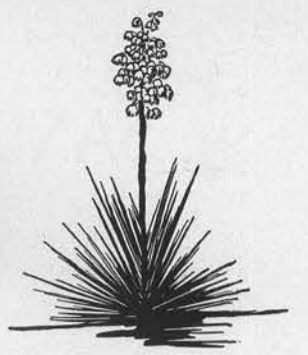


SANDIA BULLETIN



Vol. V, No. 23

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

NOVEMBER 6, 1953



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



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

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 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 Riggan, 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 Riggan; 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.

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.



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.

IRE Members Exchange Ideas; People of Free World Profit

TECHNICAL SUBJECTS ATTRACT THESE ENGINEERS

One day recently a number of 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 "De-bunching of Electron Beams."

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

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.

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.

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



Ted Church (left) and Cedric Center
"... an inspiring circle."

Photo by Laskar

papers have been published in the "Proceedings" dealing with subjects ranging from mathematico-physical analyses of engineering problems to commercial applications of engineering methods and products.

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

chairman; and Frank Janza, 5412, antenna and propagation professional group chairman.

"The IRE and its professional group system," says Ted Church, "are aiming at being a model of how a professional society can meet the demanding requirements of an ever-increasing 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.

SANDIA BULLETIN

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

Photography by Photographic and Reproduction Division

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Telephone Ext. 25253



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."

the way we heard it

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 get-togethers. 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 arrangements after the reservation is confirmed by Gene.

The Irrepressible Male

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

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 slip-overs 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.



THE ATTRACTIVE younger set is doing Sandia proud these days—the 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.

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 after-work 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 area.

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 recently 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 McKiernan**, 1261-2.

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.

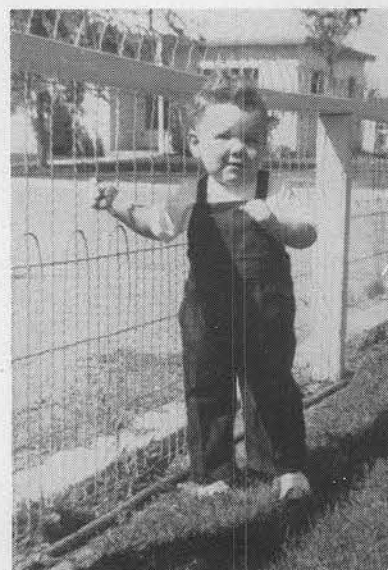
A. L. Hudson, 2334, had a reunion with his cousin during his recent vacation in El Paso. The two hadn't seen each other for 43 years.

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

Around the Departments



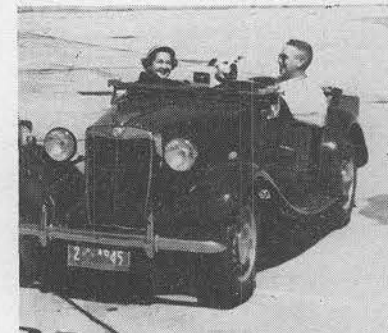
VERONA COOPER, 1641-5, became the bride of **Robert W. Thompson**, 1732, October 23. The wedding party included **Maurice Gowdey**, 1713, and **Mrs. Gowdey**, Verona's sister, and two of Bob's co-workers in 1732, **Robert Morgan** and **Joe Gregory**. The newlyweds took their honeymoon trip in Arizona and New Mexico. They will be at home soon at 3225-D 34th St., Sandia Base.



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.



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 crevasse.



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.

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 visiting Carlsbad Caverns.

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

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 injury. **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.



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.

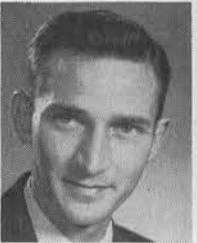
Promotions

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

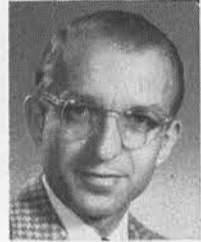


Prior to joining us she spent two years employed as a secretary for a Certified Public Accountant in Oklahoma City. A native of Oklahoma, Dorothy took the secretarial position following her graduation from high school in Oklahoma City.

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 ordnance engineer with the Ordnance Ammunition Center, Joliet, Ill. Previously he worked half a year as a quality control engineer for Fairbanks Morse & Co., Beloit, Wis. Before that Carl spent two 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 University of Wisconsin.



RICHARD E. BURNAM to section supervisor, 1921-2. Dick came here in April, 1952, following 10 months as insurance claims adjuster in Albuquerque. Before that he worked six months in real estate sales with Albuquerque Realateria and a year as 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., 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.

Vibration, Shock To Be Discussed At ISA Meeting

Vibration and shock, the long-time "bugaboos" of precision engineering, 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 world-famous 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.

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.



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

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.

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, 304 1/2 Dartmouth Dr. SE, on Nov. 11 at 8 p.m., according to E. Lee Deeter, 5430.

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	1242
John M. Bristol	1541
James H. Stoeber	1612
Allen J. Brewster, Jr.	1641
John W. Hahn, Jr.	1643
Donald M. Locke	1643
Patricia K. Impink	1924
Marian Kruse	1925
Irene E. Leyba	2224
Virginia M. Smeltzer	2224
Ruth M. White	2315
Zula M. Brown	2362
Edgar F. Hoddinott	2411
Hermit Schuette	2415
Catherine Chapman	2461
George Robert Page	2461
Thelma L. Parker	2461
Eleanor L. Martinez	2462
Sally F. Cole	2522
Connie M. Curtis	2531
Onella Ruth Allen	2544
George Thomas Kross	2544
Argelee Burnett	2553
Kathryn W. Jones	2553
Sandra Whitcomb	3153
Nell L. Davis	4222
Cecyl Z. LeFevre	4222
Agnes E. Mahinske	4222

Rockhounds to Swap 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 p.m.

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.

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-si-do'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.

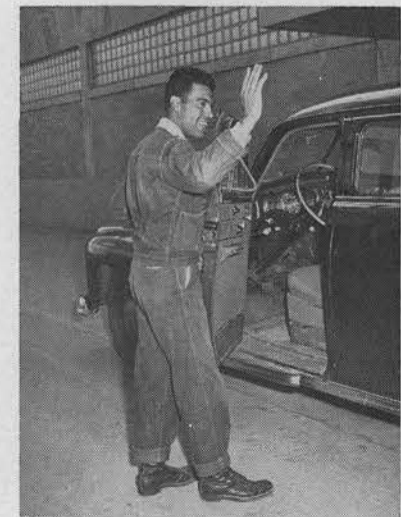
Mr. and Mrs. Duard S. Woffinden, 5415, a son, Edward Ernest, Oct. 26.

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

Mr. and Mrs. Dick Kuphaldt, 5431, a daughter, June Louise, Oct. 28.

Which Twin

Made sure the ladder was safe?



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.

Photos by Dunlap

Chairman Lewis L. Strauss Tells—

The "Why" of AEC Security

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.

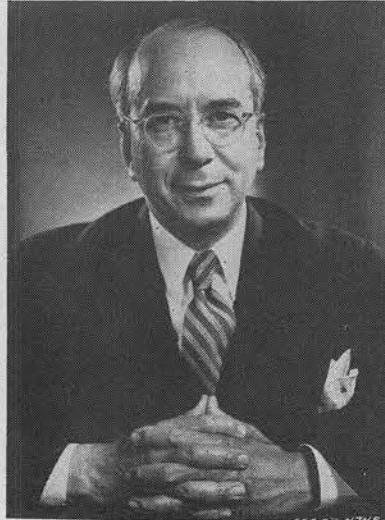
"Every two weeks the Commission publishes, not as a secret document but free as the air, a booklet entitled 'Nuclear Science Abstracts.' In it the interested worker or merely the curious will find under such major headings as biology, mining and metallurgy, engineering and other topics the description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

Much Open Data

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

"Enormous progress . . . has been made since the AEC was first organized. Weapons of truly awesome force have been developed in our national laboratories 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 . . ."



Lewis L. Strauss
"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 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

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 barbecues 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 telephone is 5-6429.

Here's Two Weeks Full of Good 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. Petersen, 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. Petersen 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. Petersen 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.

Bridge Pairs May Enter Competition At Club Nov. 15

The Coronado Club's annual pair bridge tournament will be Sunday evening, Nov. 15, at the club. The winning pair will have their names engraved on the large loving cup kept on permanent display at the Club.

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.

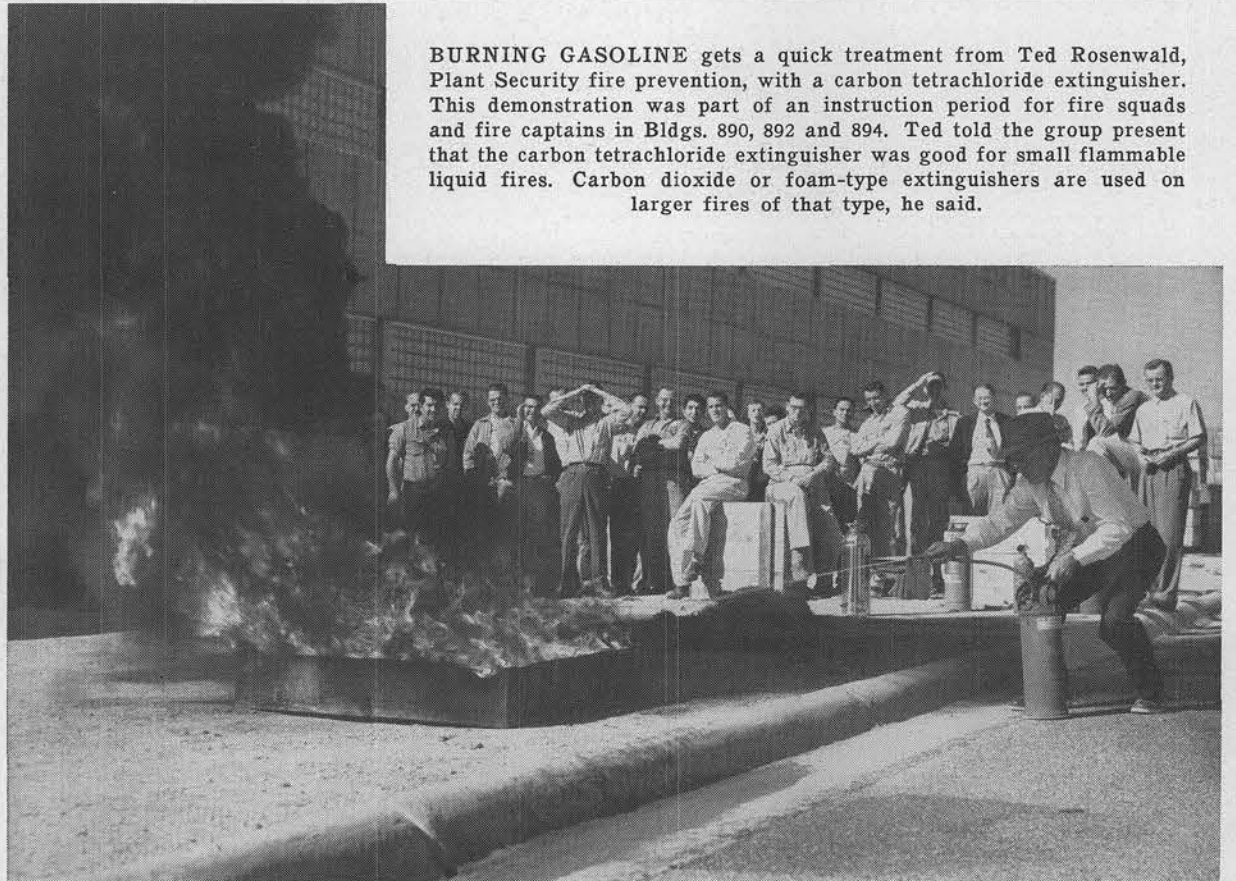
Bad Luck Day Chosen For Dinner Meeting By Magicians Club

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 luck—bad luck, that is.

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



BURNING GASOLINE gets a quick treatment from Ted Rosenwald, Plant Security fire prevention, with a carbon tetrachloride extinguisher. 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.

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.

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.



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.



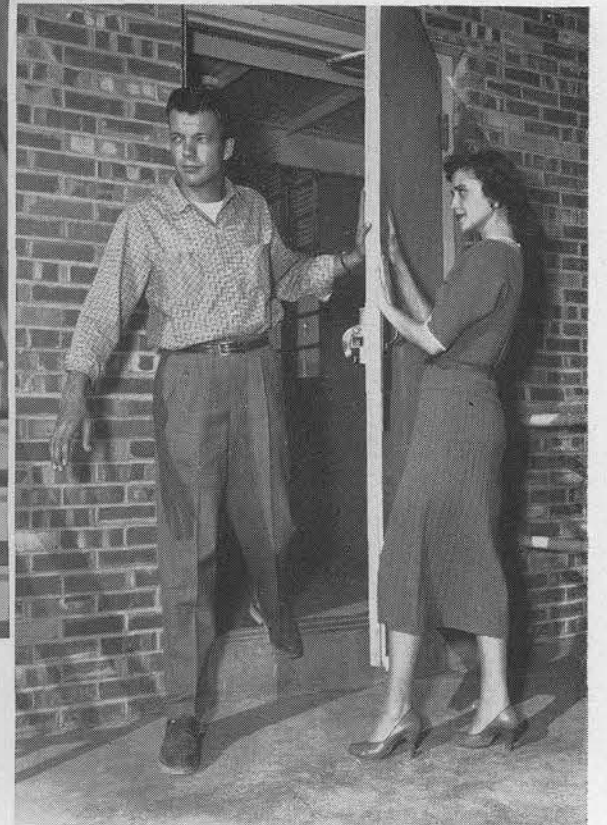
LOTS OF PULL can lead, in this case, to a strained back and a damaged foot. Lawrence McFadden, 1641, has learned to take it easy with desk drawers.



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.



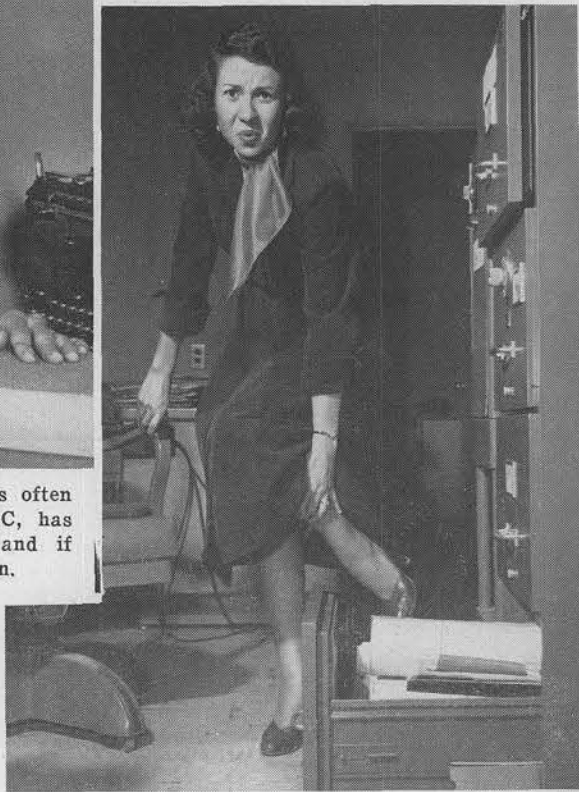
GOING DOWN—perhaps head first—Doris Welch powders her face, catches her heel on the stair and makes a fine candidate for a hospital bed. Marian Hazlewood watches her step and holds onto the railing—for her it'll be a safe trip. (Both girls are in 2461.)



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?

