace, \$65. New-man, Alb. 3-9537.

NEW 3-ROOM furnished apt. \$50. Sons, 3038 Arron St., Alb. 3-3661 or Alb. 7-9073.

TWO-BEDROOM unfurnished modern house in north valley, reasonable rent if occupant will assume care of lawn and trees. Haverty, Alb. 4-5813.

TWO-BEDROOM home, attached garage, hardwood floors, service room, land-scaped, street paved, wall, water, and gar-bage paid, unfurnished, 517 San Pablo NE, \$87.50. Chaffee, 1313 Summer Pl. NE., ext. 29149.

ATTRACTIVE 2-bedroom house, land-scaped, walled, fireplace, range, new refrigerator, panel heat, off Pennsylvania near Lorg schools, children welcome. Fogg, AIb. 2-7601 for appointment.

ackfeet9	15
oux	18
Team and Individual	
High team series: Zuni, 3137.	
High team game: Potawatomi, 1065	
High individual series: Gahlwan,	683.
Tigh individual game: Culley, 291.	
Top 10 Averages	
Abbott 182, Nendell 180, Maxwel	11 176.
oyd, Horne, 171, Repetti 167, Burn	

Lloyd, Horne, 1/1, Repetit 107, Databased 165, Bahlman, Boxx 164, Haggerty 163.

4th Mr. and Mrs. N. Carter, 5th.

Mr. and Mrs. N. Carlet, Sti.
October 29
Mrs. G. H. Dugger — Mrs. Phil Schumacher, 1st.
Mrs. M. W. Grieg — Mr. J. R. Smith, 2nd.
Miss Marguerite Alex — Mr. J. M. Mesnard tied for third with Mr. and Mrs.
P. F. Meigs.
Mr. T. Crawley — Mr. D. Parsons, 5th.

Cagers Meet

Organizational meeting of the 1953-54 Sandia Employees Basketball Assn. will be held Nov. 10 in Room B-6, Bldg. 802, at 10 a.m. Today is the deadline for entering teams. Those interested may contact Dick Heim, ext. 29157.



BRAVES' MANAGER, Harold Cushman, gets a hearty handshake from Harold Sharp, 3100, who presented trophies at the recent softball players' party at the Coronado Club. Each member of the Braves' team, winners of the "A" League, received a trophy.



CUB'S MANAGER, Glen English, receives his

trophy and congratulations from Harold Sharp, 3100.

The Cubs won the pennant in the Sandia Employees'

"B" League. Each player on the Cub's squad re-

ceived a trophy.