

# Materials Expert Named To Defense Post



J. R. Townsend  
—Assistant to Undersecretary—

J. R. Townsend, Director of Materials and Standards Engineering at Sandia Corporation, will leave October 1 to accept a position as Special Assistant to the Undersecretary of Defense for Research and Engineering in Washington, D. C.

He will also serve as Director of the Office of Fuels, Materials and Ordnance.

Mr. Townsend has been Director of organization 1600 since coming to Sandia in 1952.

Starting work with Western Electric in 1919 he transferred to Bell Telephone Laboratories in

1925 where he was assigned to the task of evaluating the Bower-Bar-off finish for steel desk telephones. In the succeeding years he was in the field of materials, standards and testing.

Mr. Townsend was chairman of a group which determined the materials and processes used on the Havana-Key West Telephone Cable; these principles were later broadly applied to the Transatlantic Telephone Cable.

He also organized and developed the first Materials and Environmental Laboratory at BTL.

Active in professional groups, Mr. Townsend was president of the American Society for Testing Materials from 1945-46; Chairman of the Standards Council of the American Standards Assn. in 1954; Director of ASTM for six years; Director of ASA for six years, and has been chairman of the Materials Advisory Board, National Academy of Sciences since 1952.

He has served as consultant to the Assistant Secretary of Defense, R & D, since 1955, the Office of Defense Mobilization since 1956 and the Central Intelligence Agency since 1952.

An aide to the Office of Defense Mobilization from 1950-51, he has also been a member of the Advisory Committee, National Bureau of Standards. Mr. Townsend organized and is a member of the Committee on Materials, Research and Development Board.

He has received citations from the Office of Defense Mobilization, Foreign Economic Administration, Army, Navy, American Standards Association and the Department of Defense for aid to government. The American Society for Testing Materials awarded him the Dudley Medal.

## ★ Seek Scout Master For Sandia Base Boy Scout Troop

Sandia Base's Boy Scout Troop is in need of a Scout Master and Assistants to guide the youngsters in the crafts and democratic practices that are a part of scouting.

Qualified candidates for the posts should preferably have leadership experience, but a good scouting background and an interest in the program are also important factors. In addition to attending meetings and giving instruction to the Scouts, the Scout Master and Assistants must also be free to take part in outings.

Inquiries may be made to S. P. Schwartz, Sandia Corporation Vice-President and General Manager, who is Chairman of the Troop Committee.

## Technical Papers By Sandians to Be Read at AEC Meeting

Sandia engineers will present technical papers at an AEC Welding Committee meeting held in conjunction with the World Metallurgical Congress in Chicago Nov. 6-8.

"Report to AEC Welding Committee on Sandia Corporation Welding Facilities, Programs and Problems" will be presented by C. F. Bild, Materials Standards Department Manager 1620.

"Dynamic Properties of 6061-T6 Aluminum Weldments" will be presented by D. W. Grobecker of the Metallurgical Section 1621-1.

The AEC Welding Committee comprises representatives of all AEC contractors with special interests in welding problems.



published every other Friday for the employees of sandia corporation, contractor to the atomic energy commission

Vol. 9, No. 19

Albuquerque, New Mexico

Sept. 20, 1957

## Message From The President

During recent weeks some concern has been expressed among employees of the Corporation over reports of possible reductions in the work force and cut-backs in operations during the current fiscal year (which began July 1). Now that the Congress has taken action on the AEC budget, which includes Sandia's operations, we are able to clarify the matter in general terms. Weapon program schedules, of course, cannot be discussed in an unclassified publication.

Of interest to all employees is the fact that the R & D budget (the size of which largely determines the activity of the whole Corporation) for FY 1958 is higher than for last year, and that the average on-roll strength for the current fiscal year will be slightly higher than the average for the past fiscal year. It is true the rate of growth will be lower than had been anticipated and there will be some redistribution of employees during the year, resulting in fewer employees in some organizations at the end of the year. The rate of the build-up at our Livermore Branch is not yet definite and will depend upon various factors, including the availability of personnel on a transfer basis from Albuquerque.

Certain programs have been curtailed, and some completion dates have been changed. This will necessitate some transfers between organizations of individual

employees. Other organizational changes will take place, as in the past, based on changing requirements and design considerations.

Every reasonable effort will be made to effect economies in our operations, to the end that maximum output of reliable and modern weapons may be assured at lowest possible cost to the taxpayer. Every proposed expenditure of funds will be re-examined by responsible supervisors and no projects or services will be started or continued which do not clearly contribute to this all-important objective of maximum protection at minimum cost.

We have built up a highly competent work force during the past few years and have achieved results far exceeding expectations. It is difficult to imagine a more important task than the one we face in attempting to keep the nuclear weapons program here well ahead of our competitor.

I look forward to the continued improvement of our performance and am confident that we can achieve new and significant advancements in the protection of our country.

## Government Gets Extension For Tax Case Appeal

U. S. Judge Carl A. Hatch last week granted the government an extension to Oct. 21 to appeal the decision in the case of two Sandia Corporation employees who sued the U. S. Government for refund of federal income tax paid on moving and traveling expenses reimbursed to them as new hires of the Corporation.

In June, Judge Hatch ruled in favor of the Sandia employees, Sherrill O. Woodall (7412) and Glenn S. Mills (1441).

The test cases are representative of some 700 other Sandia Corporation employees who have been reimbursed for moving and travel expenses incurred in connection with reporting for work in Albuquerque after being hired elsewhere.

Woodall and Mills were members of a group of Sandia employees who all had income tax liability in this matter under the ruling of the Internal Revenue Service. The employees had organized and retained an attorney to prepare the test cases.

It is estimated that nearly \$100,000 in taxes is involved for the 700 employees now working for Sandia and some 200 others who are former employees of the Corporation. All were hired since 1953 and were reimbursed for traveling and moving expenses incurred in coming to Albuquerque.

## D. C. Kleinecke Speaks To Livermore Lions Club

"Operations Research" was described recently before the Livermore Lions Club by D. C. Kleinecke (8111-1), Livermore Branch mathematician.

Approximately 30 members of the California club heard Mr. Kleinecke suggest that there is no real reason why small businessmen cannot benefit from some research operations.

# Nine Health Agencies Added To 1957 Employee Drive

Sandia Corporation employees will have the opportunity this year to help 24 Community Chest Agencies, the Red Cross and nine health organizations with one contribution, spread over a 12 months payroll deduction period if desired. This first full-fledged "give-once" campaign will be launched Oct. 18 and will end Oct. 22.

Enrollment will be completely voluntary for the employees but the employee committee planning the campaign expects a high percentage of participation, based on the enthusiasm of campaign workers.

David S. Tarbox (2440) drive chairman, lists the following organizations as those that will share the funds raised in the Sandia Drive for the support of all major agencies.

Albuquerque Community Chest  
American Red Cross  
National Foundation for Infantile Paralysis  
American Cancer Society, New Mexico Division

Bernalillo County Heart Association

Bernalillo County Chapter, Muscular Dystrophy Association of America

Bernalillo County Tuberculosis Association

Cerebral Palsy Association of Bernalillo County

New Mexico Society for Crippled Children and Adults

Arthritis and Rheumatism Foundation, New Mexico Chapter

Multiple Sclerosis Foundation

As indicated on the accompanying chart, 72 per cent of the fund will go to the Community Chest agencies and the Bernalillo County Red Cross. Twenty-seven per cent will go to the local chapters of the nine national health agencies and one per cent will be placed in a fund for emergency allocation to qualifying charitable organizations. The distribution of the 27% among the new participating agencies will be announced before the drive starts. It will be

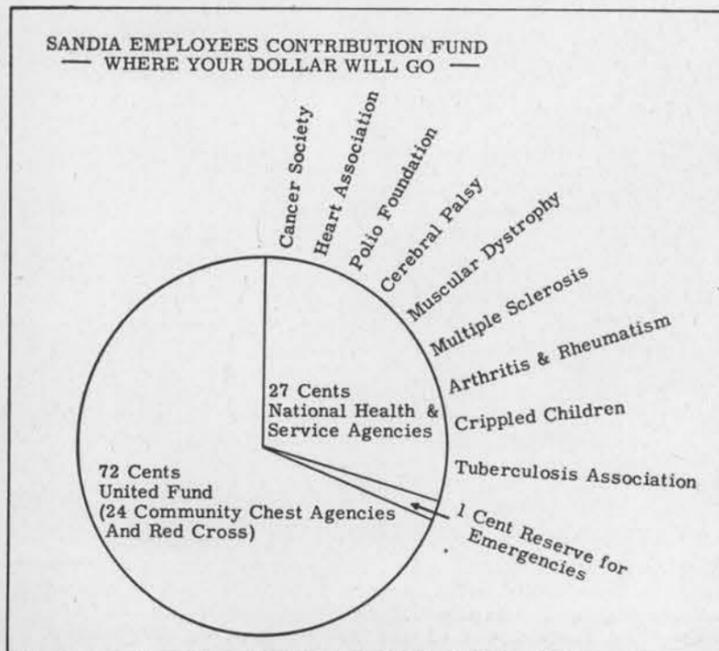
based on the ratio of their past collections to the total being raised by all agencies.

Employees will be able to contribute by payroll deduction on a year 'round basis. Provisions will be made for withdrawal from the deduction plan with reasonable notice. New employees will have an opportunity to join when they sign in, or during the annual enrollment period which will coincide with the Albuquerque Fund campaign.

In addition to Chairman Dave Tarbox, members of the interim planning committee are:

Robert A. Knapp (7130) deputy chairman, Luther J. Heilman (3200) special advisor, William B. Davis (4131) treasurer, Ted B. Sherwin (3125) secretary, C. E. "Ed" Long (7223) coordinator, L. M. "Jerry" Jerconovic (7210) special projects, Noble Johnson (3122) program chairman, Webb E. Shaffer (2742) representing the Guards Union, William F. Leverenz (2153)

(See "Nine Agencies" Page 4)





The Sandia Lab News is an official publication of the Sandia Corporation, Albuquerque, New Mexico

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Deadline  
Friday noon of week  
prior to publication

Member Association of Nuclear Editors, Border Council of Industrial Editors, and affiliated with International Council of Industrial Editors.



Bill Laskar Photographer; Jim Pennington, Asst.  
Cherry Burns, Don Graham, Assistant Editors  
Robert S. Gillespie, Editor



**BARREL RACE EVENT** at the 24th annual Valencia County Fair in Belen last week-end found Reba Garrison (2111-1) spurring her horse through a tight cloverleaf pattern in competition for best time honors. Reba has previously won first place in the event at Belen and other county fairs. She intends to enter the same event later this month at the New Mexico State Fair in Albuquerque, where in 1953 she was Union County candidate for Queen.

#### SANDIANOTES...

### Mountain Climbers Share Ledge With Bobcat But Carefully Avoid Crisis

#### Earns Master's Degree

Donald G. Schultz (1473-2) who has just returned to Sandia from a four months leave of absence, received his Master's degree in Electrical Engineering from U.C.-L.A. in June. His Bachelor's degree was obtained at the University of Santa Clara in 1952.

#### Get Well Wishes

Wishes for a speedy recovery are extended to W. H. Reese (2132-2) and J. S. Burton (2133-1).

Quick recovery wishes are also extended to J. J. Dawson (1453) who has been out as a result of surgery.

Wishes for a speedy recovery are extended to Irene Qualle (2232), who is recuperating at home following a serious operation last month.

#### New Homes

School time is moving time for Sandians. Willie J. McCabe (2711) and his family are getting settled in their new home at 712 Dakota SE.

There's also a new address for Antonio Garcia (2153-1) and his family, who have moved into a new home at 709 San Pablo NE.

Another new home owner in 2153-1 is Kenneth Butler, who is getting settled with his family at 329 General Bradley NE.

George Ingram (5132) and family are in their new home at 9638 Morrow NE.

The mountains have lured Mr. and Mrs. C. D. Chester (1453) to a new home in Cedar Crest.

Jim Reed (5142-1) and his family have moved into their new home at 9637 Morrow Road NE.

#### Radio Club Meets

The Sandia Base Radio Club will meet Monday at 8 p.m. in Bldg. T-319, Sandia Base, according to Joe Asturias (2542), club representative.

### Square Dance Club Offers Beginners Chance to Learn

Plans are being made for a new class in square dancing for beginners to be conducted by the Yucca Square Dance Club. Cleo Hughes (7311-1) reports that the classes will start in late October and will be held at the Women's Club, 618 Gold Ave. SW.

The club holds regular dances for those who already know the square dance patterns on the second and fourth Wednesday of each month at 8:30 p.m. in the Women's Club building.

For information about the beginners class call Cleo Hughes at Alb. 9-5054.

During a recent climb several members of the New Mexico Mountain Club found the "Enchanted Mesa" anything but enchanted.

Dick Martindell (1422) was leading Zelma Beisinger (5124) and Ronald Blair of Albuquerque up the precipitous mesa near Acoma, believed to have been inhabited by prehistoric Indians. About half-way up the steep north side Dick left Zelma and Ron on a narrow ledge while he edged ahead to an even narrower ledge where he drove in a piton to attach the rope to bring the others up in a safer method.

As Dick looked down he saw a bobcat which appeared to be directly above the other climbers. Actually the bobcat was on the same ledge as the pair. When Zelma finally looked about 15 feet beyond her on the ledge she saw the animal. After both Zelma and Ron were on the higher ledge, the bobcat made his way down the ledge and left without causing trouble.



**MAMMOTH ZUCCHINI**, grown by Norm Richardson (5213) dwarfs a foot ruler. This green thumb owner reports that his garden has also produced jumbo sized buttercup squash this season which he hopes to enter in the New Mexico State Fair.

#### Skiers to Elect

Members of the Albuquerque Ski Club will elect new officers during a meeting Tuesday at 8 p.m. in the Hilton Hotel.

President Dick Kavet (2552) points out that although a nominating committee will offer a slate of officers, nominations can also be made from the floor at that time.

### Weddings and Engagements

Mr. and Mrs. Donald R. Knapp are making their home at 1200 Dartmouth NE following the return from their honeymoon in Las Vegas, Nev., and Santa Barbara, Calif.

The couple was married Sept. 2 at Central Methodist Church. Mrs. Knapp is the former Marian E. Hazelwood.

Marian has been with the Corporation for five years and is in Document Control Division I (2461). Don has been at Sandia the same length of time and is supervisor of Field Engineering Division (7131).

Evelyn Clark has announced her engagement to E. P. Quigley and has chosen November 16 as the wedding date. No further plans have been made at this time.

Evelyn is a personnel representative in 3152-2 and Ed was this month named supervisor of Section 2225-1.

Both have been employed at Sandia Corporation since January 1954.

### Congratulations

#### Born to:

Mr. and Mrs. Andy Lieber (1262) a daughter, Lise Margot, on Sept. 2.

Mr. and Mrs. Paul Souder (1260) a daughter, Deborah Sue, on Sept. 3.

Mr. and Mrs. David W. Weber (1473-2) a daughter, Susan Jean, on Aug. 31.

Mr. and Mrs. Roger Kurtz (1611) a daughter, Dorothy Adele, on Sept. 5.

Mr. and Mrs. W. L. Gibson (2152-4) a son, Leslie Ray, on Sept. 11.

Mr. and Mrs. L. D. Lindsey (1455) a daughter, Susan Diane, on Sept. 5.

Mr. and Mrs. Nick Montoya (7423) a daughter, Rhonda Kay, on Sept. 1.

Mr. and Mrs. Gilbert Ramirez (2232) a son, Richard Lewis, on Sept. 1.

Mr. and Mrs. Truman Casson (7422) a daughter, Melinda, on Sept. 3.

### Sympathy

To Wilma Sandersier (2221) for the death of her father September 4 in Cleveland, O.

To Harold E. Payne (2124-2) for the death of his father in Nebraska on September 9.

### K. W. Seaver Attending GOC Instructors Class At Kendall AFB, Florida

Kenneth W. Seaver (4152) is presently attending a two week Ground Observer Corps instructors course at Kendall AFB in Florida.

"Ken" has already chalked up 155 hours of work at the GOC Filter Center in Albuquerque since joining the program in April 1956. At the center volunteer workers "track" on a plotting board the location of airplanes as reports are received from the GOC's network of observation posts.

### Mountain Club to Have Two Outings

Autumn trips by foot and automobile through high forest lands are planned by the New Mexico Mountain Club during coming weeks.

Russ Hankins (a summer employee in 5112) will lead a six-mile pack-in hike to Lake Katherine on Sept. 21. From the scenic lake climbs can be made to the top of 12,661 foot Santa Fe Baldy. Club members will camp overnight and return to Albuquerque on Sunday.

The club's annual "aspencade" to Colorado will be led Sept. 28-29 by Hank Tendall (1215). The caravan of cars will drive from Albuquerque to Silverton, Colo., north to Ouray and west to Telluride.



**RARE PHOTOGRAPH** of a small herd of Big Horn sheep was taken by Tom Moody (1452) when he and his family were camped out recently on Sandia Crest. These sheep graze along the rocky ridges and steep slopes of the Sandias east of Albuquerque.

# Supervisory Appointments

**WILLIAM F. JEMISON** to supervisor of Reliability Engineering (Components) Section 1291-2.



"Bill" has worked in reliability engineering groups during his entire four years with the Corporation.

Immediately prior to coming to Albuquerque he served two years in the Air Force as an ROTC instructor at the University of Illinois and for a short period as production control officer at Lowry AFB. He also served three years in the Army Air Corps during World War II.

Bill holds a Bachelor's degree in Mechanical Engineering from Georgia Tech, a MS from the University of Colorado and has done work toward his PhD at the University of Illinois and the University of New Mexico.

He was on the faculty at Georgia Tech for one semester before teaching engineering drawing and machine design at the University of Colorado from September 1947-June 1951.

**BALLARD C. CAMPBELL** to Assistant Purchasing Agent, Mechanical and Test, 2320.

He came to Sandia Corporation from Western Electric Company's Hawthorne Works where he had been Assistant Works Purchasing Agent for the past two and one-half years.



"Bal" joined WE in 1942 as a price engineer in the Telephone Division at 195 Broadway, New York City. Four years later he became an assistant buyer in purchasing at 120 Broadway. In 1951 he was promoted to buyer. He held a similar post at the Kearny Works from February to April 1955 when he transferred to Hawthorne.

Before going with WE Bal was the credit manager of a finance company in Newark, N. J., for four years.

He studied liberal arts at St. Johns College and at the New School for Social Research in New York. Last month he received a Master's degree in Business Administration from the University of Chicago under the school's intensive two-year evening program for executives.

He is a member of the Executive Program Club at the University of Chicago.

**LYNN M. BARKER** to supervisor of Engineering Analysis Section 1261-2, Electrical Systems Division.



Lynn has been at Sandia a little over two years as a staff member working on delivering and escape methods.

Prior to coming to Albuquerque he obtained his Master's degree in Physics from the University of Arizona. His BS degree is from the same school.

He is a member of Sigma Phi Sigma, Physics honorary, Phi Beta Kappa, scholastic honorary, and Pi Mu Epsilon, Mathematics honorary.

Lynn served three and one-half years as a Navy pilot. Most of the time he was aboard the aircraft carrier, USS Philippine Sea in the Pacific.

**EDWARD P. QUIGLEY** to supervisor of Analysis Section 2225-1, Change Order and Analysis Division.



"Ed" has worked in manufacturing engineering his three and one-half years at Sandia Corporation.

Previously he was employed for 11 years by General Electric in Cleveland, O. His first year with GE was spent attending a test engineering course. Then he was transferred to the lamp department where he ran a filament manufacturing department. Ed later served as a consultant on tungsten and molybdenum fabrication and design of lamps.

During World War II he was in the Army for three years, originally in the Air Corps and later with the Infantry in the Philippines.

He received a BS in Mechanical Engineering from Case Institute of Technology in Cleveland, and is a member of Tau Beta Pi, engineering honorary.

**DONALD K. ROBBINS** to supervisor of Human Engineering and Data Collection Section 1291-3, Reliability Evaluation Division.

"Don" has been with the Corporation five years, first in systems analysis and for the past three years in reliability evaluation.



He holds a PhD from Vanderbilt University, a Master's degree from the University of Minnesota and a Bachelor's degree from Texas Technological College. All degrees are in Physics.

Before working towards his doctorate Don was employed for two years by Magnolia Petroleum in Dallas in their research organization.

He also served two years in the Navy as a radio technician in Hawaii.

Don is a member of Sigma Xi, honorary research fraternity, the American Physical Society and the American Physical Society, Southeastern Section.

**DONALD R. COTTER** to Manager of Engineering Department 1240.



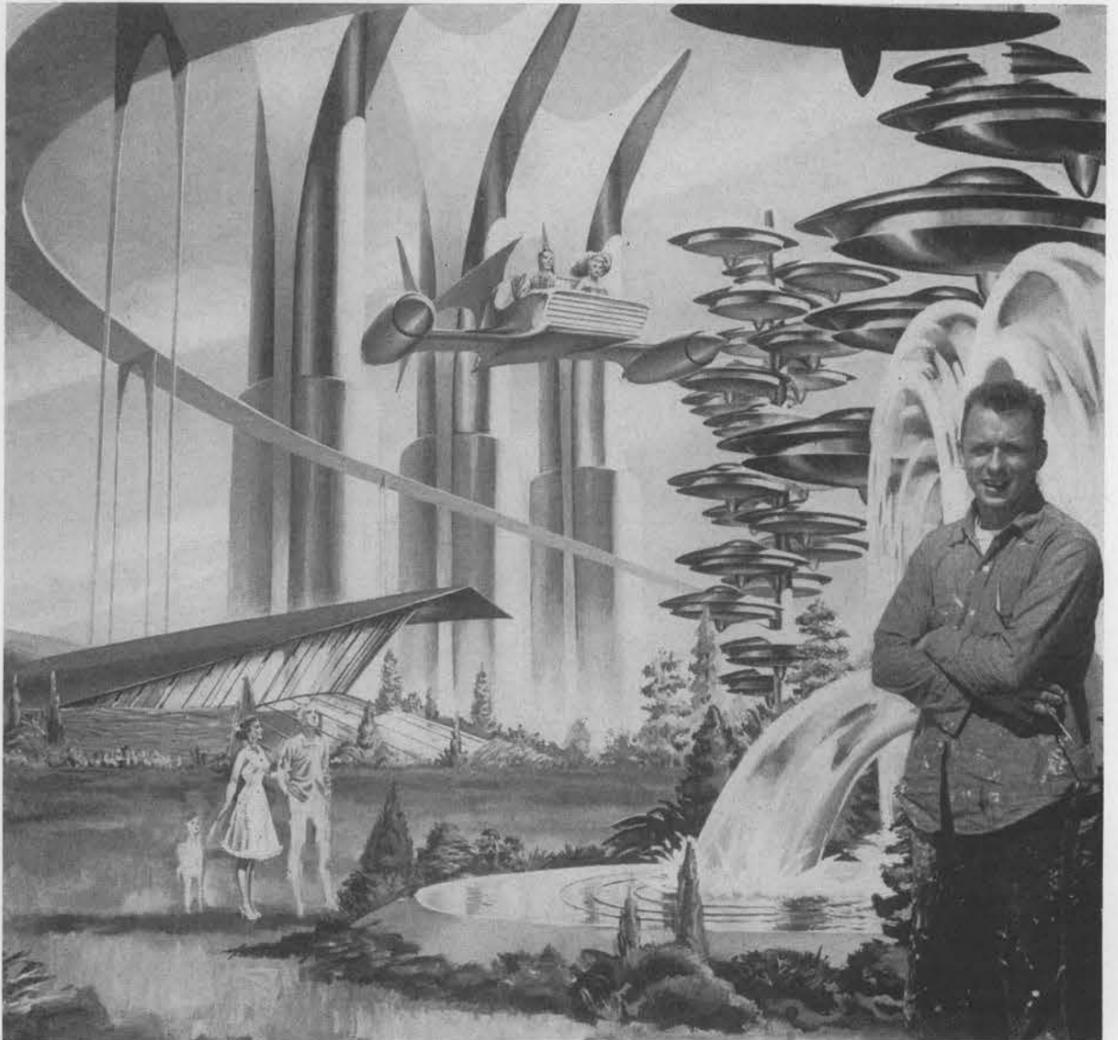
He joined Sandia Laboratory in 1948 as a junior engineer for the University of California in production engineering.

When Sandia Corporation was formed "Don" was named a section supervisor in the production engineering organization and in 1950 was promoted to supervisor of Electrical Systems Division 1261.

Previously he was a junior production engineer for National Union Radio Co., Lansdale, Pa., from 1942-43 and was a production engineer for the company's successor from 1945-48.

Don is a member of several joint AEC-DOD committees and study groups concerned with missile development programs. He is a member of the Joint AEC-DOD Long Range Fuze Standardization Group and is chairman of the Joint AEC-DOD Fuzing Standardization Study Group.

He studied industrial and electrical engineering at Lehigh University and the University of New Mexico and is a member of IRE. He served one year in the Signal Corps.



**PROGRESS FOR TOMORROW** — Artist Ken Frank (2463) poses before his conception of the Sandia Corporation N. M. State Fair exhibit.

**GORDON W. DE SATO** to supervisor of Drafting Division A, 7411. He has been at Sandia for five years as supervisor of Drafting Section A IV.

A member of Bell Telephone Laboratories since 1941, Gordon has worked in drafting in New York City (West St. and Graybar - Varick St. operations), Murray Hill and Whippany.

Previous to 1941 he was in the lighting fixture business in New York City for 13 years.

He studied commercial art and designing at The Cooper Union and at New York University.

**CARL R. CARLSON** to supervisor of Systems Engineering Division 1261, Electrical Systems Department.



Carl has been in general weapons analysis work since he started with the Corporation in March, 1953. Last March he was promoted to supervisor of Section 1261-3.

From February 1955 to September 1956 he was on a special leave of absence from Sandia to assist in the operation research office of Johns Hopkins University.

During the period 1947-53 Carl was a graduate assistant in experimental nuclear physics at Purdue University.

He served two and one-half years in the Navy in electronic technical sub service, including one year at sea.

Carl has BS and MS degrees in Physics from Purdue University.

He is a member of the American Physical Society and Sigma Phi Sigma, Physics honorary.

## Al Hurford Calls First Meeting of Sandia Base PTA

The first fall meeting of the Sandia Base School PTA will be conducted by President Allen A. Hurford (1451) on Wednesday at 7:30 p.m. at the school building.

## Chuck Wagon Dinner For 'So-Very-Hungry' At Club Tomorrow

The Chuck Wagon dinner and dance at the Coronado Club tomorrow night is the key event planned at the club in the next two weeks.

Western attire is proper for this once-a-year event, which will begin at 6 p.m. Dinner will be served from 6:30 to 8:30, followed by dancing from 9 to 1 with Leigh Sprague supplying the music. Beverages will be served from 6 through dinner at social hour prices.

During dance intermission entertainment by the Sandialiers has been planned.

An informal dance next Friday night with Jim Caldwell's orchestra and an ocean-going adventure film on Family Nite, Sept. 29, cap the month's activities.

Going into effect next month is a new time for Social Hour, 5:15-6:45 p.m., to correspond with the winter work schedule.

## FCC Semi-Annual Exams Here Oct. 5

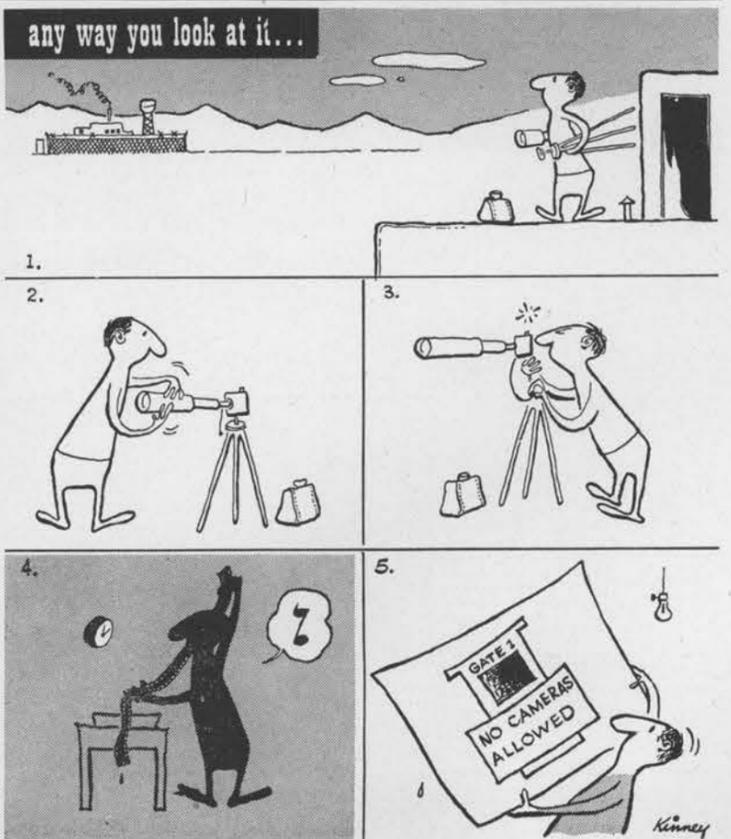
One of the twice yearly Federal Communications Commission examinations for all classes of commercial and amateur radio operators will be held Saturday, Oct. 5, according to E. H. Morterud (5523).

The examinations will be at 8 a.m. for commercial class and at 11 a.m. for amateur extra and amateur general classes. Both will be held in the library of Albuquerque high school at 110 Broadway NE.

## Horseshoe Tossers Match Skills in Employee Tourney

Plans have been completed by Employee Services (3122-1) for a Corporation-wide horseshoe tournament to begin Monday.

Superintendency champions will be determined by intra-superintendency play after which tournament play will be held to determine Corporation champions. Trophies will be awarded singles winners and doubles team winners.



Professors by Night...

# Employees Teach Professions

When classes start next week at the University of New Mexico's Community Evening College many Sandians will be numbered among the enrolled students and at least six Corporation employees will be instructors in various subjects.

The non-credit classes deal with any subject for which there is a demand and any adult may take the courses regardless of educational background.

Offered for the first time this fall will be a class in "The Tech-



Charles W. Sargent  
—accurate files—

nical Library." A request for such a course was expressed by many Corporation employees during a recent survey of educational needs.

The course will be instructed by Charles W. Sargent (7223), who is a cataloger in Sandia's technical library.

Charles had extensive experience in library work before he came to Sandia in December, 1954. Over a period of seven years he was connected with the libraries at Leé College, Michigan State University, the University of Michigan and the University of Kansas.

He holds a Master's degree in Library Science from the University of Michigan and a BA and MA from Michigan State University.

Technical Writing

For the third year Gerald J. Hurley, supervisor of Military



Gerald J. Hurley  
—hardware, commas—

Publications Division II (7123), will instruct a class in "Technical Writing." He has been in the

technical writing field since promoted to his present position in January 1954. During his first two years at Sandia he was an instructor in Technical Training Division.

Gerry's previous teaching experience was at St. Mary's high school in Phoenix and in evening classes at Kansas City Junior College and Monterey Peninsula College in California.

He received his Bachelor's degree from St. Mary's College and his Master's degree from Juni-pero Serra College, both in California. His major was Sociology.

Classes in Electricity and Electronics will be taught by Andrew



Edward A. Brown  
—basic mysteries—

Ellingson and Edward E. Brown (both 1442). This is the second year Ed has given the basic work with Andy following with intermediate studies.

Ed's previous experience in teaching and electronics came during his 11 years in the Navy. He was in the electronics field for six years and for 18 months he was an electronics engineer at the U. S. Naval Underwater Ordnance Station at Newport, R. I. During his last two years in the Navy he was an instructor in naval engineering and damage



Andrew Ellingson  
—less a mystery—

control at the OCS at Newport.

Before entering the Navy Ed received a BS in Mathematics from Tulane University and an MS in Electrical Engineering from the University of Rhode Island. He has been at Sandia two years.

Andy received training in electronics during three years in the Army in addition to working in that field his five years at Sandia. For nine years he taught math and science courses at high schools in Kaycee, Wyo., and Wallace, S. D., and one year he gave instruction in radio theory and operation for the Army Air Force Technical Training Command at Scott Field, Ill., and Sioux Falls, S. D.

Andy holds a BA degree with a math major from Augustana College in Sioux Falls.

Quality Control

A course in "Statistical Quality Control I" is being sponsored



George O. Hawley  
—glass bead count—

by the Community College and the American Society of Quality Control. It will be taught jointly by George O. Hawley (5511-1) and Aldis S. Hayes (2731-2). Since the nature of their work at the Corporation causes them to be on trips frequently, they alternate their teaching periods. The system proved satisfactory last year.

George handled a similar class for the Michigan Section of the American Association for Quality Control in Detroit at one time and he has taught an advanced course in Quality Control at Purdue University since being at Sandia.

His other teaching experience includes two years of math at night school at Wayne University, eight years of public school math in Michigan, and six years of math instruction at the Ford Motor Company, where he was a supervisor in Quality Control for five years before coming to Albuquerque.

His degrees include a BS in Mathematics from Michigan State Normal College and an MA in Industrial Education from the University of Michigan.

(For those curious about the glass beads in George's picture, the beads are used in demonstration of principles of acceptance sampling.)

Aldis, the other half of the teaching team, obtained his BS in Mechanical Engineering from the University of Wisconsin. He received additional training at Purdue University in industrial statistics and quality control by statistical methods. Prior to coming to Sandia Corporation in 1953 he had been a quality control supervisor for six years for the Perfect Circle Corp.

No job is so important and no service is so urgent that we cannot take time to perform our work safely.

## C. H. Bidwell Earns 30-Year BTL Pin

A service pin in recognition of 30 years with the Bell Telephone Laboratories was awarded last



C. H. Bidwell

week to Charles H. Bidwell, supervisor of Radar Systems Studies. The presentation was made by Sandia Corporation President James W. McRae during a small luncheon at the Coronado Club.

He has been with Sandia Corporation for the past six years.

Mr. Bidwell started with BTL in 1927 in equipment development work on test boards and early telephone systems. Through the years he has been connected with the carrier telephone system and with the coaxial cable telephone and television system in particular.

He worked with radar bombing systems during World War II.

With the exception of six years in Murray Hill, N. J., Mr. Bidwell was stationed his entire time with BTL in New York City.

## Movie Schedule Has Humor, Serious Side

Humor and industry will be featured at the Corporation's noon movie program during the coming two weeks.

Sept. 24-27 a Disney cartoon in color will be shown.

Oct. 1-4 the movie will be "Potash Production in America."

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.

## Papers Published

Technical papers by two Sandians have recently been published.

An article by W. F. Nielson (1456) on "Transistor Thyatron Circuit" appeared in the July 1 issue of *Electronic Design*.

Dr. J. A. Schatz (5126) wrote an article "Representation of Branch Algebras with an Involution" which appeared in the *Canadian Journal of Mathematics*. This paper was taken from his doctoral dissertation for Brown University.

## W. A. Jamieson to Represent Sandia at Livermore UN Week

United Nations Week will be observed at Livermore Oct. 20-26 with W. A. Jamieson (8132) representing Sandia Corporation in the program. His appointment was made by Livermore's Mayor B. O. Burch.

Local business and educational representatives will formulate plans to make their groups aware of the past accomplishments and future plans of the United Nations.

## Sabino Luna to Retire Sept. 30

Five years of employment with Sandia Corporation will end Sept. 30 for Sabino Luna (2472) when he retires.

Sabino is looking forward to his new-found leisure hours as an opportunity to visit his three sons in California and to see his 12 grandchildren.

He'll also have time to practice playing the Spanish guitar, which he recently made out of pine and maple. Leatherwork and carpentry are his other hobbies.

Mr. and Mrs. Luna live at 1907 Second SW.

(Continued From Page 1)

## Nine Agencies

representing the Council, Peter J. Cook (5532) Office Employees Union representative.

Solicitation Chairman Bob Knapp has announced the names of the captains to serve during the drive:

- |                      |                             |
|----------------------|-----------------------------|
| 1200<br>Leo Dunn     | 2700<br>C. A. "Buck" Weaver |
| 1400<br>Lee Davies   | John Gustafson              |
| 1600<br>Art Clark    | 3100-3200<br>George Elliott |
| 2100<br>Joe Dawson   | 4100<br>John Anderson       |
| 2200<br>John Maxon   | 5100<br>George Anderson     |
| 2300<br>Ken Overbury | 5200<br>Wallace Smith       |
| 2400<br>Ernie Bolton | 5500<br>Lee Gmel            |
| 2500<br>Gene Gardner | 6000-7100<br>Jerry Hurley   |
| 2600<br>Dick Clifton | 7200<br>Don Weldon          |
| 2700<br>Jack Spence  | Charlie O'Keefe             |
| 2800<br>Dave Hake    | A. D. "Pop" Peppmueller     |
| 2900<br>Bob Flaxbart | 7300<br>Cecil Johnson       |
| 3000<br>Wally Ives   | 7400<br>Fred Leckman        |
| 3100<br>Elmer Irving |                             |

## Service Awards 10 YEAR PINS



James M. Bedeaux  
2132  
Sept. 24, 1947



Roland L. O'Trimble  
1224  
Sept. 26, 1947



James R. Harrison  
5521  
Sept. 29, 1947



Thomas W. Holmes  
2544  
Sept. 29, 1947



Philip E. Jockle, Jr.  
1281  
Sept. 29, 1947



Frederick Vishaway  
2472-1  
Sept. 30, 1947

## FIVE YEAR AWARDS

Sept. 20-26  
Bonnie G. Prentice 1282, John F. Russell 5521, Donald K. Robbins 1264, Chenauff Davison 2330, John R. Smith 2541, Harold G. Brim 7312, Samuel J. Mullins 2414.  
Frank M. Takahashi 2711, James W. Sims 2553, Carl J. Bachman 1811, Violet M. Bernard 7231, Connie L. Steputis 3152, Arnold G. Schuknecht 3122, Charles O. Armstrong 2111, Cornelio S. Padilla 2472, and Tommy R. Glauner 7411.

Sept. 27-Oct. 3  
Wiley T. Holmes 1243, Roy E. Maxwell 2552, Bernard A. Clouse 2225, Fred A. Collatz, Sr. 2341, F. K. Gregory 2152, Marjorie L. McDowell 4111, Richard P. Tyler 7424, and Kenneth L. Peterson 2124.  
Thomas G. Ogden 5513, Alex A. Ruff-2713, Leo C. Cordova 2442, Arthur B. Cole 7320,

Frances S. Tomlinson 7319, James R. Roy 1625, James A. Kenagy 2511, and Melvin L. Berg 7231.

## TWO YEAR CERTIFICATES

Sept. 20-26  
Burton S. Hill, Jr. 1217, Betty J. Bosworth 7225, Anna D. Ashford 2133, Robert L. King 2461, Roy A. Blockinger 5523.  
Marie S. Luna 2341, Jarion L. Jones 7241, Basil L. Cafferty 5521, Shirley P. Renn 7226, Lawrence G. Verzi 7231, Charles A. Ross 7412, and Richard R. Michaels 7232.  
Sept. 27-Oct. 3  
Marilyn J. Tillar 2224, Candelario Trujillo, Jr. 7231, Lucille B. Salazar 5532, Valerie D. Griffin 7311, Henry A. Mullin, Jr. 1224, Rupert H. McCarney 2463, Leonard A. Hitchcock, Jr. 1421, Ina R. Brown 2352, and L. Charlene Scott 4135.

## Welcome Newcomers

|  |   |
|--|---|
| Sept. 3-13                                   |   |
| Albuquerque                                  | John R. Costello, Glen Ellyn ..... 5511   |
| Aubrey O. Butts ..... 2418                   | Richard O. Heins, Chicago ..... 1423      |
| Mavice E. Cleveland ..... 2520               | Norman C. Rasmussen, Roselle ..... 2713   |
| Barbara P. Donoghue ..... 4135               | William C. Wilson, Chicago ..... 1612     |
| Charlotte L. Freedman ..... 3124             | Kansas                                    |
| Jane G. Humphrey ..... 4112                  | William W. Sheffer, Prairie Village 1612  |
| Robert J. Isidoro ..... 5513                 | Carl E. Vanderbur, Jr., Topeka ..... 4142 |
| Carol H. Kaemper ..... 3153                  | Massachusetts                             |
| Dorothy A. Marklin ..... 7313                | Stephen A. Butkus, Dorchester ..... 2713  |
| Annie J. Montgomery ..... 2553               | Robert L. Lachance, Sterling ..... 2154   |
| Shirley M. Simon ..... 2553                  | Michigan                                  |
| William T. Ward ..... 5211                   | Edwin T. Oakes, Ypsilanti ..... 5233      |
| Doreen L. Westfall ..... 2553                | Minnesota                                 |
| Arizona                                      | Harold A. Mackay, White Bearlake 1625     |
| Wilbur E. Kaufman, Phoenix ..... 4152        | Montana                                   |
| California                                   | Clifford A. Olson, Shelby ..... 5243      |
| Lewis D. Ellis, San Diego ..... 8122-1       | New York                                  |
| Joyce C. Martin, Van Nuys ..... 2711         | David Stea, Brooklyn ..... 1291           |
| Benjamin D. Mills, Torrance ..... 8122       | Oklahoma                                  |
| Elvis E. Skidgel, San Francisco ..... 8111-2 | Tully J. Dickerson, Norman ..... 1243     |
| Florida                                      | Texas                                     |
| Donald V. Easter, Tallahassee ..... 8111     | Patsy V. Lane, Clarendon ..... 2731       |
| Illinois                                     | Virginia                                  |
| Richard T. Baff, Moline ..... 7411           | Ernest G. Carlson, Norfolk ..... 1423     |
| Willard A. Benson, Carbondale ..... 7113     | Roland C. Hewitt, Alexandria ..... 1452   |
| Ronald D. Beniz, Woodstock ..... 1423        | Washington                                |
| Bryan W. Cason, Chicago ..... 4121           | George E. Saling, Maple Valley ..... 8122 |
|  | Norman A. Smith, Seattle ..... 2511       |



TRANSLATION of narration for a film to be shown at the Navajo Tribal Fair was done by Howard Gorman, Chairman of Committees of the 1957 Tribal Fair Commission. With him is W. T. "Bill" Moffatt, Manager of Test Data Department (5240) who worked with the Fair Commission, AEC, AF and Navy on preparing the exhibit.

### Sandia Film, Mural To Be Displayed At 11th Annual Navajo Tribal Fair

Sandia Corporation will join the Atomic Energy Commission, Air Force and Navy in participating in the 11th Annual Navajo Tribal Fair at Window Rock, Ariz., Sept. 20, 21 and 22. In keeping with the theme "Navajo Parade of Progress," they will present a display of national defense material.

Sandia's contribution to the exhibits consists of a film showing ballistic range activity, narrated in the Navajo tongue, and a painting of a ballistic range proposed to be located on the Navajo reservation.

The film footage was taken from the unclassified files of the Sandia Corporation Field Test organization. It was shot at Salton Sea Test Base. Narration for the film was done by Howard Gorman, Chairman of Committees of the Navajo Fair Commission, in the studios of the Motion Picture Division (2465) in West Lab.

The 4 ft. by 6 ft. mural of the proposed Navajo range was painted by Terrence Clark, Technical Art Division, 2463.

The Tribal Fair will include exhibits, a rodeo, native dances, livestock show and observation of National Defense Day, Sept. 21.

### NSPE to Discuss Professional Status Of Land Surveyors

The National Society of Professional Engineers, Albuquerque Chapter, will hold a panel discussion during its monthly meeting Monday at 7:30 p.m. in room 101, Chemistry Bldg., University of New Mexico.

Program Chairman Bill Keeler (1282) announced that the panel subject will be "A Review of the Professional Status of Land Surveyors." Moderator will be Walter Dolde, vice president of the Public Service Co. of New Mexico, and members include Joseph Black (1282), staff engineer at Sandia Corporation, Eugene Zwoyer, UNM associate professor of Civil Engineering, and two representatives from the Roswell area.

An optional dinner will be held prior to the meeting. For information call Bill at Ext. 42157.

### Sannella Heads ISA

Albuquerque chapter of the Instrument Society of America elected new officers during a meeting this month. Heading the organization will be Nicholas Sannella, Jr. (1442). Purdy F. Meigs (1291) will serve as treasurer for the society.

### T. E. Shea Visits Albuquerque Friends

T. E. Shea, former Vice President and General Manager of Sandia Corporation, accompanied by his wife, visited in Albuquerque during this week. Mr. Shea was guest of the Large Staff at luncheon Thursday and also visited with other friends in Albuquerque.

Mr. Shea left Sandia Corporation in October, 1954, and returned to Western Electric Company as Vice President of Eastern Area Industrial activity.

### SPIE Meets Tonight

The Society of Photographic Instrumentation Engineers will meet tonight at 7:45 p.m. at 2942 Cagua NE.

Non-members are requested to make arrangements for attending the meeting by calling Irving Lenz (5221) at Alb. 6-7037.

Vice President Paul Travis (5221) will discuss the society's recent national convention and will present taped excerpts of key discussions pertaining to photo instrumentation.

F. O. Lane (5242) will talk about parts of the national meeting having to do with data reduction.

### New Mexico A&M Alumni Invited to Pre-Game Rally

Alumni of New Mexico A&M are urged to participate in a pep rally at the Franciscan Hotel Sept. 21 at 4 p.m. prior to the UNM-Aggies football game.

A motorcade from Las Cruces will arrive in time for the rally. Tickets for the 600-seat reserved

Aggie section at Zimmerman Stadium will be available at a special booth in the Franciscan Hotel lobby on Saturday from 9 a.m. to noon for \$2.50 each, according to Gordon Ross (3122-1).

### Welcome Back

Employees in 2150 welcome back Don Bunten (2154-2) after an extended illness. Also back are Howard Zimmerman and Carl Holmes, both of 2711.



EARLY RESIDENTS of Bldg. 836 were the occupants of this drafting room who were just getting settled as the cameraman came by. Superior air conditioning and lighting are features of the building.



LONE OCCUPANT worked in solitude in this area Bldg. 836 which is now completely filled. The building has 80,300 square feet of floor space and cost \$1,235,370. Moving will be completed this week.

## 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**  
 '52 FORD, 4 door, 6 cylinder, sedan, repainted, heater, seat covers, \$325. Bruce, Alb. 9-2542.  
 WASHING MACHINE, Bendix Dial O Matic, 3 years old, ideal where no service connection is available, \$45. Laws, Alb. 9-4935.  
 '52 PONTIAC, 8 cylinders, Catalina hard top, R&H, hydromatic, clean, \$495. Lepore, Alb. 6-8459, 5906 Aspen NE.  
 TOURING BICYCLE, French, Follis, weighs 23 lbs., 10 speeds, almost new, cost \$140, sell \$100. Scates, Alb. 9-9133.  
 VACUUM TUBE volt meter, Simpson Model 303; sell or trade for Heathkit VTVM. Kudrna, Alb. 9-1554 after 5 p.m.  
 ELECTRIC RANGE, Westinghouse, 2 ovens, automatic controls; would cost \$500 to replace, sacrifice at \$175. Creamer, Alb. 9-6739.  
 MOTOR SCOOTER, Cushman, '56 Eagle, \$265. Dove, Alb. 5-8169, 417 Tulane Dr. SE.  
 '55 BUICK Special, 4 door, w/extras. Griffiths, Alb. 6-6067 after 5.  
 GAS RANGE, Kenmore deluxe, 42 in., fully automatic, timer clock, grill in center or 5th burner, glass oven door, \$100. Sullivan, Alb. 6-7823.

DOBERMAN PINSCHERS, 2 females, 4 males w/pedigree. Baca, Alb. 3-3484.  
 RIFLE, .303 Enfield w/sportized stock, sling and recoil pad, \$45; .22 semi-automatic rifle w/scope, \$20. Quant, Alb. 9-69287.  
 '50 BUICK Special, 4 door, sedan, R&H, Dyna-flow, \$185. Luhrs, Alb. 9-2082 after 5:30 p.m.  
 AUTOMATIC SHOTGUN, Springfield 12-gauge, \$100 or best offer. Galbreath, Alb. 4-4306, 3730 Manchester NW.  
 TWIN BEDS, \$13 each, consisting of frames for twin beds, padded head and foot boards. Foster, Alb. 6-6008, 508 Hermosa SE.  
 GAS RANGE, middle griddle, large oven, timer, \$40; Cozy floor furnace, 35,000 BTU, \$35. DeSelm, Alb. 5-2634.  
 HEARING AID, Zenith, \$25; fur coat, woman's size 16, \$20. Smith, Alb. 8-1349.  
 WINCHESTER, 30-30 carbine w/tooled leather scabbard. Will trade for old guns. Zaluga, Alb. 4-1564.  
 VACUUM CLEANER, Hoover Holiday tank type, less than three years old, \$20. Charlton, Alb. 6-1865.  
 SLEEPING COTS, three at \$3 each. Regan, Alb. 6-9202.  
 '51 FORD convertible, R&H, 8 cylinder, clean, \$375. Welborn, Alb. 5-0592 after 5 p.m.  
 GAS RANGE, Western Holly, 4 burners, center griddle, \$75. Morgan, Alb. 5-9848, 7427 Leah Dr. NE.  
 HOUSE within walking distance from downtown, sprinklers in front and back, landscaped, walled, shade, hardwood floors, workshop. Mavis, 315 Arno SE.  
 '49 CHEVROLET, \$250 or best offer. Thomas, Alb. 9-0178.  
 EQUITY in '56 Chevrolet Corvette, fully loaded, stick shift, dual quad carbs, hard and convertible top, will consider trade. Harris, Alb. 4-5360.  
 .03 SPRINGFIELD (all milled), blued, sporter stock, sling swivels, recoil pad, \$45; A3 Springfield, \$35; both, \$75. McCullar, Alb. 9-0638.  
 TWIN STROLLER, \$20; folding wheelchair, \$30; drafting machine, new, \$90; forty feet electrode cable for arc welder, \$6. Schiess, Alb. 5-3252.

**NEXT DEADLINE FOR SHOPPING CENTER ADS FRIDAY NOON, SEPT. 27**

GIRL'S BICYCLE, full size, \$15. Colson, Alb. 9-3730, 1805 Lester Dr. NE.  
 LABORADOR RETRIEVER, black, AKC registered, 3 years old, field trained. Desjardin, Alb. 5-1150.  
 2 BR. HOUSE, large expandable, large landscaped lot, choice south valley location, \$13,500, take over 4 1/2% loan. Amonette, Alb. 3-8928, 1827 Neat Lane SW.  
 '51 HENRY J., 6 cylinder, OD, clean, one owner, other extras, \$250. Eaves, Alb. 6-6185.  
 '50 NASH Ambassador, 4 door sedan, \$125. Uhl, Alb. 8-1855, 501 Charleston NE.  
 2 GOATS, nanny and billy, \$25. Tatum, Alb. 2-9021.  
 '51 BUICK Riviera, R&H, Dyna-flow, seat covers, \$445. Schaefer, Alb. 9-2826.  
 '48 WILLYS panel delivery, 2 wheel drive, recent engine overhaul, 4 mud and snow tires, plywood paneled inside, \$225. Ward, Alb. 5-1320.  
 DEEP FREEZE, 11 cu. ft. upright; BC 348 communication receiver. Tilley, Alb. 9-2762.  
 FLUTE, Reynolds, good tone, \$100. Dunlap, Ext. 26136.  
 VIOLIN AND BOW, Andreas Morelli, velvet lined case, \$100; G.A. Fretzner violin bow, \$75. McRae, Alb. 2-4617, 1815 Siam Chi Rd. NE.  
 OFFICE DESK, 8-drawer, wood, 36x44, \$20; jazz drums, \$50. McGarvie, Alb. 9-1641.  
 DOBERMAN PINSCHER, female, 15 months old, AKC registered good disposition superior lines; tape recorder, V.M., three tapes included. Chandler, Ext. 41186.  
 CHILD'S DRESSER, wardrobe type, about 40x48x18", 4 1/2-width drawers, 1 full width, maple finish, \$20. Rector, Ext. 43185, 3158 44th Pl.

DEER RIFLE, .270 Remington, almost new, \$70; table and chairs, \$22.50; new 20 vol. Colliers Encyclopedia. Smith, Alb. 9-3580.  
 '53 FORD stationwagon, automatic, radio, heater, 2-tone, \$950. Fleming, Alb. 8-0578.  
 3 BR. HOME, ideal location, large shade and fruit trees, \$15,000. Nylander, Alb. 5-1693.  
 HYLITE BEAM, 3-element for six, ten or eleven meters w/10 ft. mast and TR 2 rotator, \$35. Banks, Alb. 5-2544.  
 BANJO, tenor, Kay, case, extra strings, \$45. Daut, Alb. 5-2529.  
 GARAGE DOOR, overhead w/hardware, make offer; silverplate, service for eight w/mahogany chest, \$30. Nelson, Alb. 9-3205.  
 '47 PONTIAC (8), 2-door sedan, new tires, seat covers, \$150. Canady, Alb. 6-2261.  
 '53 CHEVROLET, Bel-Air hard top, new overhaul, tires, seat covers, \$750. Rouckus, Alb. 6-6335.  
 HIGH CHAIR, \$5. Robinson, Ext. 23161.  
 MODEL A ROADSTER; '48 Mercury engine w/racing pistons, must be assembled, \$25. Anderson, Alb. 9-4518.  
 VACUUM CLEANER, Kirby, 4 years old, has buffer attachment, \$60. Galer, Alb. 8-0136.  
 '51 CADILLAC, Model 62, 4-door, WSW's, signal seeking radio, heater, hydromatic, black finish, \$895. Russell, Alb. 9-0159.  
 '12 GAUGE SAVAGE, automatic, No. 720, 3 shot, standard polychoke, rubber butt plate, \$50. Carbin, Alb. 5-2112.  
 SPARROW HAWK, female, tame, can be trained as falcon, \$8 or best offer. Gustafson, Alb. 9-3270.  
 26" BICYCLE, girl's, reasonable. Welker, Alb. 9-1179.  
 24" BICYCLE, girl's, has everything. Irwin, Alb. 5-8180 after 5 p.m.  
 DINING ROOM SUITE, 9 piece, and 5 piece bedroom set, both for \$175. Skender, Alb. 9-0635.  
 CLOTHES BASKET, canvas on casters, \$5. Pitti, Alb. 6-1629.  
 DINING ROOM SUITE, \$35; living room suite, \$35. Samuelson, Alb. 5-8243.

BABY ITEMS, bassinet and pad; play pen and pad; scales, toidy, bottle sterilizer, Teeterbabe. Parks, Alb. 8-0875.  
**WANTED**  
 USED CLARINET for beginning student; will rent or buy. Jercinovic, Alb. 5-8027.  
 CAPTAIN'S CHAIRS. Johnson, Alb. 5-5427.  
 '32 FORD or Model A, preferably coupe. Tichenor, Alb. 5-5183.  
 MECHANICAL DRAWING set, second hand. Serna, Ext. 49152.  
 MOUNTAIN LAND. Chavez, Alb. 5-5461.  
 WILL TRADE good blonde finish trundle beds for small twin beds in good condition. Reeder, Alb. 8-1903.  
 YOUTH'S BED. Gallagher, Alb. 6-6754.  
 HOME FOR KITTEN. Still need to find home for black female kitten before the next litter arrives. Tatum, Alb. 2-9021.  
 CEMENT MIXER, small, with or without electric motor. Wilson, Ext. 42242.  
 GRANDFATHER CLOCK, need not be in good running condition. Hill, Alb. 3-3493.  
 ICE CREAM FREEZER, hand turned, prefer 4 quart size. Farmer, Alb. 5-7279.  
**FOR RENT**  
 3 BR. HOUSE, newly redecorated w/den and walled yard, near Sandia Base, 708 Indiana SE, \$115 per month. Kersey, Alb. 9-2800.  
 MOUNTAIN CABINS, 1 bedroom, modern, car pool to bases, \$55 per month. Souder, Ext. 34161.  
 ROOM near university and buses, private entrance. Hewes, Alb. 3-5217.  
 SUITABLE SPACE for small machine or cabinet shop. Bailey, Alb. 6-3506.  
**LOST AND FOUND**  
 LOST—Lady's wedding ring; 3 keys in brown holder; prescription sunglasses; green and white plastic wallet; Ray-Ban sunglasses; squash blossom earring; shell earring. LOST AND FOUND, Ext. 26149.  
 FOUND—9 keys on ring; 4 keys in leather holder; 1 Yale key. LOST AND FOUND, Ext. 26149.



NO ENTRY reads sign at right of car, but driver ignores instructions and invites bad collision. Play it safe and mind the sign!



NO ROADWAY—This driver leaves the street to take a short cut home — or possibly a short cut to an impending accident.



WRONG SIDE OF ROAD — An accident is narrowly avoided as car on right quickly dodges off road to escape a smashup.

### Camera Catches Traffic Violators As They Tempt Fate, Collisions

Dangerous driving on public highways has reached startling proportions. Now that we find it in our own back yard it can be most tragic.

A photographer, gathering data for the Safety Department, has a collection of pictures showing traffic violations occurring in a Sandia Corporation area on Sandia Base. These photographs, three of which are shown above, are illustrative of practices observed on one afternoon. They are taken in the vicinity of "O" and 9th Streets, near the parking lot on the south side of the Tech Area.

In the cases illustrated above,

violators were driving on the wrong side of the road, ignoring "do not enter" signs and driving where there were no roadways. In addition some drivers were speeding, failing to use arm or light turn signals and displaying general discourtesy on the road.

The Safety Department points out that the wise driver knows he only hurries up to wait. In heavy traffic the fellow with the jack-rabbit starts who dodges in and out of traffic is usually side by side with the careful driver when he stops. What few minutes he might gain by his hot-rod tactics are a poor trade for the lives he may waste.

### Christmas Season Is Just Around Corner; Plan Parties Now

Reservations for organization Christmas parties at the Coronado Club will be accepted beginning Oct. 1, it was announced by A. C. Taylor (2153) secretary of the club's board of directors.

The ballroom and La Cana room will be assigned on the basis of the size of the requesting group, and the date and time the requests are received, Mr. Taylor said.

All requests should be made in writing by a club member and each organization should list an alternative date in addition to a first preference, Mr. Taylor advised.

### Winter Schedule Starts Sept. 29

It's almost time to change the setting on alarm clocks.

Effective Sept. 29 Corporation employees will go on the regular winter work schedule of 8 a.m. to 5 p.m. Second shift hours will be 5 p.m. to 1:30 a.m. Standard schedules for security guards will remain in effect.

With the winter schedule break periods for day shift workers will revert to 10-15:15 a.m. and 3-3:10 p.m.

Sandia employees at the Livermore Branch will remain on the 7:30 a.m. to 4:30 p.m. schedule.

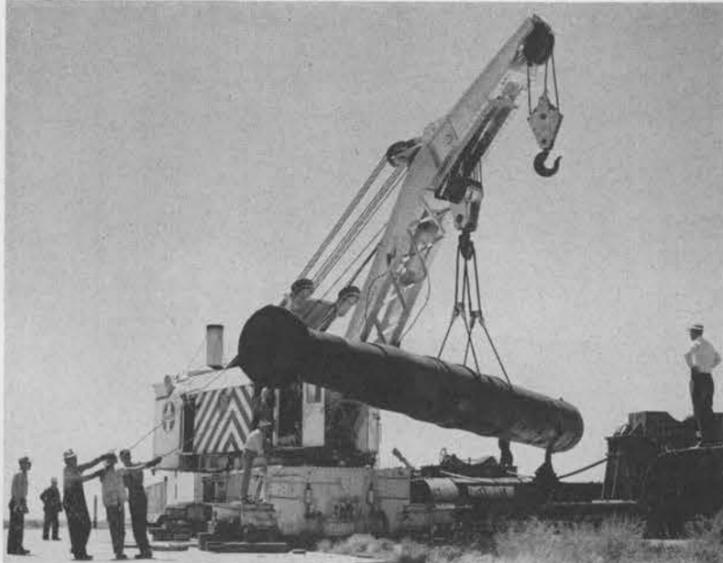
### Air Gun Test Device Used At Livermore

An 18-foot air gun has been installed at Sandia Corporation's Livermore Branch to simulate potential environmental conditions in the operation of nuclear weapons. The test device uses compressed air in place of high explosives as a propellant.

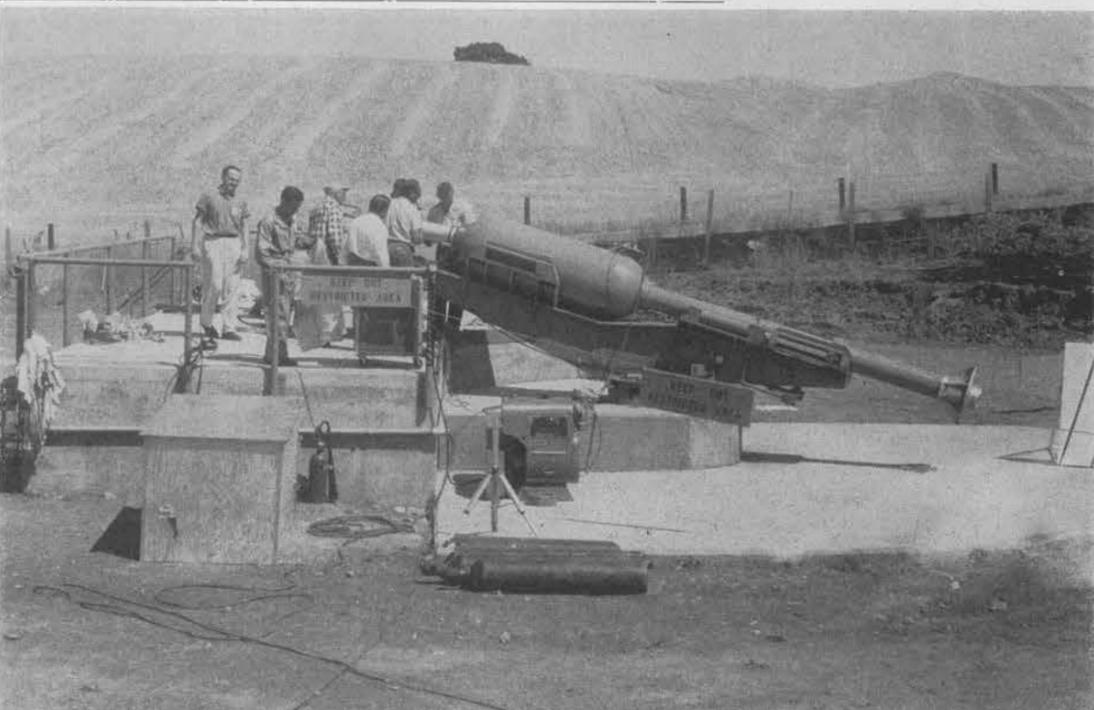
Test components, placed in the 8-inch barrel of the gun, are shot from the muzzle by a blast of compressed air released with explosive force from the tank at the rear end of the barrel. The escaping air causes a loud "pop" when the gun is fired, and subjects the projectile to acceleration forces of up to 5000 g's on impact.

The projectile containing the test components is fired at a target of concrete or other materials only a few feet from the barrel of the gun. The shielded location of the device and arrangements for operating it by remote control insure the safety of operating personnel and observers.

Performance data on the tests is obtained by remotely controlled optical and electronic instrumentation.



OPERATION BIG LIFT: This 16" naval gun weighing 85 tons was one of two delivered to Sandia Corporation by rail recently. A powerful railroad steam derrick, capable of lifting a locomotive, was used to unload the big gun at a railhead south of Tech Area I. The unloading operation took more than three hours. The guns were expected to be moved overland this week to Area III where they will form an air gun for environmental testing operations.



NEW "AIR GUN" INSTALLED AT LIVERMORE: This test device, operating on the principle of a child's air rifle, fires projectiles at a target a few feet away at acceleration forces up to 5000 g's on impact. The projectile, shown being loaded in the breach, contains component parts to be tested.

### Night Shift Work Doesn't Slow Down Bob King's Quest for College Degree

#### Employee Group to Have Discussions Of Great Books

A get-acquainted meeting for formation of a Great Books discussion group will be held Monday at 8 p.m. at the home of Bob Pardee (1621) at 3832 Simms Ave. SE.

Bob and Armin Behr (AEC) explain that such groups were started originally by the University of Chicago and are now sponsored by the Great Books Foundation of Chicago.

Paper-bound sets of books are made available by the foundation with 18 volumes "required" reading for the first year. Meetings will be held every other week at which time a discussion will be held on the book chosen for that period.

Bob points out that there are no educational requirements for the group, all that is required is an interest in reading and discussing books.

For additional information call Bob at Alb. 5-1998 or Armin at Alb. 6-8492.

#### Tech Council Elects Sandians As Officers

Sandians made nearly a clean sweep of officers during elections by the Council of Technical and Scientific Societies.

At the group's annual dinner meeting Sept. 12 Lee McKittrick (1611) was elected president. Other new officers who will take office immediately are: Lou Bothell (1613), vice president; Sid Gasser (2514), secretary; M. D. Phillips of ACF, treasurer.

Lou Bothell was also named managing editor of the societies' publication, New Mexico Tech Activities. Max Weber (5121) will continue as editor, H. B. Young (7422) will serve as associate editor and Carlton Scott (1624) is circulation manager.

When Robert L. King is handed his degree at the University of New Mexico next June it will mark the conclusion of a rough schedule of classes combined with 33 months of night shift work at Sandia Corporation.

"Bob" is a document clerk in section 2461-4. During the school



Bob King —document clerk at night—

term he has carried as much as 17 hours of college courses during the day in addition to working his full-time schedule. He's now in his senior year of chemical engineering.

Bob decided in high school that he liked chemistry, although he admits "I'm really a frustrated pre-med student." After his freshman year at Fort Hays Kansas State College Bob transferred to UNM.

Last semester he qualified under the Corporation's educational aids program for assistance in the form of a partial tuition-refund on his schooling.

This fall he will carry 13 hours—a unit operations course and a chemical engineering math course.

Classes, work and studying don't leave this 22-year-old bachelor much free time, but any leisure hours usually are spent in his speedy red Volkswagen.