

# All-Charities Fund Drive Set For Sandia Next Month

Plans for this year's in-plant solicitation in connection with the Albuquerque United Fund campaign were announced this week by D. S. "Dave" Tarbox, chairman of the Sandia Corporation drive. C. E. "Ed" Long, 7223, has been designated Coordinator for the drive and has set up headquarters in building 829.

Following up on a recommendation presented by last year's UF committee, the group has proposed the inclusion this year of several national health service agencies such as Heart Fund, Polio and

Cancer, in addition to the Community Chest and Red Cross. The recommendation was endorsed this week by the Small Staff and information is now being gathered to provide a basis for selection by the committee of the agencies to be included. A percentage allocation of funds will be determined on the basis of past fund drives for the separate groups. This information will be published in the next issue of the Lab News.

Similar to the plan which has been in effect at ACF Industries here for several years, and typical

of similar plans now being adopted widely throughout the country, the new program will solve the problem of how to enable Corporation employees to contribute to nationally recognized charities without conducting additional in-plant solicitations or giving cash in house-to-house drives.

Until a formal organization can be set up, the UF committee for 1957 will serve as an interim planning committee. In addition to Tarbox and Long, the committee consists of: Bob Knapp, 7130, deputy chairman; Luther Heilman,

3200, special advisor; Ted Sherwin, 3125, secretary; Jerry Jercinovic, 7210, special projects; Noble Johnson, 3122, program chairman; Webb Shafer, 2742, representing the Guards Union; Bill Leverenz, 2153, Council representative, and Pete Cook, 5532, Office and Clerical representative.

Principal features of the plan, which will be explained fully in a booklet being prepared for each employee, are:

1. Agencies to be included, in addition to Albuquerque United Fund, will be selected by the em-

ployee committee administering the fund.

2. Employee participation will be voluntary and there will be provision for withdrawal upon reasonable notice.

3. Payments will be made by the Fund each month to the agencies supported.

4. Annual membership drive will be held to coincide with Albuquerque United Fund campaign and employees will be informed in advance as to how the fund will be divided among participating agencies.



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## Educational Aids Program Goes Into Its Second Year This Fall

Sandia Corporation's Educational Aids Program celebrates its first birthday this month with 400 employees from Albuquerque and from the Corporation's widespread locations expected to enroll this fall under the program. The spring semester saw 353 employees enrolled in a wide variety of courses at 10 colleges and universities across the nation.

The current program makes it possible for any employee who successfully completes a job-related course at an accredited university to receive a refund of 50 per cent of his tuition. Those employees who have junior standing or higher are allowed to attend classes which are not available out of hours.

### Attendance Provisions

Juniors and seniors may take their time off for 8 a. m. or 4 p. m. classes. Employees with bachelor's degrees may take their time off whenever the otherwise unavailable class occurs.

"A key decision in the administration of this program is that of job-relatedness of the course or degree sought," says W. H. Bailey, Staff Training and Education Section, 3123-2, who is handling the administration of the program. "If the degree is considered by line supervision as of value to the Corporation mission, any course which is required to attain this degree will normally be considered job-related," Bailey added.

It is not necessary to work for a degree under the program, but if there is no degree objective stated each course will be considered separately to determine that it is job-related.

### Enrollment Procedures

Employees planning to enroll for the fall semester should make application on SC Form 7450-A (8-57) before registering at the university. A new application is necessary with each semester's en-

rollment. These forms are available from Division 3123, ext. 45157. The application requires approval of section, division, department, and superintendent. Division 3123 receives the application after line approvals have been made, reviews it for completeness, and returns one copy of the application to the employee showing final action taken.

Schedules of the University of New Mexico classes are available from Bailey, as well as inspection copies of all current University catalogs. He also assists supervisors in counseling employees who may have questions about the college course best suited for them, and is the "answer man" on matters concerning regulations and registration procedures.

### The Payoff

At the end of the semester, Division 3123 receives a statement of final grade and tuition paid by each employee enrolled under the program. This information is the basis for the issuing of refund checks. The Corporation does not withhold income tax from these refund payments and the responsibility for reporting such payments as income falls on the employee.

### A. B. Metzger Presents Student Scholarships For Civil Engineers

A. Burton Metzger (3210) was the principal speaker at a banquet held by the Associated General Contractors of New Mexico recently in Santa Fe. The Contractor's organization awarded Civil Engineering scholarships to five high school seniors.

Mr. Metzger presented the scholarships and spoke on the history of Civil Engineering and opportunities open to Engineering graduates.

## Albuquerque Civic Group Pays Honor To Richard Bice And Donald Shuster

Albuquerque Junior Chamber of Commerce honored Sandia's Director of Field Testing, R. A. Bice, and D. B. Shuster, Manager of Full-Scale Test Department, during their annual civic service award banquet Aug. 27.

The two Sandians were among 12 persons, to be cited for con-



R. A. Bice D. B. Shuster

tributions to professional or community advancement.

Mr. Bice was commended for his distinguished service to the citizens of Albuquerque as a city commissioner. He has served on the commission since 1954.

Mr. Bice has been in the atomic weapons program since 1945, first at Los Alamos and later at Sandia. In 1954 he assumed his present position. He is also past chairman of the American Society of Mechanical Engineers and is a member of the National Society of Professional Engineers.

Mr. Shuster was honored in recognition of his nomination by the Albuquerque JC's for the "10 Out-

## President Signs Bill Appropriating Funds for Atomic Energy Program

President Eisenhower signed separate bills Aug. 28 appropriating \$2,323,632,500 for the Atomic Energy Commission.

The budget for operation of Sandia Corporation is included in this amount, but the exact amount allotted to Sandia will not be known for some time. Apportionment of the funds by the Bureau of the Budget and the Atomic Energy Commission must be completed before Sandia's budget is known.

As soon as this information is received by Sandia Corporation it will be passed on to employees through the Sandia Lab News.

standing Young Men of America" award. His name was submitted for his contributions in the field of telemetry.

Since Mr. Shuster came to Sandia in 1946 he has been responsible for the development of many technical devices which have direct application in the atomic weapons program.

In his present capacity he has taken part in many full scale nuclear test operations in the Pacific and at the Nevada Test Site and recently has been Associate Test Director for Operation "Plumbbob." In 1956 he was named one of the nation's outstanding young engineers by Eta Kappa Nu.

In charge of arrangements for the JC award banquet was Tom Zudick (3125).

## P. W. Rowe Author Of Technical Article

A technical paper entitled "The Solution of Problems in Aerodynamic Stability by the Litton 20 Computer" by Paul W. Rowe (5141) was issued recently by Litton Industries of Beverly Hills, Calif.

This is the first of two papers by Mr. Rowe to be published by the Beverly Hills concern for the information of organizations engaged in computer operations. The report by Mr. Rowe does not relate to Sandia Corporation activities.

## V-1 Expert Speaks To Local ASQC Organization

Reliability is repaidly becoming the most critical problem of our entire armament program, as the U. S. places more and more emphasis on weapons employing sensitive, complex electronic equipment.



Robert Lusser

So says Robert Lusser, Reliability Co-ordinator of Redstone Arsenal in Huntsville, Alabama, and guest speaker at a meeting of the Albuquerque Section of the American Society for Quality Control scheduled Monday, Sept. 9, at 8 p.m. in Rm. 202 of Mitchell Hall, University of New Mexico.

Mr. Lusser, who was in charge of the development of Germany's V-1 flying bomb during World War II and chief designer of the Messerschmidt 109 and the first Hienkel jet bomber, is convinced that the study of reliability is fast becoming a new science in itself.

Speaking on "The Notorious Unreliability of Complex Equipment," Lusser will demonstrate his theories with a simple mechanical device of his own design, dramatically pointing up the law of probabilities which affect intricate electronic components. The German-born expert who came to this country in 1948 to join the Naval Missile Test Center at Point Mugu, Calif., is a recognized expert on guided missile reliability and the author of several classic studies in this field.

The pre-program Educational Session, a regular feature of all ASQC meetings, will be led by Ralph Whitmore (5511). The public is invited to attend this 7:30 session as well as the 8:00 p.m. meeting at which Mr. Lusser will be the featured speaker.

## SNT Members, Families To Have Picnic Sept. 15

Annual family picnic of the Los Alamos-Albuquerque Chapter of the Society for Nondestructive Testing will be held Sunday, Sept. 15, according to J. C. O'Neal (5511). Members and prospective members will gather at the Los Alamos picnic grounds beginning at 1 p.m.

## Sandia V. P. Sees Long Range Busy Future For Corporation

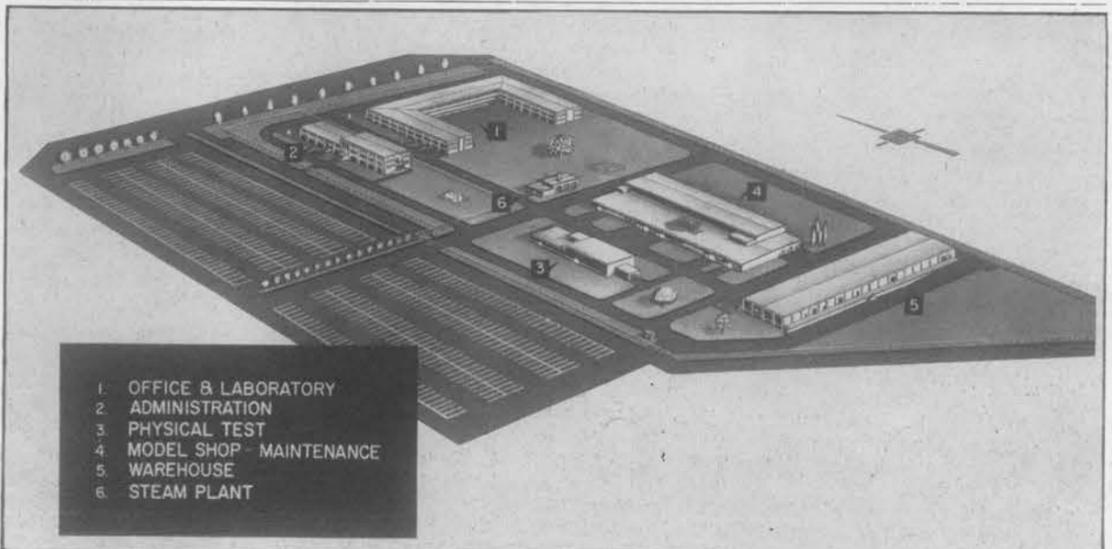
A busy long-range future for Sandia Corporation is forecast by R. E. Poole, Vice President at Livermore. The forecast was made during a talk to Livermore supervisors at the end of the seven-day Supervisory Development Conferences.

Mr. Poole said his personal opinion is that technical advances in the ordnance field and military requirements will insure a full

weapon development load for the Corporation staff for "the lifetime of all of us here" at the dinner.

Mr. Poole, who is the new head of the Livermore Branch of Sandia Corporation, was introduced by R. B. Powell, Superintendent of Personnel and Public Relations.

The training course was conducted by Staff Training and Education Division representatives D. J. Jenkins and J. L. Dyer and was attended by 23 supervisors.



1. OFFICE & LABORATORY
2. ADMINISTRATION
3. PHYSICAL TEST
4. MODEL SHOP - MAINTENANCE
5. WAREHOUSE
6. STEAM PLANT

**BIDS FOR CONSTRUCTION** of the Technical Area for the Livermore Branch of Sandia Corporation will be received by Sept. 24. This will include five buildings: office and laboratory, physical test,

model shop and maintenance, warehouse and steam plant. The administration building, now under construction, is expected to be completed the latter part of Sept. Entire cost is estimated at \$4,166,000.



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## Retire? At Sandia Everyone Gets Ready

You're not too young to think about retirement.

And at Sandia Corporation there's a nice comfortable feeling when thinking about retirement. Take Joe Jones, for instance. He fits the statistical average for Corporation employees . . . about 30 years old, makes around \$5,200 a year. He likes his job and will stay at it until he retires at 65 and, of course, he will have salary increases during these 30 years.

Joe Jones will have a retirement income of \$215.90 a month for as long as he lives. This in addition to his Social Security benefits and whatever private savings and insurance he has accumulated during his life. Social Security benefits would be \$108.50 and if Mrs. Joe Jones is 65 they would receive an additional \$54.30 or \$40.80 if she were age 62.

Joe Jones is looking forward to the security of an assured income during the years after retirement. The bulk of his security will be derived from the Corporation's retirement plan.

During his earning years Joe contributes three per cent of the first \$3,000 of his annual income and six per cent of the remaining \$2,200. His annual contribution to his retirement fund is \$222. Joe works 35 years for the Corporation and during this time contributes a total of \$7,770. This is the basic figure in computing retirement income. The total amount is divided by three to determine the amount of annual annuity and then divided by 12 to determine monthly retirement income.

This monthly income is guaranteed for life. In other words, after three years Joe has received in retirement income everything he has contributed to the plan. But Joe is still healthy and will live another 14 years at least. His checks will keep coming the first of each month.

Upon his death his beneficiary will receive no less than one year's annuity or \$2,590.

Nearly two-thirds of Joe's annuity is paid from contributions by the Corporation. Remember, Joe contributed \$222 annually to his retirement while the Corporation contributions averaged about \$377.40.

Want to figure your retirement income? Try it. It's a nice comfortable feeling.

## Weddings and Engagements

Marriage vows will be exchanged tomorrow evening at the Temple Baptist Church in Albuquerque by Hazel Walters (7232) and Hender-



Hazel Walters

son E. Whitlock of Atlanta, Ga. One of the bridesmaids will be Diane Doherty (2333).

Following a reception at the church, the couple will honeymoon in Florida.

Hazel has worked for Sandia Corporation since last November.

Another Saturday bride will be Yolanda M. Martinez (7225 assigned to 5522) who will marry Paul Adent of Albuquerque at St. Theresa's Shrine of the Little Flower at 9:30 a.m.

Instead of the customary bridesmaids, Yolanda will be attended by 10 little girls.

The couple will honeymoon at Grand Canyon.

The engagement of Mary M.

Sherman (3154) to Lawrence B. De Saulniers (7123-1) was recently announced. The couple will be married Oct. 12 at St. Francis de Sales church in Lake Geneva, Wis.

Elaine Schwid (3154) chose Sept. 1 as the date of her marriage to Jacob Hughes, a student at the University of New Mexico.

The wedding at the Congregational Church was attended by her parents, who recently returned from Afghanistan.

After a wedding trip to northern New Mexico the couple will be at home at 305 University NE, Apt. 7.

## Congratulations

Born to:

Mr. and Mrs. Paul Elkins (5234) a son, Robert Lee, on Aug. 18.

Mr. and Mrs. John S. Williams (7412) a daughter, Beverly Jean, on Aug. 22.

Mr. and Mrs. Lawrence Dyer (7231) a son, Paul Lawrence, on Aug. 2.

Mr. and Mrs. W. T. Price (2542) a son, Kelly Bo, on Aug. 28.

Mr. and Mrs. J. A. Beaudet (2543-1), a son, Christophore Mark, on Aug. 28.

Mr. and Mrs. Bill Roherty (5121) a daughter, Claudia Marie, on Aug. 23.

Mr. and Mrs. Thomas Mickey (2121-4) a daughter, Nancy Sue, on Aug. 11.

## Sandianotes . . .

### Iturbi Appears With Civic Symphony For Season's Opening Concert Oct. 15

#### Wedding Anniversaries

Ralph Calvert (1262 on loan to 5121) and his wife observed their 20th wedding anniversary on Sept. 2.

Pearlie (2721) and Loyd (4152) Kelley celebrated their 20th wedding anniversary on Aug. 20.

Mr. and Mrs. Walter Scott, 7424, celebrated their 22nd wedding anniversary on Sept. 3.

Another anniversary will be marked Sept. 12 by Joe Weihe (5122) and his wife who will observe 15 years of marriage.

#### Rio Grande Adventure

George Steck (5125) is bringing up his sons to be real "floaters."

On a recent week-end George and his wife, their two young sons, and H. H. Patterson (5250) drifted approximately 25 miles down the Rio Grande on a 12-foot rubber raft. The five started at Otowi Bridge and waded out of the river at the Cochiti diversion dam. Mrs. Patterson was the expedition's driver.

#### Sketchers Wanted

All persons interested in sketching are invited to contact Dorothy Reinersten (2721-3), ext. 29165, regarding organization of a Sketching Club.



FIRST IN THE FOOD LINE was G. E. Hansche (left) with D. W. La Coss (right) displaying a boardinghouse reach during the recent division 5130 picnic in the Jemez Mountains. Five families, including La Coss, F. W. Neilson, R. S. Claassen, G. W. Anderson and G. W. McClure, camped out all the night before at the picnic site and enjoyed every rain-soaked minute of it.

#### Square Dancers Wanted

The newly-organized Allemanders Square Dance Club is looking for dancers of intermediate or better ability.

The group plans to hold dances the first and third Fridays of each month at the Jefferson High School cafeteria from 8:30-11:30 p.m.

For additional information call Charles Clendenin (5242-1), ext. 25252.

### ASTE Dinner Meeting

A movie, "Progress in Precision," will be shown at a dinner meeting of the Albuquerque Chapter of the American Society of Tool Engineers Thursday, Sept. 12, program chairman Leonard Nelson (2711) reports.

The movie and a question and answer session will be presented by Andy Groom of the Micromatic Honing Corporation, Los Angeles. The meeting will begin at 7 p.m. at the Hilton Hotel.

### Statistical Association Program Includes Two Sandia Employees

The annual conference of the American Statistical Association and the Institute of the Mathematical Statistics will be attended by Don Owen and Jack Wiesen (both 5125) from Sept. 9-13 in Atlantic City.

Don will preside over a meeting of the mathematical tables committee, of which he is secretary and vice-chairman.

Jack will be moderator for a meeting on "Fractional Replication in Industrial Experimentation."

Tickets for Albuquerque Civic Symphony concerts for the coming season will go on sale beginning Monday. Reserved seats will be available for the first time in the Symphony's 26-year history. All concerts will be held in the new Civic Auditorium.

Serving on the Board of Directors of the Symphony are Kenner F. Hertford, Manager ALO; Kimball Prince (6000) and Charles E. Runyan (2120). Howard T. Stump (3164) is treasurer.

Six concerts will be held with the first scheduled Oct. 15 featuring guest artist Jose Iturbi, renowned pianist. Other artists scheduled in the series are Joseph Schuster, first celloist with the New York Philharmonic orchestra; Sylvia and Benno Rabinof, piano-violin duo; Jorge Bolet, pianist from Cuba; and William Wilcox, tenor. Mr. Wilcox is a member of the University of New Mexico music faculty.

Also a featured guest artist will be John Irwin, pianist who won the Young Artists Competition sponsored by the Symphony in Albuquerque last year.

Tickets are available on Base from Mrs. Kimball Prince, ext. 29196, Mrs. S. P. Schwartz, ext. 20284, and Mrs. Harry Joslin, ext. 49183.



BACK HOME after 19 years went Charles Ross (2232) and his wife, who included a brief visit to Dimondale, Mich., on their recent vacation by car.

#### Taking Scout Training

John Alexander, 15-year-old son of F. C. Alexander, Jr. (4111), has completed a 26-day Boy Scout Junior Leader training camp at Philmont Scout Ranch near Cimarron, N. M.

The scouts are selected by their local council scout office and are qualified to instruct other Junior Leaders upon completion of the training.

The entire course is conducted in various trail and base camps of the Philmont Ranch, which covers some 100,000 acres. Wilderness travel, night orientation, patrol and troop organization, camping and program planning are all skills included as part of the training.

#### Postponements Welcome

Delays in scheduled tests at Nevada Test Site didn't bother Herman Calvery (2721) when he was in Nevada recently. On weekends, "Cal" enjoyed a luxurious suite at The Dunes as guest of his nephew, who is part owner of the swank hotel.

Cal's souvenir of the trip was unique — third degree burns (from the sun) on his ankles.

#### Aloosters Meet

Three chapters of the recently organized Alooster Club (ALOO-AEC employees interested in speech-making) held their first dinner meeting at the La Cana room of the Coronado Club on Aug. 21.

Chairmen of the Alpha, Beta and Gamma chapters are Harvey Mynatt, Jr., Wade Palmer and Pearson Crosby. The chapters are holding weekly meetings and present plans call for a joint dinner meeting quarterly during the year to exchange ideas.



BANFF CHAIRLIFT in the Canadian Rockies was a high point of Frances Sheaffer's (7423) recent three week vacation. Husband Wilbur (5215) and their daughter, Joyce, also made the trip.

## New 5100 Department Organized For Fundamental Research At Sandia

A new department has been established in Sandia Corporation Research organization and will be headed by Richard S. Claassen, formerly head of the Fundamental Research Division in 5130. To be known as Physical Sciences Department 5150, the group will undertake fundamental research not directly related to specific weapons under development.

Department 5130, headed by G. E. Hansche, will be known as Physical Research Department.

"Fundamental research at Sandia," says Glenn A. Fowler, Vice President, Research, "is the quest for new knowledge and understanding in scientific fields related to Corporation activities." Mr. Fowler contrasts this activity with applied research which is more concerned with new applications of proven principles.

"Fundamental research is all related to Corporation activities and responsibilities, but the individual programs seek a basis and detailed understanding of the principles underlying practical applications."

Mr. Fowler says the organization will add to the strength and stature of Sandia as a research and development laboratory in atomic ordnance. This will come about in several ways:

The familiarity of this group with the general program and specific problems in the ordnance field, coupled with active investigations in related fields, should lead to inventions or discoveries of interest and assistance to design engineers.

Through active participation in scientific research the latest scientific developments throughout the country can be made available more readily to weapon development programs here.

Within Sandia's own staff will be experts in certain fields close to the problems on which Sandia is working. These men can be of direct assistance to other staff members confronted with problems within the experts' sphere of knowledge.

The work and the reputation of Sandia Corporation will become better known by publications reporting results of fruitful scientific programs.

**WILBUR V. "Bill" McGUIRE** to supervisor of Drafting Section B VI, 7412-6.

For the past five years Bill has worked in drafting organizations for Sandia Corporation.

Previously he was a designer for Pullman Standard in Chicago for five years. His other drafting experience includes two years with Barnes & Reinecke Engineering Company in Chicago and three years with Allis Chalmers in Milwaukee.

During World War II Bill served three years in the Navy as a pilot on carrier-based planes, mainly in the Pacific.

He attended high school in Milwaukee.

**JOHN C. L. LESLIE** to supervisor of Systems Development Section 4111-2, Production and Engineering Methods Division.

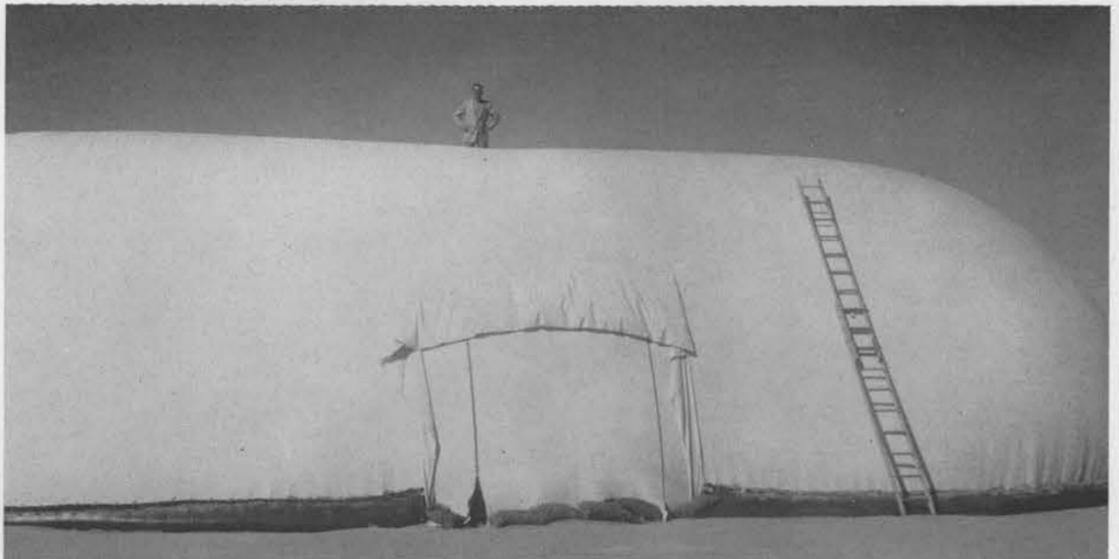
During John's five years at Sandia he has worked in engineering, military liaison and classification. Recently he was a Research and Development representative on the special IBM 705 study committee.

John previously worked three years for Chance Vought Aircraft in Dallas as an industrial engineer and for eight years was in the importing business in New York.

During World War II he was a B-17 pilot in the Army Air Corps and served in the European theater during his three years' duty.

He studied mechanical engineering at the University of Vermont and New York University and received a BS in industrial engineering from the latter.

He is a member of the American Rocket Society.



**AIR STRUCTURE** of this type will house Sandia Corporation's exhibit at the New Mexico State Fair, Sept. 28-Oct. 6. The balloon-type inflated building

will be located west of the new Coliseum on the Fairgrounds. J. W. Tanner (7232) atop the structure demonstrates its strength and flexibility.

## Supervisory Appointments

**DONALD R. MORRISON** to supervisor of Computer and Numerical Analysis Division 5126, Systems Analysis Department.



During his year and a half at Sandia "Don" has worked in organization 5120.

For the previous five years he was an assistant professor of Mathematics at Tulane University in New Orleans.

Don obtained his PhD in Mathematics at the University of Wisconsin in 1950, his Master's at the same school in 1947 and a Bachelor's degree at Northern Illinois State College in 1942.

During World War II he served three years in the Navy, part of the time as a division radar materials officer for destroyer escorts in the Pacific.

He is a member of the American Mathematical Society and the Mathematical Association of America.

**RICHARD S. CLAASSEN** to Manager of the newly organized Physical Sciences Department 5150.

"Dick" joined Sandia Corporation in March 1951 as a staff member in the Electromechanical Division of the Research organization. In December 1952



he was promoted to supervisor of Experimental Research Division, later changed to Fundamental Research Division.

He received a PhD in Physics from the University of Minnesota in 1950, a MS from Columbia in 1947 and a BS in Physics from Cornell University in 1944. He took undergraduate work at Hamilton College.

After obtaining his BS, Dick worked two years as a research assistant with the Manhattan Engineering District, New York City.

He is a member of the American Physical Society.

**EVELYN L. GARMAN** to supervisor of Key Punch Section 4135-4, Vouchering and Tabulating Division.



Evelyn has worked in the same division as a key punch operator since she came to Sandia in January 1950.

Formerly she lived in Peoria, Ill. There she was employed for two years by Keystone Steel and Wire Company as a key punch operator and for five years by Altofer Brothers, appliance manufactures, in payroll work.

Evelyn attended Brown's Business College in Peoria.

# 1957 N. M. State Fair Exhibit to Show Unusual Working Models

Moving into final stages of preparation is Sandia Corporation's exhibit for the New Mexico State Fair, Sept. 28 through Oct. 6. Augmenting the theme of the display—"Science: Protection for Today—Progress for Tomorrow" will be working scale models of some of Sandia's advanced testing equipment.

A scale model of the nuclear reactor facility planned for Area III is being prepared by Materials Standards Department 1620. An improved model of the rocket sled and track is being designed and

developed by Test Laboratory Department 1610. The scale model rocket sled will travel 35 mph down a 30-ft. track and will be stopped by a water brake.

Also designed by 1610 Department will be a sonic energy display to demonstrate the effects of sonic vibrations on materials. It has been dubbed the "singing shaker."

Electrical and Mechanical Design Division 2443 is preparing an "anti-gravity" display to show the behavior of objects when gravity is apparently nullified. A small

supersonic wind tunnel is being developed by Aero-dynamics Department 5140. The display will have transparent walls, enabling visitors to observe the effects of high speed air flow over a variety of model shapes.

Housing the entire Sandia exhibit will be a giant air structure, 80 feet long and 40 feet wide. The inflated building, somewhat resembling a balloon, will be located separate from other displays west of the new Fairgrounds Coliseum. It will be the first time such a building has been displayed here. It is one of several such structures in use by Field Test for temporary labs and storage.

Construction of the scale models is being done by skilled craftsmen and technicians in the model shops of the 2100 organization. Plant Maintenance Department 2410 is responsible for all cabinet making, carpentry and painting as well as providing assembly services for all the Sandia display.

Plant Engineering Department 2440 is coordinating overall engineering and design planning necessary for the Fair exhibit. Murals and art work are being provided by Technical Art Division 2463 and Photo and Reproduction Division 2462 is contributing photographs to the exhibit.

Planning for the State Fair exhibit was done by Sandia's State Fair Committee. Members are W. A. Gardner (1610), J. E. Tillman (2410), H. E. Lenander (5220), J. P. Shoup (1413), E. H. Craven (2443), W. W. Ives (2463), T. B. Cook (5111) and T. B. Sherwin (3125), chairman.

## Health Hints

### Doctor Recommends Keeping in Good Physical Condition To Avoid 'Flu'



By Dr. S. P. Bliss, Sandia Corporation Medical Department

Recently there has been a great deal of publicity regarding the "Far East" or "Oriental" influenza. News reports from the Far East indicate that epidemic influenza has been occurring on a large scale since April 1957. Hong Kong, Singapore, Taiwan, the Philippines and parts of India have all reported high incidence.

The attack rate is said to be high, sometimes reaching 25 per cent. However all clinical reports indicate that the disease is short-lived, mild and uncomplicated. Very few deaths have occurred and these have been almost entirely confined to the very young and the very old.

#### World Wide Spread

With the speed of modern transportation there has been much concern about a world wide spread. A number of strains of the Far Eastern influenza virus have been isolated and subjected to intensive study in this country. Researchers have discovered that despite the fact that these strains are similar to known strains there are major differences to indicate that present vaccine would be ineffective. This assumption was further strengthened by the fact that U. S. Armed Forces personnel in the Far East who had been vaccinated with existing vaccine appeared to be as susceptible to the Far East influenza as those who had not received the vaccine.

At the present time most drug companies are mass producing the new vaccine. The Armed Forces have first priority on the new vaccine; therefore, it will

probably not be available for the public until fall.

At the moment there is no information available on the effectiveness of the vaccine or on the duration of protection that the vaccine might give. If it follows the pattern of known influenza vaccines, it will probably afford protection only for a relatively short period of time, i.e., one to three months.

The American Medical Association, the State and County Medical Societies have kept abreast of the problem and are prepared to provide all necessary help in the event there might be a local outbreak of the disease anywhere in the country.

It is important that the above information be kept in mind, especially the fact that immunity is of relatively short duration. Above all discuss the problem with your family physician and heed his advice.

It is better that you do everything possible to keep yourself and the members of your family in the best physical condition possible. Now is a good time for you to have a health inventory, especially of those members of your family who fall into the most susceptible groups, the very young and the very old.

#### See Your Doctor

See your doctor, get a complete physical examination and follow his instructions in order that you might be in top physical condition if an outbreak should occur. Maintain a good state of nutrition, avoid fatigue and over exertion, avoid large crowds of people whenever possible and report immediately to your physician any symptoms of extreme fatigue, muscular aching, headache or sore throat.

In the clinical reports received the secondary bacterial infections appear to be causing more illness and death than the actual influenza itself. Thus it is imperative that everyone should report to his physician any of the above symptoms which would make him suspicious of having contacted the disease.

## Dick Charlton to Live in California After Retirement

When A. Richard Charlton first came to Albuquerque in 1946 it was merely to stop by and say "hello" to friends — he never left.

Now "Dick" has completed eight and one-half years at Sandia and will be retiring this month.

For the past year he has been a spare parts engineer in 7111-1, before that he was in field testing work.

Dick's first job in Albuquerque was at the New Mexico School of Mines Laboratory in what is now AEC-ALO headquarters.

Dick and his wife live at 1229 Girard NE, however, they anticipate moving to Southern California for health reasons.

Leisure hours will be a boon to Dick who has more hobbies than time to pursue them. In addition to woodworking he enjoys gardening, fishing, reading and many other activities.



A. R. Charlton



**PENNANT** awarded to Sandia Corporation by the Department of Defense "for outstanding cooperation with reservists and Reserve activities" is displayed during presentation ceremonies by (L to R) C. J. McGarr (2200), commanding officer of the 9174th Air Reserve Group; James W. McRae, Sandia Corporation President; Maj. Gen. W. M. Canterbury, Commander of the Air Force Special Weapons Center; and Sigmund P. Schwartz, Corporation Vice President and General Manager.

## Sandians Who Serve

This is another in a series of articles describing the community activities of Sandia Corporation employees.

When recent heavy rains threatened homes in low-lying parts of Albuquerque members of the Civil Defense organization were on hand to assist and coordinate rescue activities.

Among the 40-45 Sandia Corporation employees who take an active part in this community service is M. J. "Red" Madlener (1471), who has been Civil Defense operations officer in Albuquerque for the past two and one-half years.

Red's duties call for him to establish systems of operations, recruit staff personnel and participants for operation exercises, outline and handle training programs, conduct the home protection corps instruction course and help acquire needed equipment.

Alerts are presently coordinated through the Civil Defense headquarters at 1120 Stover SW. A new plan calls for seven warning posts to be set up in "danger spots" throughout the city when weather conditions threaten to damage property or endanger

lives. The warning posts will have liaison with the local American Red Cross unit and the Army Corps of Engineers if their assistance is needed.

Sandians active as members of the Radio Amateurs Civil Emergency Services include Frank Low (1612), communications officer, Charles Spriggs (2463), communications chief, and equipment operators Jim Lareau (1626), Willie Petty (5513), Carl Franz (1471), and J. Brooks Braffert (1413).

In addition to being ready with his amateur radio-equipped jeep to assist in any emergencies Red is also kept busy with a couple other civic projects. He is secretary-treasurer of the Albuquerque Roundtable, a service group which provides toys on a year-round basis for children at the County Indian Hospital, and is vice president of the Sandia Mountain chapter of the Isaac Walton League. It's in connection with this group that Red plays his favorite role—that of "Smoky the Bear" on TV. Red explains, "The big fur costume fit me the best!"



"Red" Madlener  
—ever ready when needed—

### Worker Finds Billfold Saves Planned Vacation For Carroll Davis

Carroll Davis (7411) almost missed out on a vacation trip to San Francisco.

The Friday before he left Carroll tried to buy some travelers cheques at the Corporation but found he would have to go to a bank for the desired denominations. On his way back to Bldg. 894 he stopped at the news stand in the front part of Bldg. 800 for a package of gum.

After Carroll returned to his desk Plant Security called to report his billfold had been turned in by Manuel Romo, an employee of the stand.

Carroll hadn't missed his billfold, but he certainly would have missed the \$400 in it.

### Bowlers Wanted by Club Indian League

Several vacancies exist for bowlers on teams of the Friday night Indian League at the Cornado Club. Earl Simonson (4152) reports. Anyone interested in joining this 80 per cent handicap league is urged to contact Earl at ext. 25145.

### 2100 Wins Top Honors In Softball Tourney Defeating AEC Team 7-1

Team 2100 emerged winner of the Sandia Employees Softball Tournament by defeating AEC 7-1 last week. In the semi-finals 2100 downed 1200 10-8 and AEC edged 5200-1 12-9.

Scoring four runs in the first inning on three hits, 2100 sewed up the championship early. Pitcher Cliff Taylor's double drove in two of the runs and he later came home on another double by Bruce Higgins.

Following the final tournament game, the season's all star players chosen by their teammates divided into two teams for an exhibition game.

Art McMullen (1423) and his "Sidewinders" defeated the "Snarks" of Ed Peterson (2154) 8-4. About 125 spectators dashed for cover when the game was temporarily interrupted by rain.

The all star game will become a regular feature of the softball season according to Employee Services 3122. Players are chosen for outstanding contributions during regular league play.

Chosen for this year's teams were the following all-stars:

**Snarks**  
Ed Peterson (2100), manager. Vic Roh (1200) and Jack Renaud (4100) assistant managers.

Gene Cook (5200-II), Julian Lovato (7400), M. O. Jones (1600), George Hildebrand (2500), Phil Pettigrew (7200) and Ernie Chaves (4100), outfielders. Rene LeTourneau (1200) and Harold Cushman (2500), catchers.

Cliff Taylor (2100), Jim Manweller (1200), Ken Gillespie (1400) and Walter Mooney (2100), pitchers.

Paul McIntosh (5200-II), Vic Sirwinsky (1200), George Duffield (5200-I) Sam Toledo (2200), John Adams (AEC), Pete Fisher (2100), Bill Snyder (1600) and Jim Tichenor (5100), infielders.

**Sidewinders**  
Art McMullen (1400), manager. Joe Danclovic (3100), assistant manager.

Bill Doyle (3100), Joe Costales (4100), Verle Swinney (7400), Don Yearout (1200), Marion Scott (2200) and Dick Peterson (2400), outfielders.

Gordon Ross (3100) and Luther Martinez (2300), catchers.

Archie Smart (AEC), Marv Steputis (3100) and Dale Landis (7400), pitchers.

Rush Robinette (5200-I), Frank Comisky (7200), Ted Trybul (5100), Foy Graves (2400), Ron Bump (5500) and Tony Garcia (2300), infielders.

### Service Awards

#### 10 YEAR PINS



Homer L. Crumley, Jr.  
2314-2  
Sept. 9, 1947



Lee Toliver  
7423  
Sept. 15, 1947



Claude H. Crass  
2415  
Sept. 8, 1947



Frederick H. Dieber  
5522  
Sept. 10, 1947



Ralph E. Fisher  
1621  
Sept. 10, 1947



James P. Taylor  
2152  
Sept. 8, 1947

**TWO YEAR CERTIFICATES**  
Sept. 6-12  
Chandra L. Carson 2461, Andrea G. Gabaldon 7225, Patricia J. Gutierrez 2532, Sue R. Baggett 2521, Margaret M. Goering 3152, Alice V. Hodyke 2312, Donald M. Libby 7321.  
Sept. 13-19  
Robert Lowery 5522, E. Benson Pearson 5524, Paul I. Gaither 2521, Edwin D. Machin 1451, Theodore L. Forcum 2234, James H. Halls, Jr. 2481, Betty G. Pickel 2300.  
Wayne L. Cyrus 7411, Edward G. Paboucek 7411, Arthur Huchmala 7412, Irma N. Buffett 5111, Hilario Garcia 2112, Floyd C. Elder 4161, Elsie B. Sandy 7221, Oscar C. Braune 5523, John H. Vondreele 1472, and Louis Yannoni 2351.

**FIVE YEAR AWARDS**  
Sept. 6-12  
Orval M. Raymer 2472, Walter C. Hunter 1651, John J. Marron 1263, Edward D. Herrity 2314, Evelyn F. Chenot 2544, Gilbert S. Wallace 2552, James R. Holpp 7310.  
Sept. 13-19  
Cyril G. Ramin 4153, Walter J. Halpin 5131, Eldon W. Coomes 7311, Thomas G. Banks, Jr. 5252, Bonnie P. Chavez 4135.  
W. A. Warren, Jr. 2331, Robert E. Thompson 4111, Evelyn M. Rodger 7121, Robert A. White 1263, and Neal K. Howard 2111.

**10 YEAR PINS**  
Sept. 13-19  
Catherine E. Cundiff 1611, Irvin W. Janney 5222, Mearle G. Hicks 1262, K. E. Pilkington, Jr. 7411, Oreste Ganzerla, Jr. 2463, Edith M. Duffy 5512.  
Thomas M. Myers 1621, Priscilla A. MacPherson 2221, Howard W. Benischek 2343, Goebel Davis, Jr. 1264, Harvey W. Tappan 1462, and Jeanne S. Simmons 2713.

### Welcome Newcomers

Aug. 19-30

<b>Albuquerque</b>	Sue C. Brown	4135	<b>Kansas</b>	Forest L. Baker, Valley Center	2530
	Pauline L. Brown	2553		Curtis M. Warthen, Lawrence	1614
	Nancy L. Carmany	4142	<b>Louisiana</b>	Earl W. Scott, Shreveport	2723
	Teresa L. Cimino	4142	<b>Massachusetts</b>	Bruce A. MacDonald, Cambridge	2514
	Carole Y. Clayton	4142	<b>Michigan</b>	Tomas C. Santos, Ann Arbor	5124
	Julie M. Cordova	2711	<b>Nebraska</b>	William L. Clement, Lincoln	2541
	William A. Crosley, Jr.	5233	<b>New Jersey</b>	Gordon W. Cummings, Bloomfield	2153
	Philomene L. Hempen	2544	<b>New York</b>	Crawford J. MacCallum, Ithaca	5133
	Patsy P. Hunter	4142		Alex McDougall, Nelsonville	2711
	Hugh R. MacDougall	5233		Oren L. Worden, Alfred	7113
	Ira D. McKinney	5214	<b>North Dakota</b>	Ronald R. Zottnick, Edgeley	2511
	S. Jean Miller	2333	<b>Ohio</b>	Ray Kidd, Cincinnati	1473
	Elouise Pearl	4142		John D. Hirschcock, Mayfield Heights	8112
	Oreste L. Puccini	3153	<b>Pennsylvania</b>	George W. Chandler, Drexel Hill	2514
	Esther G. Reveles	4142	<b>Texas</b>	Donald R. Deatherage, Fort Worth	2711
	John W. Richardson	2521		Earl L. McFadden, Houston	2154
	Millie M. Rush	2461		Albert B. Robertson, College Station	1473
	Virginia S. Schaub	4142	<b>Virginia</b>	John P. Hoice, Norfolk	1455
	Florence E. Smythe	4142	<b>Washington</b>	Joseph W. Majka, Kent	8122
<b>California</b>	Gerald Miles, Englewood	4112		Robert W. Weaver, Shelton	8112
	Eustolia M. Ochoa, Livermore	8132			
	Thomas K. O'Kelley, Palo Alto	8142			
	Jeanne R. Smith, Livermore	8132			
<b>Florida</b>	Otto H. Schreiber, Gainesville	1291			
<b>Illinois</b>	Lisle E. Hubbard, Moline	2121			
	Arthur A. York, Chicago	1291			
<b>Iowa</b>	Kenneth A. Sabisch, Sioux City	1624			



**METROPOLITAN CHAMPIONS** for the second year in a row, Brunacini Appliance team shown here won the crown of the Duke City Softball League with a 6-5 win over Kirtland Air Force Base recently. In the first row (L to R) are Matt Bustos (2232), Harold Thomas (2722), Jim Kelly (2224) and Fred Harris (Albuquerque). In the sec-

ond row are Harold Cushman (2541), Roland Kurth (Albuquerque), Gene Morrison (Albuquerque), Jack Reynolds (7214) and Nick Pauletich (2522). In the back row are Cliff Rudy (2441), Robert Bailey (5532), Sam DeHaan (2223) and Herb Filusch (now on military leave from 1225). Standing (right) is John Hart (1451), who is team manager.

### O. D. Wray Retires After Six Years in Housing Maintenance

Retirement has started for Orval D. Wray, a Corporation employee for six and one-half years, who worked principally in Housing Maintenance Division, 2418.



O. D. Wray

"O. D." was a painter and was responsible for many of the bright, clean walls in the Coronado Club, AEC houses and apartments.

During his years at Sandia he was quite active in the recreation program, participating with his co-workers mainly in horseshoes and pingpong. He is also an avid spectator and never misses a high school or a college football game in Albuquerque.

O. D. and his wife have made their home in Albuquerque for 15 years and live at 4716 Crest Ave., SE. Their two sons live in Farmington and Albuquerque.

The Wrays plan to vacation in Colorado for several weeks this month.

### N. T. 'Pop' Jones to Retire After Eight Years at Sandia

Nelson T. Jones, supervisor of Administrative Division, Plant Security Department, will retire in mid-September after eight years at Sandia.



N. T. Jones

"Pop," as he is generally known, came to Sandia in Aug., 1949, after one year with the AEC.

This is Pop's second retirement. In 1947 he retired from the U. S. Army with the rank of Captain after 33 years of service. He was overseas 19 months during World War I, served in Mexico under Pershing and was Provost Marshal in Nice and Cannes, France, at the end of World War II.

Now he plans to spend most of his time on the golf course. Pop and his wife live at 1614 Ross Pl. SE.

### List 'U' Courses of Most Interest To Sandia Corporation Employees

Schedule of evening courses available in the University of New Mexico Community College this fall has been announced. Complete information is available from Staff Training and Education Division 3123, Bldg. 300.

Among the credit courses offered are the following of interest to Sandia Corporation employees:

**Business Administration**  
Business Law, Credits and Collection, Advertising, Investments, Management, Fiscal Policy and Principles of Organization and Business.

**Accounting**  
Principles of Accounting 5A, Principles of Accounting 6L, Intermediate Accounting, Governmental Accounting, Auditing.

**Economics**  
Introduction to Economics, Consumer Economics, Economic Theory.

**Civil Engineering**  
Strength of Materials, Fluid Mechanics, Advanced Strength of Materials, Advanced Plain Concrete Design, Soil Mechanics, Research and Test of Highway Materials.

**Electrical Engineering**  
Fundamentals of EE 51C, Fundamentals of EE 51D, AC Machinery, Bases of Communication

Theory, Transients in Linear Systems, Electro-magnetic Waves, Principles of Communications Systems, Advanced Control Systems.

**Mechanical Engineering**  
Dynamics 106A, Dynamics 106B, Dynamics 106D, Seminar 172, Fluid Dynamics.

**Physics**  
General Physics 51A, General Physics 51B, General Physics 51-LQ, 51LR, 51LS, General Physics 52, General Physics Lab 52LF, Optics Lab and Geometrical Optics, Electricity and Magnetism, Contemporary Physics, Static Mechanics, Quantum Mechanics.

**Mathematics**  
Intermediate Algebra 2Q, Intermediate Algebra 2R, College Algebra and Plane Trigonometry 15-16A, 15-16B, 15-16C, 15-16D, College Algebra 15K, 15Q, Plane Trigonometry 16K, 16Q, Calculus and Analytical Geometry 50E, 51H, 52-C, Advanced Calculus, Ordinary Differential Equations 143A, 143B, Vector Analysis, Applied Advanced Calculus, Modern Algebraic Theories, Theory of Functions of Computation Variations, Advanced Ordinary Differential Equations.

### Sandia Students University Night Monday, Sept. 16

A meeting of employees interested in attending the University of New Mexico will be held at the Coronado Club Monday, Sept. 16, at 7:30 p.m. The University is sending a delegation of faculty members to explain general registration procedures and be available for individual conferences.

Following the general meeting to cover questions on registration and other matters of wide interest, there will be meetings of those interested in such fields as electrical engineering, mechanical engineering, physics, mathematics, and business administration. In these groups employees may receive counseling on choice of courses, from University representatives.

Last year's meeting attracted approximately 250 Sandians and an even larger turnout is expected for this fall's meeting.

### Dukes Bat Boy Earned Post Through Proven Ability To Catch Pop Fouls

Young Teddy Jorgenson has been the envy of his friends all summer. As bat boy for the Albuquerque Dukes for the past base-



Mgr. Hal Toso, Teddy Jorgenson - Bat boy and envy of his friends-



HOW NOT TO BREAK A SAFETY RECORD—Marshall W. Tippy of the Safety Department inspects the damage done to a safety bulletin board after it had been struck by a truck. Fortunately, no one was injured. Apparently fate, blushing at the accident, jarred loose the removeable figures of 1,711,562 hours and 53 days.

### Rafael Pena to Farm After Retirement From Sandia Corporation

Rafael Peña retired from Sandia Corporation in late August after nearly nine years in Processing Section of the Receiving and Reclamation Dept.



Rafael Peña

A native of New Mexico Rafael came to Albuquerque in 1943 from San Mateo (near Grants) where his family ranches. He and his wife now have a small acreage on the outskirts of Albuquerque where they have a garden and fruit trees. All of their eight children are married and the Peñas have 21 grandchildren.

Rafael and his wife have been married 43 years and he declares "We're still as much in love as when we were married."

Their mailing address is: Rt. 3, Box 3697, Albuquerque.

### SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER

**CLASSIFIED ADVERTISING**  
Deadline: Friday noon prior to week of publication.  
**RULES**  
1. Limit: 20 words  
2. One ad per issue per person  
3. Must be submitted in writing  
4. Use home telephone numbers  
5. For Sandia Corporation and AEC employees only  
6. No commercial ads, please  
7. Include name and organization.

**FOR SALE**  
KENMORE GAS RANGE, 4 burners plus center griddle, two ovens, automatic controls, internal timer. Cost \$400, sell for \$150. Shew, Ext. 32234.  
'50 PICKUP, GMC, L.W.B., R&H, turn signals, 3-speed, 2 mounted spares, tarp, bows, rebuilt engine, extras, \$575. Pliner, Alb. 6-1907.  
JUNIOR BED and dresser, \$35; blender, \$5; heat lamp, \$5; tank vacuum, \$5; Mixer, \$5; car bed, \$3. Courtin. Alb. 8-0065.  
LOUIS XIV SOFA, Gasser, Alb. 5-7987, 1216 Alcazar NE.  
'55 FORD Custom 2 door sedan, E-Z-Eye glass, one owner, clean. Alvarez, Alb. 2-3821 after 5 p.m.  
GOLF CLUBS, Patty Berg Signature; chains for 7.60-15 tire, and car top luggage rack. Harrison, Alb. 6-6328.  
'49 BUICK, Sedanette, R&H, spotlight, \$150 or trade for pickup or deep freeze. Shaum, Alb. 5-1904.  
TRUCK BOX extension for extending capacity of the Universal Jeep. Milton, Alb. 9-4586.  
3 BR HOUSE, Mossman, 1 1/4 baths, large LR w/fireplace, cathedral ceiling, sliding glass doors, air conditioning, landscaping, \$15,650. Hess, Alb. 6-8018.  
REFRIGERATOR, best reasonable offer. Abernathy, Alb. 5-4386.  
GAS RANGE, apartment size, \$30. Jeffers, Alb. 5-1977.  
21" TV, '54 Motorola Console model, \$100. Gordon, Alb. 4-3629 after 6.

HEATHKIT Tube Checker, Model TC-2, picture tube test Adapter-Model 355, \$35; precision E-200-C signal marking generator, \$40. Healy, Alb. 3-8050.  
'56 CHEVROLET, V8, R&H, consider trading equity for older car; financed now at Sandia Credit Union. Pritchard, Alb. 6-5667.  
RUBBER BOAT, 6-man, \$25; 8mm Jap Sporter Redfield sights, \$20. Green, Alb. 6-0114 after 6 p.m.  
1000W HOTPLATE, Dominion, \$15; 48 cup Westbend coffeemaker, \$5; Flavourmatic 8 cup percolator, \$2.50. Green, Ext. 2-8261.  
DACHSHUND PUPPY, black and tan, 8 weeks, female, \$35. Senter, Alb. 5-0594.  
'47 CHEVROLET two ton truck, 12 ft. insulated van body, Campbell, Alb. 2-7347.  
3 BR HOUSE, Snow resale, den, screened patio, sprinklers, carpeting, air conditioned, landscaped. Cherb. Alb. 9-0949, 9925 Leyendecker Rd. NE.  
LIVING ROOM SUITE, two piece, best offer gets this buy. Thomas, Alb. 9-3838.  
ENCYCLOPEDIA AMERICANA, Bendix washing machine, women's golf clubs, miscellaneous china, glassware, garden equipment, electric lawnmower, furniture, costume jewelry. Douglass, Alb. 5-7766.  
26" BICYCLE, English Racer, \$20. Furry, Alb. 6-2836.  
WHITE FORMAL, full length, size 9, worn once. Maestas, Ext. 20137.  
REFRIGERATOR, Philco, 9 cu. ft., 8 years old, large freezing unit. Ideal for cabin or summer home, \$55. Morrow, Alb. 6-1446.  
UNDERWOOD PORTABLE, with carrying case, \$50; 3-gal. pump-type sprayer, \$6. Sherwin, Alb. 5-8866.  
'49 CROSLEY, cast iron black, \$85. Anderson, Alb. 9-4518.  
'52 FORD, 4 door, 6 cylinder, sedan, repainted, heater, seat covers, \$325. Bruce, Alb. 9-2542.  
EASY SPINDRER, \$35; grey drapes, modern design, \$20. Sieberman, Alb. 9-7206.  
'50 BUICK, Super, Convertible, Dynaflow, low mileage. Smith, Alb. 8-1486.  
LAWNMOWER, 18 in., w/grass catcher, 1/2 price, \$18. Knight, 9501 Arvilla NE.  
DINETTE TABLE, blonde, 36x40, w/leaf; matching chairs, \$30. Newman, Alb. 6-3295.  
PET BURRO, \$35; also have a Nanny and Billy goat, make an offer. Tatum, Alb. 2-9021.

**NEXT DEADLINE FOR SHOPPING CENTER ADS FRIDAY NOON, SEPT. 13**

UPRIGHT PIANO, sell or trade for freezer. Ingram, Alb. 4-5756 after 5.  
GE Refrigerator, 8.6 cu. ft., \$95. Hurford, Ext. 46281.  
LOT 16 BLOCK 3, Cacy and Ross Subdivision, corner lot, NW, sell or trade; red chenille bedspread, 3/4 size. Browning, Alb. 8-1474.  
CONTAX II, F2 coated Sonnar, plus Zeiss copy kit, \$80 or trade for 16mm movie camera. McKnight, Ext. 49136.  
THOR "GLAD-IRON" mangle, \$25; bookcase-desk combination, \$20; 7 cu. ft. refrigerator, \$25; play pen, \$10; console radio, \$5. Houghton, Alb. 9-3386.  
'55 BUICK Special, four door, R&H, Dynaflow, \$1475. Kraft, Alb. 9-2157.  
COCKER SPANIEL, 1 1/2 years old, has distemper and rabies shots, license, wonderful dog with children, \$15. Harrison, Alb. 2-9112, 2512 Kathryn SE.  
'53 CHEVY, 2 door, Bel Air, \$895. Roane, Alb. 9-1761, 2909 Garcia St. NE.  
4 ROOM HOUSE, good well water, lot 75x150, between Broadway and Second, five miles from Central south. Lerke, Ext. 34242.  
26" BICYCLE, girls, Schwinn, \$27. Corkran, Alb. 5-1793 after 5.  
20" BICYCLE, boys, balloon tires, \$15. Kyrloch, Alb. 4-3083.  
'49 KAISER, \$65; Westinghouse automatic washer, \$35, Electrolux vacuum cleaner, \$5. Fry, Alb. 9-3067.  
FULL-GROWN WEIMARANER, \$20; good with children, needs larger yard to run in, vaccinated, licensed. Brooks, Alb. 9-0923.  
'56 MERCURY, Custom, 9-passenger station wagon, Mercomatic, R&H, power brakes, all extras, will sell for equity. Calvery, Alb. 9-1804.  
BARBEQUE, Royal Chef, bun warmer, cutting board, etc., \$10. Johnson, Alb. 5-5427.  
UPRIGHT FREEZER, new GE, take up payments, only four months old. Hummel, Alb. 3-7997, 2106 Renard Pl. SE.

BABY BASKET CRIB, \$4; 4-burner gas stove, \$30. Holmes, Alb. 9-2674 after 5.  
MOTORCYCLE, Panther, English built, recently overhauled, \$150. Gentry, Alb. 3-1120.  
HIDE-A-BED, Simmons, almost new, pink color, reasonable offer. Lewis, Alb. 9-7217, 2526 Wyoming NE.  
HIGH CHAIR, converts into table-chair combination, \$5; innerspring double mattress, \$15; springs, \$5; car seat, \$1; travel iron, \$4. Wilson, Alb. 9-4154.  
AUTOMATIC WASHER, used, Bendix Economy. Finley, Alb. 8-1157.  
SOFA AND CHAIR, matching, \$40; 8 piece maple dining furniture, \$175; tank type vacuum cleaner, \$10. Barnes, Alb. 8-1583.  
AUTOMATIC PISTOLS, P38, Luger, Mauser, Czech, Star—in calibers 25, 32, 380, 30 Luger, 9mm—\$18 to \$75. Morgan, Alb. 6-9637.  
RADIO PHONOGRAPH, \$50; clothes line poles, \$9. Springer, Alb. 6-5095.  
GAS RANGE, deluxe; automatic phonograph, 4 new tires, w/w; portable radio, phono, PA recorder, trade for pickup. Aaron, Alb. 3-4684.  
JEEP CAN HOLDERS, 2 new w/straps, \$2.50 each; trailer hitch w/ball, bolts to frame for Olds, adaptable to others, \$5. Alberts, Ext. 37298.  
GAS RANGE, Kenmore, 30", full size visualite oven, used 9 months. Hedberg, Alb. 5-4683.  
MATTRESS, double bed size, new; wardrobe trunk. Joyce, Alb. 6-1605.  
2 BR HOUSE, near Bases, \$4,750, \$600 down, \$55 a month or \$1000 for equity. Cash and balance \$3,645 and assume FHA contract at \$49 month. Chavez, Alb. 2-1791.

**WANTED**  
MUSICIANS for Dixieland Band, need trumpet, clarinet, trombone and piano men. Laskar, Alb. 9-1024.  
HOME FOR KITTEN. Still have one free kitten, black, short-haired, female. Tatum, Alb. 2-9021.  
HOMES FOR KITTENS. Make your choice now, five kittens ready by Sept. 15, free. Osterby, Alb. 9-4606 after 5 p.m.  
APARTMENT, one bedroom, furnished or unfurnished. Cantrell, Alb. 9-4765, 10410 Aspen NE.  
CHILD CARE. All ages, anytime, reasonable, NE Heights. Bice, Alb. 6-8671.

HOMES FOR KITTENS. Free, housebroken, 5 weeks old, white w/orange, black, one calico. Skinner, Ext. 49282.  
HOMES FOR KITTENS. 7 weeks old, mother Siamese. Downs, Alb. 9-5022.  
BEDROOM DRAPES, one or two pair, window size 54 in. by 39 in. high. Stixrud, Alb. 9-0674.  
5-STRING BANJO, will buy or trade. Ezell, Alb. 6-4220.  
CHILD CARE in new home in Roberson project. Johnson, Ext. 3-3245.  
TO TRADE 26 ft. semi-modern house trailer for land or what have you? Chavez, Alb. 5-5461, 2805 Second SW.  
PARAKEET. Happy home available for your parakeet if you have other interests or too many pets. Matlack, Alb. 6-7371.  
GARAGE for storage of household belongings, prefer NE or SE Yale to Carlisle area. Olheiser, Alb. 3-0819.  
TAPE RECORDER, not over three years old, not over \$65. May, Alb. 6-4998.  
CHILD CARE in my home, pre-school age children, \$10 weekly, \$1 weekly each additional child; hourly setting, 50 cents hourly. Schroeder, Alb. 9-3881.  
HANDLOADING SCALES (redding), powder measure (ideal), 30-06, 38 spec, 12 ga, dies and bullet molds, press, sizer, lubricator. Cacy, Alb. 4-5543.  
CHILD CARE in my home by the week. Meyer, Alb. 9-0837, 1220 Gretta NE, (Princess Jean Park).  
WOULD LIKE to contact a Great Books Discussion Group in the Albuquerque area. Pardee, Alb. 5-1998.  
HOMES FOR KITTENS. 5 part Siamese. Recator, Ext. 43185.  
TO TRADE Admiral 17" Console TV for nice desk. Wyche, Alb. 5-8554.

**LOST AND FOUND**  
LOST—Stock Ins. Co. black notebook, gold rim bifocal glasses, rusty desk key, Ray-Ban glass case w/name J. Sanchez, brass key for Crosley, 21 jewel gold lady's watch (Lucerne), 4 keys on brass link chain, Lady's Bulova white gold watch w/2 diamonds, and rhinestone band, hub cap for Studebaker (lost between Pennsylvania and O Street), bifocal glasses w/dark brown frames in gray case, Sigma Tau frat pin. LOST AND FOUND, Ext. 26149.  
FOUND—Revlon lipstick, door key on wire loop, safety glasses w/bifocals. LOST AND FOUND, Ext. 26149.

## Schooltime Reminder to Bicyclists, Motorists Of Traffic Regulations

With the start of the Fall school term motorists and bicyclists are reminded of traffic regulations both on base and on city streets.

In general, bicyclists are required to obey the same traffic regulations as motor vehicles. They should move in the same direction of traffic and on base should not be ridden more than two abreast.

At night bicycles should be equipped with a suitable headlight and taillight or reflector light. They must also have a satisfactory brake.

Carrying of a second person on the bicycle is also against the law unless the bike is equipped with an additional firmly affixed seat for that purpose.

Motorists are warned that there is a 15 mph speed limit on base near schools and playground areas.

Both on Sandia Base and throughout the state motorists are required to come to a complete stop and remain standing while a school bus loads and unloads its young passengers.

## H. D. Mallory On Program of U.S. Navy Explosive Conference

H. Dean Mallory (1463) will present two technical papers at a Naval Ordnance Laboratory Explosive Sensitivity Conference in Silver Spring, Md., Sept. 16-17.

"A New Method for the Measurement of Initiation Times in Hot Wire Ignitions" written in collaboration with Frank A. Goss, Jr., (1463) is the title of one of the papers. The other, "The Control of Charge Porosity for Reproducible Hot Wire Ignition" was written in collaboration with Mary Fix (1463).

Both papers deal with phases of work performed in the Power and Switching Components Development Division.

## W. A. Gorry Takes Second Retirement; Plans Much Travel

William A. Gorry retired this week after five years with Sandia Corporation



W. A. Gorry

mainly in Handling Equipment Division I, 1281. This was Bill's second retirement. In 1950 he retired with the rank of Captain after 33 years in the Navy. After working for two years in Cuba he and his family moved to Albuquerque.

Bill and his wife live at 805 Adams Pl. They intend to travel considerably, however their daughter, Dorothy, will remain in Albuquerque where she teaches school.

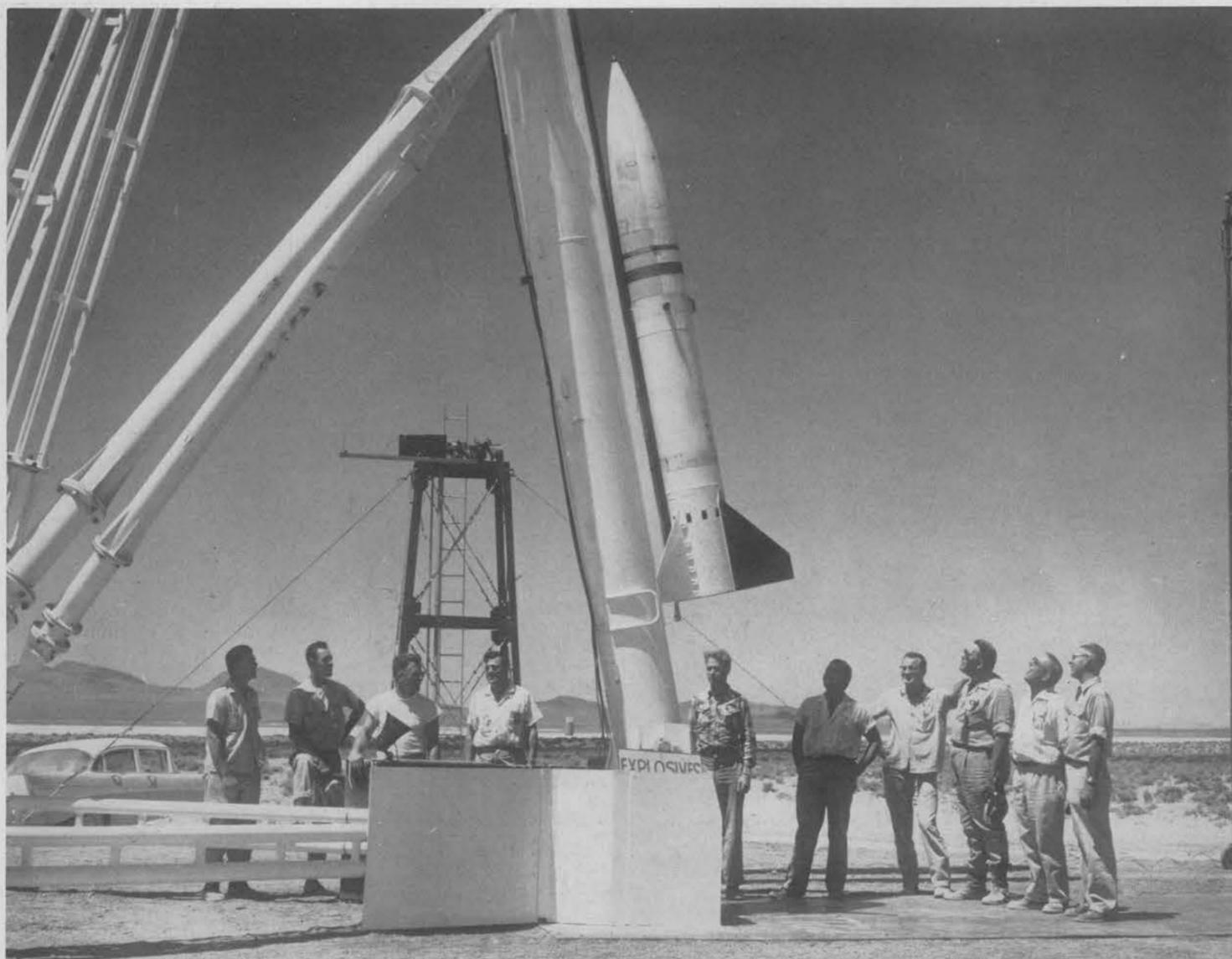
In the spring Bill and his wife plan to go to Italy, England and Spain, which Bill last visited during the Spanish Civil War.

Golf will also occupy a good deal of his leisure time.

## MPs Suggest Motorists Use Eubank Gate to Avoid Parade Sept. 10

Traffic leaving Sandia Base at 4:30 p.m. Tuesday, Sept. 10, may be delayed according to the Provost Marshal's Office. At that time a parade will be underway in connection with a change of command ceremony which starts at 3 p.m.

It is suggested by the Provost Marshal that as many Sandia Corporation employees as possible use the East Gate on Eubank Drive for leaving the Base. Large numbers of troops on the streets near the other Base gates will slow traffic considerably.



SINGLE-STAGE ROCKET launched last month by Sandia Corporation at the Tonopah (Nevada) Ballistic Range is shown here in the first photo to be released of the operation. The 12-foot rocket attained an altitude of 80,000 feet. Inspecting the rocket before

launching are personnel from the Instrumentation Services Department (5210). They are, left to right, Gene Dirnberger, Walter Drake, Frank Reeder, Ben Davis, Dewey Stout, Joe Dirnberger, Bobby G. Edwards, John Keller, Haskell Jacobs and Pierre Chevalier.

## Chuck Wagon Night at Coronado Club Features Western Food, Dancing

Tickets go on sale Monday at the Coronado Club for the annual Chuck Wagon dinner and dance Sept. 21.

This gala western event features the orchestra of Lee Sprague from 9 to 1, and entertainment by the Sandialiers during dance intermission.

Beverages will be served at social hour prices beginning at 6 p.m. and continuing through dinner. During dinner, from 6:30 to 8:30, a folk dancing exhibition has been planned.

Western attire is appropriate and encouraged for this event.

## Touch Football League To Be Part of Employee Recreation Program

Plans are being formulated for organizing Touch Football and Basketball leagues as part of Sandia Corporation's after hours recreation program for fall, Employee Services 3122 reports.

Anyone interested in forming the touch football league is urged to contact the recreation office, ext. 29157.

Basketball should get underway in December. Employee Services said, when the new Sandia Base Gym is ready for use. The league will be organized late in November when a meeting of organizational representatives will be called.

## Noon Movie Program Presents Spike Jones

Music and foreign countries are the themes of black and white movies to be shown during the Corporation's noon movie program the coming two weeks.

Sept. 10-13 the offering will be "Happy Hour—Spike Jones."

Sept. 17-20 the program will include "Egypt" and "India, Asia's New Voice."

The movies are shown in the basement conference room of Bldg. 802 on Wednesdays and Fridays and in Bldg. 849 on Tuesdays and Thursdays. All shows start at 12:10 p.m. and are free.

Now it's rockets . . .

# Historic Tonopah Sees New Age

"The biggest little mining town on the desert" is a title that Tonopah, Nev., has claimed for more than 50 years but in recent weeks stories about the once booming village concern rockets instead of silver. Sandia Corporation's Tonopah Test Range is located 38 miles southeast of the historic town.

Tonopah was a late comer in the mining field but the \$200,000,-

000 dug from the hills made up for the delay.

California gold rush prospectors had already scattered to British Columbia and finally started eastward when Jim Butler, headed for the Southern Klondyke diggings in May, 1900, picked up a rock to heave at his strayed burro. Although the rock appeared likely to contain silver, it was several months before Jim and his wife

had it assayed and staked claims. The first load of ore hauled to the smelter at Austin, Nev., brought \$800. Butler leased out 112 claims and the rush was on.

Nothing came easily at Tonopah. Everything had to be hauled from the nearest railroad at Sodaville, 90 miles west, or Belmont, 55 miles north. Freight wagons even had to carry hay and a barrel of water for each round trip.

Water hauled in by wagon sold for 25 cents a bucket and one saloon, which also owned a small bathtub, hung a sign "first chance \$1, second chance 50 cents, all others 25 cents."

Walter Gayhart laid out the townsite in 1901 but in one year the population swelled to 20,000 and huts were stuck along the sides of the hills. Lumber was almost unknown and outrageously expensive so for the first buildings empty bottles were set in adobe for walls and oil cans were pounded flat for roofs and doors.

In 1904 the Tonopah and Goldfield Railroad came into being. With the coming of building supplies two and three story structures sprung up and the Mizpah Hotel soared to five stories.

Despite the organization of large companies and an adequate water system Tonopah failed to hold its large population for long. By 1913 the boom was over and production in mines was decreasing.

## AWS Members Have Dinner Meeting

Meeting Thursday, Sept. 12, for dinner in the La Placita Dining Rooms of Old Town, members of the American Welding Society will hear a discussion of welding to titanium and zirconium. Speaker will be B. L. Baird, fusion welding supervisor of the Research Division of North American Aviation, Downey, Calif.

The meeting will begin at 7 p.m., Olav Nerhus (7411) reports.



SHOTS for the proposed movie "The Sandia Story" were made at Tonopah, Nev., by a camera unit of Lookout Mountain Laboratory. Sandia Corporation's Tonopah Test Range is located 38 miles southeast of the town. At the height of mining activity in 1902 of silver from the Comstock Lode, Tonopah had a population of 20,000. Now only 1700 persons live in the town which is shown here almost in its entirety. Sandia opened its Test Range there one year ago.