

IN REPLY REFER TO:
ARS:ELB

J. W. McRae, President
Sandia Corporation
Albuquerque, New Mexico

Subject: SAFETY AWARD OF HONOR

Dear Doctor McRae:

I take great pleasure in presenting to the Sandia Corporation the AEC Award of Honor for exceptional accident prevention in 1957.

In forwarding the award Mr. K. E. Fields, General Manager said:

"This is the fourth AEC award achieved by Sandia employees, and it is with pride that we acknowledge this fine accomplishment which is evident of their high regard for safety.

"Please extend the appreciation of the Commission and my personal congratulations to J. W. McRae, President, and to the employees, for this outstanding performance."

Please accept my sincere thanks for the attention and effort you have given to this important phase of your program. Also, please extend to your staff and employees my commendation for this superior safety performance, and my appreciation for their efforts and teamwork in establishing such an outstanding record.

Sincerely yours,



K. E. Fields
Manager

Enclosure:
Ltr Fields/Hertford, 6/12/58

SUPERIOR SAFETY PERFORMANCE—The above letter was notification to Sandia Corporation that it had earned the AEC Safety Award of Honor for substantial reduction of injuries during 1957.

Sandian Miniaturizes in Big Way; Builds Radio into Cigarette Case

Friends of Jim Stueber (5224) always take a second look at his king-size cigarette case when it starts playing music.

Jim designed and built a 9 volt transistor radio, along with George



Jim Stueber (5224)

—radio fits in cigarette case—

G. Curry (5232), about a year ago and it all fits neatly into the 3½ by 2¼ inch container.

The radio, which he re-charges by plugging into a regular household outlet, is made of both Japanese and American parts, and cost about \$20 to make. Jim also said it took an undeterminable number of evening hours to complete.

A radio ham, Jim has also built a shortwave receiver—a 10 meter amateur band—and another smaller radio which has to be used with an earpiece.

He is used to working on "little things" since his job at Sandia is with sub-miniaturization and printed circuits.

Sandia Consultant to Speak at University To ACS Members

Dr. Henri S. Sack, a consultant to Sandia Corporation, will speak to the American Chemical Society's local chapter tonight on the subject "Internal Friction—A Tool to Study Imperfections in Solids."

The talk will be concerned with the use of internal friction as a method for the study of dislocations in the crystal structure of metals, ionic crystals and plastics.

The talk will be given at the chemistry lecture hall at the University of New Mexico at 7:15 p.m. It will be preceded by a dinner at La Hacienda at 5:45 p.m. All those interested are invited.

Chemical Society Offering Special Science Programs

A program of speakers and demonstrations is being offered by the Central New Mexico Section of the American Chemical Society to interested students, science clubs and other groups.

This activity supplements the present series of programs on chemistry entitled "Tempest in a Test Tube" being offered every Tuesday at 7:30 p.m. on station KNME-TV, channel 5. The films were prepared by the American Chemical Society to indicate the role of chemists and chemistry in modern science.

Members of the local group's public relations committee include Dr. F. Hobby Kruse of Los Alamos and Dr. Irving Auerbach (5150).

If each Sandia Corporation employee would stop work five minutes early once each week during a year it would cost the Government \$96,000 in lost time. (Page 2 Editorial)



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

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ALBUQUERQUE, NEW MEXICO

JULY 11, 1958

C. H. DeSelm Is Named Director Of Surveillance

C. H. "Hilt" DeSelm assumed duties as Sandia's Director of Surveillance and Operations (7300) on July 1, replacing L. E. Lamkin, who is now Superintendent of Inspection (2700).

A Sandia employee for 12 and one-half years, Mr. DeSelm was



C. H. "Hilt" DeSelm

a division supervisor until June 1948 and a department manager since September 1950.

Mr. DeSelm attended Crane Junior College, the Armour Institute, and the University of Arizona, where he received a BS degree in Mechanical Engineering in 1941. The university awarded him the honorary degree of Mechanical Engineer in 1954.

Served in Navy

Following college he worked more than two years for Goodyear Aircraft Corp., Litchfield Park, Ariz., as section head in charge of engineering design changes for aircraft sub-assemblies. Mr. DeSelm also served as a senior tool liaison engineer.

From 1944-46 he served in the Navy, attached to the Manhattan Engineering District and assigned to Oak Ridge, Tenn., and Los Alamos.

After World War II Mr. DeSelm remained at Los Alamos where he was an acting group leader and later alternate group leader in the design of special weapon mechanical components, handling equipment and test aircraft modifications.

Was Staff Engineer

His first duty at Sandia as a staff engineer was in liaison work with the Navy.

As a department manager he headed various design, project and engineering groups in the systems development organization. He has been manager of the Auxiliaries Engineering Department since August 1956.

Mr. DeSelm is a past chairman of the American Society of Mechanical Engineers, Albuquerque section; past chairman of the Alpha chapter, Tau Beta Pi, engineering honorary, and is a member of Theta Tau and Pi Tau Sigma, engineering honoraries.

Agreements Signed With O & C, P & M, Guard Units

Supplementary Agreements resulting in pay increases and greater fringe benefits have been signed by Sandia Corporation and the Metal Trades Council, Office Employees International

Union and International Guards Union of America.

The O & C and P & M agreements were effective July 1.

Employees represented by the Production and Maintenance Unit were given 8 or 9 cent increases. Employees represented by the

Tales of South Pacific Coming to Lab News

The living and playing of Sandia Corporation employees at the Eniwetok Proving Ground is being reported to Lab News readers beginning this week. C. A. "Kip" Blossom, in a series of letters, will report Sandia's South Pacific Story

See Page 2

Health Care Plan Enrollment Runs All This Month

The entire month of July is an enrollment period for the Sandia Corporation Health Care Plan.

Division supervisors have a supply of booklets giving the details of the plan. They also have enrollment cards for employees who wish to join during this period. The cards should be returned to Division 3122 after both sections have been filled out.

Weekly-paid employees will have four deductions made for each month's premium. These deductions will be made the fourth weekly pay period of the month and the first three of the next month. If enrollment cards are received by July 15, the first deduction will be made July 25. If cards are received after July 15, two deductions will be made Aug. 1.

Monthly-paid employees will have their first deduction made July 31 if the enrollment card is received in 3122 by July 15. If the card is received later, two deductions will be made August 31, one for the August premium and one for the September premium.

Sandia's New Health Care Plan Pays 325 Claims During First Two Months

During the first two months of Sandia's Health Care Plan 325 claims were paid.

The largest claim paid so far is for \$1,604. The total bill involved was \$2,005, the difference paid by the employee, \$401. Here's the way the bill looked as compared to what the employee would have received under the old Hospital-Surgical Plan which he had cancelled only six days prior to incurring this expense.

Doctor Charges	Actual Charges	Amount Recovered	
		Health Care Plan	Hosp.-Surg. Plan
Surgeon	\$1000	\$ 800	\$250
Asst. Surgeon	150	120	---
Diagnostician	250	200	---
Sub Total Doctor	\$1400	\$1120	\$250
Hospital Charges	505	\$ 404	\$344
Anesthesia	100	80	75
Total Charges Summary	\$2005	\$1604	\$669
Health Care Hosp.-Surg. Plan		\$ 1604	\$ 401
		\$ 669	\$1335



SANDIA CORPORATION HAS WORKED
36 DAYS
WITHOUT A DISABLING INJURY

HERE'S WHY...

Sandia Corporation employees possess "horse sense" which is another term for stable thinking. They know they don't want to be injured and they exercise the necessary and proper precautions. Supervisors realize their responsibility for the safety of their people, too, and this combination spells safety.



The Sandia Lab News is an official publication of the Sandia Corporation, Albuquerque, N. M.
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Let's Spend Wisely

It is interesting to note that in these days businessmen are casting unusually critical eyes at costs of operation. This is a sign of the times — and a sign of good business judgment.

With profit and loss foremost in mind, even operators of concerns which are comfortably in the black are watching costs. Costs are the key to profits.

One business operating far in the red is the U. S. Government. The fiscal year which just ended found Uncle Sam spending several billion more dollars than he took in. This is nothing new, but it is just as unhappy a situation as it ever has been.

With this deficit financing continuing it behooves everyone spending federal money to take it easy, use good judgment and make every dollar count. When we talk about persons who spend government dollars we are including ourselves here at Sandia.

Sandia's projects are all conceived on sound business bases. Business considerations have entered into all decisions. The actual spending of the dollar rests with the individuals involved in the execution of the plan.

The project may be a new weapon which will call for spending of millions, or it may be a minor action common to any businesses involving only a few dollars. Regardless of size the good or bad utilization of funds is determined by the individual employee.

Frequently it is the little things that add to the costs of operation. Little things which could be controlled by any of us. Like "knocking-off" work five minutes early.

The Editor's Incoming Mail

Dear Editor:

It has come to my mind that Sandia Corporation personnel might be interested in knowing how we of Full Scale Test live and work here at the Eniwetok Proving Ground. It goes without saying that the only portions of the overall job that I can describe are the general day to day living and off-duty recreational activities.

With this thought in mind here is a report on how we live out here. Later I will write another letter telling about the recreational activities.

Having two installments to this



Marilyn Howard (2551)

Take a Memo, Please

Be sure to take safety along with you on your vacation and to bring it home again. Guard vacation pleasures by taking safety measures.

story will help boost the circulation of your paper. I know that it sometimes lags during the summer months.

Here on Eniwetok we are housed in metal barracks similar to Butler buildings. The barracks are partitioned off into four-man rooms, the rooms being large enough to accommodate eight people during the tourist season.

The buildings are of special construction for use in tropical areas in that the sides can be completely opened to the trade winds. Being of aluminum construction they are durable and long lasting in a climate such as we have here. Once or twice it has hailed out here and this can make a deafening sound inside the barracks. At Bikini we are housed in eight-man tents. Our tent is 20 to 25 feet away from the ocean. We gather on the "patio" after supper and relax while watching the surf roll in.

A Prime Contractor to the AEC (Holmes & Narver) operates the mess halls at both atolls, and operate they do. Seldom do you hear a complaint on the food served except many complain about not being able to push away from the table. We never fail to wonder how such good food, including fresh vegetables, can be served daily so far from "civilization" so to speak.

We have a scheduled seating time and at the sound of the siren head that way. The food is served to us family style and when a plate needs refilling we simply hold it up and the mess boys get it filled.

Saturday night is "steak night" out here. Either New York cuts or filet mignon. We can have as many steaks as we can put away and usually just the color we want. This along with French fries, fresh salad and finishing off with shortcake and fresh frozen strawberries makes for a well rounded meal.

Guess I better end the first installment here. Will write again soon on how we spend our leisure hours.

C. A. "Kip" BLOSSOM
(Editor's Note: Kip Blossom has been with Sandia Corpora-

Weddings and Engagements

June brides included Betty Gurule (7225), who married Chris Montoya of Albuquerque.

Betty has been at Sandia since March 1957.

A party was given at the home of Edwin F. Johnson (1624-3) early this month to announce the engagement of Vivian Richards (7223-2) and Kenneth A. Sabisch (1624-3).

The couple will be married July 13 in La Junta, Colo.

Vivian has been at Sandia a year and her fiance has been here since last August.

Mr. and Mrs. John F. Mavis announce the engagement of their daughter Betty Jane (7225-3) to



Miss Mavis

Jerry Cole (2153-3). The wedding is planned for Sept. 13 at 7:30 p.m. in the First Methodist Church.

Betty has worked for the Corporation a year and a half and Jerry has been at Sandia five years.

Best wishes are extended to Walter Clark and his wife, the former Dorothy Graves (2562-3), on their recent marriage.

Dorothy has been employed at Sandia for four years.

Sandianotes

Stemware, Candlelight, Soft Music Features of 'Formal' Canyon Dinner

The annual river trip of three Sandians down 135 turbulent miles of the Colorado this year featured soft music and an unusual banquet.

Crew of the "schooner patrol" included G. A. Fowler, Vice President, Research, B. C. Benjamin (5216), W. T. Smith (5215), and Clifford Long, a former Sandian now at Los Alamos.

The rubber raft and kayak in which they traveled entered the flood stage water at Hite, Utah, and emerged two weeks later at Crossing of the Fathers. The men camped each night at an interesting site and explored many canyons.

Despite the thrills of shooting

eight rapids, the high point of the trip occurred at Rainbow Landing, about the most desolate place along the route. In repayment of an old debt, Boatman Fowler set about making that evening's meal unforgettable. Out of his pack came a delicate white and gold tablecloth, candles and a pair of crystal holders, champagne, after dinner liquors, appropriate crystal stemware, and a box of cigars.

Camp Cook Smith met the challenge by serving fried chicken, candied yams, creamed onions and cherry pie hot out of the Dutch oven.

The other two members kept the records changed on the portable phonograph.



NO FISH from this expedition. But 21 members of Division 1246 enjoyed two days recently on Conejos River in Colorado. L to R: Fred Edwards, John Newberger, John Budlong and Frank Loomis. Al Racoczy as photographer brought back evidence of a good time.

Sandians Who Serve

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



ROCKING AND READING to small patients is one of the Volunteer Service duties that Betty Lou Myers (3152-2) enjoys performing the most.

New Homes

Mr. and Mrs. Richard Wiesch have moved into their new home at 3580 Florida NE. Joanne works in Section 7225-5.

Moving day was also recently for Mr. and Mrs. William F. Hartman (1261-2), who now live at 6213 Mossman Place NE.

Vernon (2441) and Barbara Kerr (7424) are nicely settled in their new home at 10505 Apache NE.

Mr. and Mrs. Alfred W. Mercier and family (2722) are happily settled in their new home at 1816 Propps NE.

A new home owner at Livermore is John Thorpe (8212-1) who has moved with his family to 1625 Alavardo Court.

A recent Livermore transfer, John F. Bryson (8225-1), is now settled at 335 Scott Street.

tion about five years. He is supervisor of Field Services Section, Material and Field Services Division. Kip has been in Field Testing since coming to Sandia except for eight months spent at Livermore Branch. He previously participated in test operations "Castle" and "Redwing" in the Pacific and "Teapot" and "Plumbbob" in Nevada.)

Every Monday afternoon at quitting time Betty Lou Myers and Marilyn Reed leave their jobs at Sandia and spend the next two or three hours at the Bernalillo County-Indian Hospital as members of Volunteer Services.

Their community work may find them carrying iced water to patients, feeding children or adult patients, wrapping instruments for sterilization, distributing donated bouquets of flowers or checking charts.

Betty Lou handles pre-employment records (3153-2) at Sandia and Marilyn is a secretary (1283). Both started their volunteer work in January.

Mrs. Lilybelle Hart, who is in charge of Volunteer Services, notes that there is a particular need for women to work from 6:30 to 8:30 p.m. at the hospital reception desk.

"Sometimes our jobs may seem trivial," Mrs. Hart said, "but I tell the women not to be disappointed. Our main purpose is to be here, available in case of any emergency."

Art League Ball

The New Mexico Art League Ball held recently in Albuquerque found several Sandians winning prizes for their costumes. Included were R. E. Butler (5524), E. R. Frye (1625) and Richard Strome (2463), who also was on the decorations committee.

Promotion Cake

Co-workers of Wes Johnson thoroughly enjoyed his recent promotion to supervisor of section 2234-1. Everyone sampled the cake marking the event.

Renews Acquaintance

The first of the University of New Mexico's Lecture Under the Stars provided an opportunity for Ellen Foster (2461) to renew an old friendship.

The speaker for the start of the summer lecture series was Dr. John Furbay, internationally known explorer, educator and global air commuter. The two attended high school together in Mt. Gilead, Ohio, for four years and had not met again for 37 years.



NECESSARY TASK at any hospital is washing rubber gloves. Volunteer worker Marilyn Reed (1283) gives them a sudsing.

Wedding Anniversaries

Mr. and Mrs. John B. Hobart (2722) celebrated their 18th wedding anniversary on July 6.

A special dinner party marked the 17th wedding anniversary of Mr. and Mrs. Robert F. Masak (2722) on June 14.

Other couples observing anniversaries include Mr. and Mrs. Tim Preston (1592) and Mr. and Mrs. Joe Schatz (5126) both marking their 10th on June 27, and Mr. and Mrs. Jack Wiesen (1592), their 16th anniversary on July 18.

Congratulations

Congratulations are extended to Robert T. Tuffnell (2722) on his recent marriage to the former Patsy Ruth Morgan of Hazleton, Pa. After the ceremony in the Sandia Base Chapel the couple honeymooned in northern New Mexico.

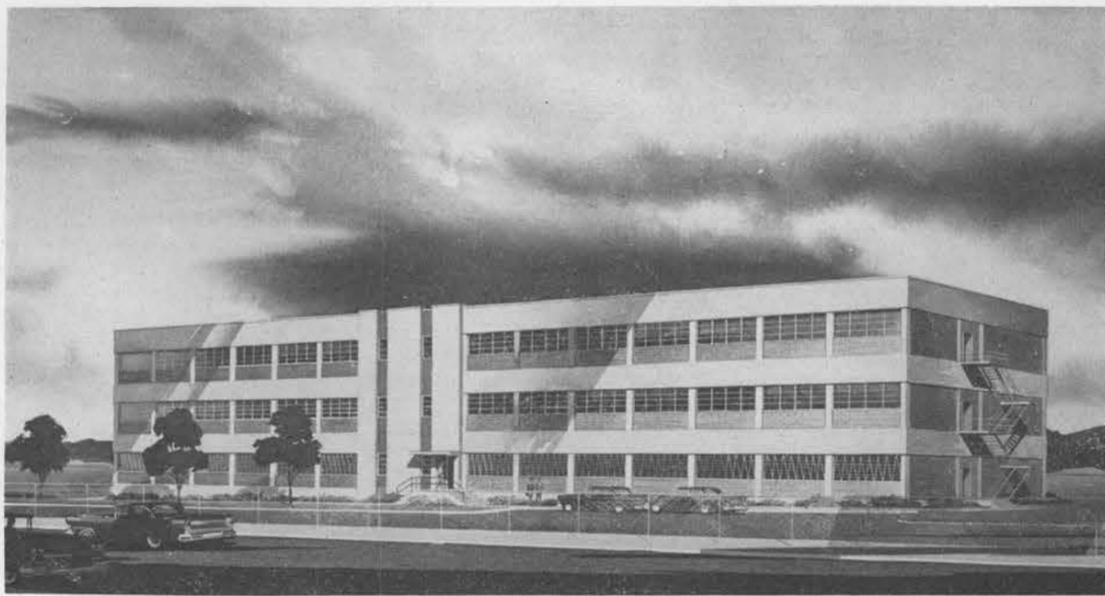
Installed

Howard Hadlock (2742) was recently installed as Guardian for the New Mexico Grand Association of Job's Daughters.

Back at Work

Department 5510 welcomes back A. F. Cone after recent hospitalization and surgery.

Also returned to work is Berenice Henry (2464) — her Collie, Kelly, is back on the job, too.



\$1,600,000 Materials, Standards Lab To Be Built for Sandia Corporation

Flexibility for expansion was a main requirement in the design of Sandia's new Materials and Standards Laboratory, Bldg. 861, which is moving from the drawing boards to the construction stage.

According to an AEC announcement, Robert E. McKee, contractor, was low bidder June 24 on construction of the 75,000 sq. ft. building with a bid of \$1,277,679. Total cost of the project is estimated at more than \$1,642,000. This includes equipment, architect-engineer fees and installation of partitions.

Three Stories High

This will be the first three-story structure to be built at Sandia Bldg. 802 since construction of Bldg. 802. Completion is expected about Sept. 1, 1959. The building will be located two blocks south of Bldg. 802 on property recently transferred from the military to the AEC.

Dimensions of the building are 75'x280' however it is designed for future construction of wings at each end and the addition of a similar building to join the wings, forming a rectangle with an enclosed courtyard. The plans for the first phase take into consideration these additions so that extensive modifications will not be necessary later.

Easy to Change

A high ratio of net usable space combined with a minimum of permanent construction make the building adaptable to continuous changes in the internal arrangements for Materials Standards Department 1620 and Physical and Electrical Standards Department 1650. Movable metal partitions will be used except at permanent division walls.

The plan calls for a 12 foot service corridor in the basement the length of the building, offset from the center. This allows offices and light laboratories 25 feet deep on one side of the hallway and laboratories 38 feet deep on the other side. The bays are spaced every 20 feet and can further be divided into four equal areas.

Two Contracts Let for Sandia Lab Buildings

Contracts were let last week for two Sandia Laboratory construction jobs.

A 3,540 sq. ft. addition to the wind tunnel building will house an existing small dust tunnel. This will be located directly east of the present building. Included will be space for an air compressor, air driers, vacuum pump and tank. Cost of construction will be \$180,000.

These and other planned improvements to the wind tunnel facility were in the last issue of the Sandia Lab News.

The second contract was for the erection of a government-provided steel building in Coyote Canyon. The new building is designated Bldg. 9820 and will be used for test purposes. It measures 36 by 80 ft. and the cost of installation will be \$29,000.

The two Sandia organizations will require laboratory and office space for research, development, testing and measuring in physics, chemistry, metallurgy, plastics and other non-metallics, elastomers and adhesives.

The building will have a reinforced concrete frame with non-structural concrete masonry wall panels and be similar in appearance to Bldg. 836. The first floor will have concrete slab floor construction but the others will have steel cellular floors. All will be covered with asphalt tile. An under-floor electric duct system will be used throughout providing unlimited flexibility in the system.

Air Conditioned

Heating, ventilation and refrigerated air conditioning will be through high velocity forced air ceiling ducts, similar to systems used in Bldgs. 802 and 836.

Basement space will house major electrical and mechanical components required for the building.

Preliminary plans and design criteria for this building were drawn up by the Plant Engineering Department (2440).

Final plans and specifications were prepared by the architect-engineer under contract to the AEC.

Evan L. Storms Retires June 30

Retiring on June 30 was Evan L. Storms (2112), who had been employed at Sandia nine and one-half years.

He had worked in the model



E. L. Storms

shops organization the entire period.

Mr. Storms doesn't have any particular plans as yet but he and his wife intend to continue making their home in Albuquerque at 1337 Boatright NE. He has a son living in Albuquerque and also a grandchild.

5521 Picnics

Variety was a main feature of Division 5521's recent picnic at Pine Flats. A picnic and cook-out started off afternoon activities, followed by softball and other games. About nine o'clock the 20 couples called it "quits" after singing around a campfire.

New York Student Attributes Award To Wind Tunnel Book by A. Y. Pope

A book, *Wind Tunnel Testing* by Alan Y. Pope, Sandia Aerodynamics Department Manager, is considered by an Eastern high school student as being the reason he won honors in the Western New York Science Congress.

Jay A. Lockie, 17, of Kenmore, N. Y., wrote that he received the top prize with an operational low-speed wind tunnel. The 16th annual competition was sponsored by the Buffalo Evening News, the Buffalo Museum of Science and the State Science Teachers Association.

The student started in April 1957 to design a model wind tunnel in which to test model airplanes. When he became stumped as to a practical method of flow visualization which could be used, Jay turned to Mr. Pope's book and found several satisfactory methods.

Jay wrote: "Your book was the main factor making my project a success. I am now studying your chapters on model measurements and instrumentation before attempting to instrument my test section."

Mr. Pope has just finished another book describing how to build supersonic wind tunnels. Perhaps Jay's next tunnel will operate in a higher speed region.

Junior Livermore Ball Clubs Eyeing League Pennant

Two junior league baseball teams sponsored by Sandia employees at Livermore have that pennant look in their eyes this season.

With Dukes to go, the Sandia Dukes hold down first place with an 8-2-1 standing. The Sandia T-Birds, also facing five more games, are close behind in second place with a 7-3-1 standing.

Both teams of 10 and 12-year-olds are in the same junior league in the city. The top team in each of the two leagues in Livermore will play late in July for the local "junior world series" championship.

AEC Fellowship Winners Will Tour Tech Area Tomorrow

A limited tour of Sandia Corporation facilities will be conducted tomorrow morning for 21 fellowship winners attending the University of New Mexico under the joint sponsorship of the AEC and the National Science Foundation. The fellowship participants are high school science teachers attending a special science seminar at the University.

The group will tour machine shop facilities in Bldg. 840, organic chemistry labs, environmental test facilities and the "hot cell" in Bldg. 860, see a movie of Field Test activities and spend an hour in Bldg. 880 viewing the analog and digital computers in action.

Visitors for the tour will also include six representatives from UNM.

Leaders Needed For Boy Scouts On Sandia Base

Scouting on Sandia Base is experiencing a severe shortage of leaders. The great need is for scoutmasters and assistant scoutmasters.

The call for help has gone out from the commanding officers of Sandia Base and Manzano Base, Col. W. A. Bailey and Col. B. F. Witsell; Kenner F. Hertford, Manager, ALO-AEC; and S. P. Schwartz, Vice President and General Manager, Sandia Corporation.

There are 120 boys in scouting on Sandia Base. The number is increasing due to greater interest in the program and the acquisition of Wherry Housing Area by the government. The boys are all sons of military, Sandia Corporation and AEC personnel on Sandia Base and Manzano Base.

Any person working on Sandia Base who is interested in assisting in the program is asked to contact one of the above. Persons selected to undertake this work may be assured of the complete support and assistance of the entire Base.

Engineers Go Picnicking In Sandias on July 27

The New Mexico Society of Professional Engineers will hold their annual picnic Sunday, July 27, in the Sandias east of Bernalillo.

The day-long affair will feature games for children and adults, ice cream and other refreshments. Tickets may be obtained in advance from Bill Keeler (1282).

The picnic site is 12 miles east of the junction of highways 422 and 44. Signs will be placed along the way.

Hank Tendall Leads Mountain Club Into High Sierra Country

Arrangements are underway by the New Mexico Mountain Club for the annual summer outing, to be held this year from Aug. 16-Sept. 1 in the California high Sierras.

Pack animals will be used to transport gear to the base camp and four-day back-pack trips can be made from the camp site.

Further information may be obtained from Hank Tendall (1215), Ext. 23195.

At Army Finance School

From Fort Benjamin Harrison, Ind., comes word that Lt. Col. Harold V. Catt completed two weeks of annual active duty training at the Army Finance School as a member of the 4153rd Army Reserve Service Unit.

In civilian life — the other 50 weeks of the year — Harold is supervisor of Sandia's Auditing Division 4121.

Service Awards



Carl D. Northam
7315
July 13, 1948



Warren E. Pierce
2221
July 15, 1948



John R. Piper
1246
July 12, 1948



Rafael Montoya
2473
July 15, 1948



Robert N. Schowers
1542
July 13, 1948



Horace G. Pickard
7313
July 1, 1948

10 Year Pins



Mildred D. Whitten
8212
July 18, 1948



Roger C. Williams
2462
July 19, 1948



Willis E. Johnston
1414
July 12, 1948



Joseph L. Hickey
4161
July 14, 1948



Walter R. Sims
7329
June 28, 1948



Arthur W. Porter
2111
July 15, 1948



Tommie D. Hill
2235
July 13, 1948



Chris O. Padilla
7411
July 20, 1948



Tom Silva, Jr.
2411
July 15, 1948



Walter W. Barnett
2474
July 19, 1948



C. A. Lowry, Jr.
7313
July 12, 1948



Daniel B. McCarthy
3151
July 14, 1948

Five Year Awards

July 12-18

C. B. Stillwell 1541, Marilyn J. Franzen 1652, Carl H. Mauney 1264, Jack W. Choate 2462, Gloria J. Maginnis 7225, Adam Trujillo, Jr. 7232, and William F. Jemison 1591.

July 19-25

William H. Myers 4121, George S. Kinoshita 1264, Grover W. Hughes 1215, David M. Webb 1261, James T. Carrell 8111.
Edwin G. McGarvie 5513, Wanda S. Bishop 3164, Henry L. Durlinger 2553, John E. Stang 2543, and Raye C. Knoff 7226.

Two Year Certificates

July 12-18

Joe B. Sanchez 2413, Clarence W. Huddle 5132, Roy A. Hanson 5531, Byron A. Hock 1246, Allen J. Korbe 5214, Roy H. Lanes 5253, William E. Price, Jr. 1263.

William J. Brion 1541, Robert W. Kaufmann 7411, Roy M. Adams 8112, Austin V. Glover 7313, Crissie C. Sanders 7325, Edward H. Hughes 7323, Joseph G. Patry 7321, Dora Zamora 2461.

Lillian B. Sandin 2711, Marie C. Bowers 3211, Evelyn H. Ridsdale 7225, Mary M. Case 2112, Amos D. Alire 2234, Calvin Thomas 2482, Richard A. Case 1472, Winfred E. Bergsten

2721, Hermann A. Wente 5232, Mary L. Atencio 2461, Theodore R. Payne 2731, C. E. Bennett, Sr. 1613.

July 19-25

R. E. Schaefer, Jr. 2236, Charles M. Judd 2131, Alfred A. Amato 4362, Phyllis B. Preston 4135, Floyd L. Botkins 7314, Douglas M. Bruce 1280, Howard A. Singleton 1247.

Donald D. Robie 1471, Edward E. Godin 1463, Patricia A. Metzler 2513, Frank F. Taylor 3123, Paul R. Souder 1262, Phil Moya 2112, Roger H. Pike 7321.

Harry W. Thorp 4153, L. M. Milesosky 7225, Mary L. Doederlein 7225, Orville C. Lee 2713, Elbert O. Elliott 7411, and Mary L. Darby 2542.

Junior Horsemen Showing Mounts in Rio Grande Show

Pat and Pete Roper, children of E. L. Roper (5513), will be among the juniors participating in the regular monthly Rio Grande Horse Association show at the posse grounds July 13 at 8 p.m.

The juniors, all under 17 years, compete with both English and Western classes.

The Roper youngsters have taken part in horse shows in Phoenix and Roswell already this year and in 1957 Pat received the Rio Grande's sportsmanship trophy while Pete was reserve hi-point boy.

The juniors are sponsored by the Rio Grande Horse Association, a non-profit organization. Children interested in riding are welcome.

Sandians active in the Association include Irving C. Ellicott (7411-5), who is vice president, J. W. Wade (2111-3), E. L. Roper (5513), and Frank R. Blair (7411-1), who is the junior sponsor.

Promotions

M. Roberta Brown (2231) to Wireman
Felix S. Gabaldon (2711) to Inspector
Samuel M. Bragg, Jr. (2721) to Inspector
Louis F. Roybal (2711) to Inspector
Bertha E. Berger (2711) to Inspector
Berta L. Guest (2711) to Inspector
Ordella M. Folkman (2711) to Inspector
Dorothy Reinertsen (2721) to Inspector
John S. Armijo (2711) to Inspector
James D. Whitfield (2711) to Inspector
John S. Talbutt (2711) to Inspector
C. B. Torres (2121) to Molder
Lenor W. Morrison (2131) to Technician
Carl W. Kanerva (2131) to Technician
James V. Williams (2131) to Technician
Ernest R. Sanders (2131) to Technician
Lisle E. Hubbard (2121) to Pattern Maker
Joe L. Garcia (2461) to Mail Clerk
Lucy Garcia (4131) to Payroll Clerk
Helen M. Hayes (4131) to Payroll Clerk
Ruth E. Fogarty (4135) to Invoice Clerk
Francis L. Najor (4135) to Invoice Clerk
Lucille E. Baier (5125) to Data Reduction Clerk
Theodore J. Saselli (8222) to Transportation Dispatcher
Elbert C. Mathias (2721) to Staff Asst.
Rollin W. Russell (1611) to Staff Asst.
Anthony E. Astroga (1611) to Staff Asst.
Phillip S. Young (1611) to Staff Asst.
Alvin E. Farmer (7311) to Staff Asst.
Edward J. Haut, Jr. (7242) to Staff Asst.
J. W. Windsor (2711) to Staff Asst.
Mary R. Strickland (8212) to Staff Asst.
James M. Murray (7421) to Staff Asst.
Robert L. Armstrong (7123) to Staff Member
Jack C. Hughes (5112) to Staff Associate
James D. Smith (5112) to Staff Associate
Onesino Martinez (2418) to Laborer
Martha R. Newby (2231) to Sorter
Edward Cocco (2133) to Wireman
Mabel E. Ferrigault (2231) to Wireman
Lorraine Craven (2231) to Wireman
Fleta N. Forsman (2711) to Inspector
Alfred Herrera (2721) to Inspector
Donald Peacock (2411) to Refrig. & Air-Cond. Mechanic
Frank Castillo, Jr. (2721) to Layout Operator
Nellie S. Sanchez (2461) to Voucher Clerk
Leo C. Chavez (2461) to Mail Clerk
A. E. Huddleston (2463) to Document Clerk
Carol A. Beatrice (2525) to Prod. Release Clerk
M. Helen Walker (4135) to Invoice Clerk
Frances J. Adams (4333) to Senior Clerk
Betty L. Baros (7221) to Senior Clerk
R. R. Grandstaff (7225) to Secretarial Typist
F. Vivian Richards (7225) to Record Clerk
Dorothy Benton (4135) to Acctg. Clerk
Dorothy Harrington (7221) to Library Asst.
Dorothea A. Drury (7225) to Senior Clerk
John G. Boyes (2221) to Expeditor
Ralph E. Sanders (7233) to Utility Operator
Eunice A. Cope (7322) to Secretarial Typist
Carol J. Campbell (8212) to Secretarial Steno.
Dorothy M. Wiemken (8212) to Senior Clerk
Helen A. Neubauer (7225) to Secretary
Barbara R. Shaw (7225) to Secretary
Joan M. Etchison (8212) to Secretary
Kathryn H. Wright (7225) to Secretary (Admin. & Tech.)
Patricia L. Mann (8212) to Secretary
Adam Trujillo, Jr. (7232) to Logistics Coord.
Frank Sayner (7232) to Logistics Coord.
Frank C. Rivera, Jr. (7232) to Logistics Coord.
Ned T. Barnes (7232) to Logistics Coord.
Melvin L. Berg (7232) to Property Clerk
Gerald L. Lancaster (7315) to Staff Asst.
Dixie D. Cain (2462) to Ozalid Optr.
Cecil L. Haynes (2154) to Bench & Mach. Optr.
Gordon J. Cummings (2152) to Machinist
Ramon Lamberson (7242) to Order Analyst
James E. McCreight (2711) to Staff Asst.
Ervin W. Wolfe (2711) to Staff Asst.
Jack R. Kidd (4141) to Staff Member
Manuel R. Chavez (2411) to Cleaner
F. B. Arensdorf (2462) to Ozalid Optr.
Kathryn F. Bolen (2531) to Typist Clerk
Dawn E. Gerwin (2231) to Secretarial Steno.
Patsy P. Hunter (4152) to Acctg. Clerk
Joseph G. Brooks (2731) to Investigator
Marjorie A. Newman (31) to Employ. Clerk
Oran D. May (1631) to Staff Asst.
Oliver J. Foster (3122) to Staff Asst.
Richard Sanchez (2711) to Matl. Handler
David L. Chavez (2112) to Matl. Handler
Milton D. Meek (2232) to Matl. Handler
Norman L. Keesling (2153) to Bench & Mach. Optr.
Willie J. McCabe (2551) to Technician
Leonard J. Baker (2711) to Layout Optr.
Maxcene L. Koetter (2442) to Secretarial Typist
Priscilla B. Myers (2525) to Prod. Release Clerk
Flora M. Burch (4131) to Payroll Clerk
Betty B. Sherrad (4135) to Invoice Clerk
David H. Davis (4142) to Schedule Clerk
Lewis G. Sisneros (4153) to Acctg. Clerk
Mildred J. Johnson (5532) to Record Clerk
Kendra L. Atkinson (7225) to Secretarial Typist
Mary J. O'Trimble (7423) to Record Clerk
Charles W. Horvath (7232) to Property Clerk
Doreen L. Westfall (4335) to Travel Clerk
Ralph G. Carmichael (2225) to Prod. Analyst
Jose Chavez (7241) to Property Clerk
T. J. Dawkins (2112) to Stock Analyst
Jacob Sandoval (2133) to Shop Clerk
Wallace A. Hunt (2471) to Stock Analyst
C. L. Gamble (7233) to Utility Optr.
C. Wolfenbarger (1544) to Assembler
Alice L. Brinkley (2160) to Secretary
Flossie G. McCoy (3160) to Secretary
A. Trujillo, Jr. (1455) to Lab. Asst.

WILSON T. BOTNER to supervisor of Wind Tunnel Facilities Section 5142-2, Experimental Aerodynamics Division.



"Ted" has worked at Sandia's wind tunnel since June 1956 when he was hired by the Corporation. He came to Sandia direct from Georgia Institute of Technology where he received a BS degree in Aeronautical Engineering. Ted is a member of Sigma Gamma Tau, aeronautical honorary society.

Previously Ted served 10 years in the Air Force: he flew B-25 strafers in the Pacific during World War II and helicopters in Korea later; three years were at Wright Air Force Base in design and development work, and three years Ted was an aircraft maintenance officer at the Air Rescue Headquarters in Washington, D. C.

RICHARD F. ASHMORE to supervisor of section 1474-3, Escapement Timers and Integrators Division.



"Dick" has been at Sandia three years in field test equipment work. He came to Albuquerque from the University of Wyoming, where he received a BS degree in Mechanical Engineering. Dick is a member of the following honorary societies: Phi Beta Kappa, Sigma Xi and Tau Beta Pi.

Prior to college Dick was a journeyman machinist for six years working for various jobbing shops in Seattle.

He served three and one-half years in the Air Force, most of that time as a mechanic with the Eighth Air Force in England.

GROVER P. HUGHES to supervisor of Section 1282-2, Structural Analysis Division.



Grover has worked in Electrical Systems Department during his five years with Sandia Corporation. Previously he was an assistant professor of Mechanical Engineering for six years at the University of Arkansas and was an instructor for one year in Technical high school in Little Rock.

Grover holds a Master's degree from the University of Arkansas with a major in engineering mechanics, and a BS degree from the University of Oklahoma. While attending school he worked summers for Convoir as an engineering draftsman, and as an associate research engineer for Boeing Aircraft.

During World War II he was an aviation engineering officer in the Navy.

Grover is a registered professional engineer in the state of New Mexico.

W. G. LEVY to supervisor of section 1474-1, Escapement Timers and Integrators Division.



"Turk" has been in the Electromechanical Development Department since he started with Sandia Corporation six years ago.

He served six years in the Navy during World War II then went to Korea where he did fiscal work for two years as a civilian with the U. S. Military Government.

At Louisiana State University Turk received a Bachelor's degree in Electrical Engineering.

Supervisory Appointments

JOHN P. CALLAHAN to supervisor of QAI Section 7326-2, Operations Division B VI.



He started working for Sandia Corporation in October 1955 as a research and development assistant.

Previously John was employed by the AEC in Albuquerque for more than three years as a liaison engineering assistant in the technical direction of inspection programs at sites.

During World War II John served two and one-half years in the Air Force, including one year as a combat pilot in Europe. Immediately afterward he worked seven years for the U. S. Naval Ordnance Plant in Indianapolis, Ind., as an inspector.

Other previous employment included a year as a machinist for a manufacturer of fire control instruments and six years in sales for a paint manufacturer and Crane Co., plumbing supplies.

He graduated from Arsenal Technical High in Indianapolis and attended the University of Alabama for a year.

EDGAR P. CAVE to supervisor of Job Evaluation Section 2511-1, Job Evaluation and Classification Division.



"Ed" started with Sandia six years ago in job evaluation and classification for hourly employees. Since that time he has worked in all areas of activity in Job Evaluation and Classification Division and Wage and Salary Practices Division.

In 1950 he received a BS degree in Business Administration from the University of Oklahoma and he had previously attended Oklahoma City University.

During four years in the Air Force Ed worked principally in control towers.

ALLEN B. CHURCH to supervisor of Section 1265-1, Special Projects Division.



During his three years at Sandia Allen has worked in both electrochemical development and electrical systems organizations.

He came here direct from Stanford University where he obtained a Bachelor's degree in Electrical Engineering. He also attended Colorado State College.

While at Stanford he worked two years in electronics for the plant biology department under a program of the Carnegie Institution of Washington.

While serving two years in the Army Allen went to radar maintenance school at Fort Bliss, Tex.

He is a member of the Institute of Radio Engineers.

JOSEPH F. MCMANUS, JR. to supervisor of the Technical Illustration Section 8114-4, Drafting Division, Livermore Branch.



"Joe," a native of Massachusetts, joined Sandia at the Livermore Branch in March of 1957 and was assigned to the Drafting Division as a Technical Artist. Before moving to California, he worked for General Electric in Lynn, Mass., for six years.

Joe was graduated from the Vesper George School of Art in Boston in 1948.

During World War II he was in the Navy.

WILLIAM C. MYRE to supervisor of Test Project Division II, 5252, Project Department.



During Bill's eight years at Sandia much of the time has been spent in telemetering system design and instrumentation for field testing of missile systems.

He was made a section supervisor in Test Project Division II in November 1953 and resumed that position last September following return from military leave of absence.

Bill served in an Army ordnance outfit for two years beginning September 1955. As a project engineer at White Sands Proving Ground, his Army job was supervisory in nature and directly applicable to his work at Sandia.

He holds a BS degree in Electrical Engineering from Texas A. & M. College and is a member of Tau Beta Pi, engineering honorary, and Phi Kappa Phi, scholastic honorary. Bill also belongs to the Institute of Radio Engineers.

ROBERT D. FLAXBART to manager of Supply and Services Department 2470.



"Flax" has been at Sandia since October 1949, first in the maintenance department office and since February 1950 as supervisor of the Motor Pool Division.

Immediately prior to employment here he was in tire sales for a year with the Oden Motor Company in Albuquerque.

For 10 years previously Flax was in sales and supervisory work for the St. Louis district office of the Goodyear Tire Company. He also worked three years in a clerical capacity for a wholesale tobacco firm in St. Louis.

During World War II Flax served four years as an Air Force administrative officer, attached first to a bomber group in the states and later with a fighter squadron in the South Pacific.

He graduated from high school in St. Louis and also attended St. Louis University.

THEODORE REED to supervisor of section 1472-2, Pressure and Acceleration Switches and Choppers Division.



"Ted" was in data reduction work when he started with Sandia in September 1950. In 1952 after a four month military leave of absence he transferred to systems development. He has been in electromechanical development work for four years.

Prior to employment at Sandia, Ted attended the University of New Mexico where he received his Bachelor's degree in Mechanical Engineering in 1950.

During World War II he served in the Army Air Corps, including two years as a fighter pilot in Europe.

HOWARD D. REED to supervisor of Design Section II, 8131-2, Livermore Branch.



Howard started to work for Sandia in 1952 and was transferred to the Livermore Branch two years ago. He was assigned to 8122-1, Test Section.

He was graduated in 1951 from the University of Denver with a BS in Mechanical Engineering.

During World War II he was in the Air Force for four years.

J. GORDON KING to supervisor of ME Systems Standards Engineering Section 2532-3, ME Systems Division B.



Gordon was originally hired by Sandia in December 1948 and a year and a half later was named section supervisor. He terminated in January 1952 and returned two years later in a non-supervisory position.

During the period away from Sandia Gordon was the technical supervisor of the metal finishing department of Machine Engineering Corporation in Albuquerque.

Prior to 1948 he worked two and a half years as a junior inspector reporting on pilot plants for the General Petroleum Corporation in Vernon, Calif., and was chief chemist for a shorter period for Valley Refining Company in Roswell, N. M.

From 1943 to mid-1944 Gordon worked as a chief draftsman at Fort Sumner and an assistant mechanical engineer at Clovis, N. M., for the Army post engineers.

He received a BS degree in Chemical Engineering at Rose Polytechnic Institute, Terre Haute, Ind. Gordon is a registered professional engineer in New Mexico.

WESLEY A. JOHNSON, JR., to supervisor of Assembly Section 2234-1, Mechanical Assembly Division.



A Corporation employee for seven years, "Wes" has worked in the same division the entire period except for several months in Area II in 1951.

Prior to coming to Albuquerque he operated his own garage in Saginaw, Mich., for four years.

During World War II Wes was in the Marine Corps for three years, part of the time overseas in the Pacific and China doing ordnance work.

He attended Arthur Hill Trade School in Saginaw.

DAN C. HELD to supervisor of Financial and Business Methods Section 8213-1, Livermore Branch.



Dan was employed by Sandia Corporation in November 1951 in the Accounting and Financial Methods organization and later worked in the Cost Accounting group. He was transferred to the Livermore Branch in December 1956, where he has been a Methods Investigator.

He received his BS in Accounting from the University of Tulsa in 1951.

PAUL L. STEWART to supervisor of Tool and Gage Section 8114-3, Drafting Division Livermore Branch.



Before joining Sandia in Albuquerque in 1951, Paul worked five years for General Electric. He transferred to the Livermore Branch in March of this year from Tool and Gage Section 2553-1.

With nearly 30 years experience in his field, he was elected chairman of the American Society of Tool Engineers for 1957-1958. Paul has completed two divisions of an ICS course in tool engineering.



LARGE GROUPS of new employees are processed at the Coronado Club by members of Employee Processing and Reports Section. This group of 35 signed in on June 30. During the past six weeks there have been approximately 400 newcomers to Sandia, including those hired for summer months.



CORONADO CLUB POOL attracts the attention of these new employees: (L to R) Willie Servis of Albuquerque, Leo Brady of Attica, N. Y., I. K. Petersen of Fargo, N. D. and Carl Sisson of Penn Yan, N. Y. All newcomers have an opportunity to join.

Welcome to Sandia Corporation's New Employees

June 23-July 4

Albuquerque

Carolyn S. Panagakis	7323
Nancy C. Daley	5241
Peggy J. Gillman	4135
Gene L. Guerin	2461
Katheryn E. Lawson	5150
Benjamin M. Lucas	7211
William K. Paul	2461
Phyllis M. Pitney	4333
Diane L. Richards	7225
George H. Wilson	2713
Daniel C. Callahan	4335
Lucille J. Few	7225
Jean A. Van Fleet	3152
Evelyn J. Gilchrist	7225
Marion P. Goddard	2224
Sandra A. Sadlon	2525
Herbert A. Hilgers, Jr.	2411
Patricia M. Hiff	4135
Willie M. Whittington	7226
Lenard H. Wilhelm	7411
William J. Crawford	2461
John C. Mitchell, Jr.	5255
Willie D. Servis	7221
Eddy L. Jacobs	1411
Orlinda Medina	2224

California

Judith C. Gehring, Orinda	8122-1
LaWayne E. Janssen, Walnut Creek	8224-1
James B. Wright, Albany	8133-2
Jack P. Hubner, Orinda	8213-2
Paul G. Schmiedeberg, San Francisco	5213

Colorado

Robert L. Hughes, Boulder	5224
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Florida

James M. Berry, Gainesville	5250
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Georgia

William D. Adams, Tallapoosa	5231
Wilson J. Kown, Cartersville	1218
Clarence M. Ehlbert, Jr. Chamblee	1264
Lawton F. Miller, Chamblee	1217
H. Grady Moore, Chamblee	5231

Illinois

Ronald C. Lawwill, Herrin	1463
Lynn A. Fisher, Urbana	1283
John N. Middleton, Champaign	2543
Francis J. Spokas, Urbana	1541

Iowa

James E. Bear, Iowa City	1612
Wallace E. Newman, Oskaloosa	1452
Paul L. Stock, Laurel	2511
Donald K. Holck, Britt	1462
Wendell O. Johnson, Ames	1522
Ronald J. Quayle, Forest City	1463
Rolyn E. Baack, Iowa City	1544

Kansas

Robert E. Martinek, Lawrence	2551
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Kentucky

Joseph G. Teague, Lexington	1470
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Massachusetts

John G. Permatteo, Boston	1451
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Michigan

Bruce F. Coleman, Jr., Bay City	2443
Albury J. Dasher, E. Lansing	1522
William K. Paulus, Grand Rapids	1522
Ralph L. Brown, E. Lansing	5520
John J. Newman, Wolf Point	1413
Harold T. Rhodes, E. Lansing	1470

Minnesota

Keith C. Weir, Owatonna	2510
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Missouri

Charles C. Ward, Kansas City	1455
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Montana

Eddy L. Jacobs, Bozeman	1411
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Nebraska

Dale W. Rockwell, Arlington	1464
Ronald Smith, Lincoln	2542

New Jersey

Stuart V. Asselin, Middletown	1247
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New Mexico

Verna E. Gardiner, Los Alamos	5126
Roland V. Matson, Las Vegas	8122-3

New York

Roger I. Gelder, Hammondport	1247
Harold A. Bennett, Hollis	1262
Carlton E. Sisson, Penn Yan	1282
Martin Snyderman, Jr., Rochester	4141
James L. Todd, Jr., Ithaca	1265
Hamilton H. Mabie, Ithaca	1470
Richard R. Precit, Elmira	1225
Leo F. Brady, Alfred	5231

North Carolina

William J. Byatt, Charlotte	5112
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North Dakota

I. K. Petersen, Fargo	1470
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Ohio

Stanley R. Booker, Columbus	1652
Stanley E. Harrison, Columbus	1626
Lloyd L. Kuck, Vandalia	5212
Robert P. Casper, E. Canton	1265

Oklahoma

Jack L. Smith, Pawnee	7412
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Oregon

Jack D. Foster, Corvallis	8132-1
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Pennsylvania

John L. Monko, Jr., Wilkes-Barre	7412
John A. Smith, Conyngham	7412
Leonard L. Tyahla, Nesquehoning	7412
Joseph T. Sepko, Scranton	7412
Richard B. Harding, Kingston	7412

Rhode Island

Bernard E. La Porte, Wickford	8122-3
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Utah

Don B. Hales, Murray	1462
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Virginia

Stephen C. Reid, Jr., Charlottesville	5230
Andrew G. Carter, Jr., S. Boston	1264

Washington

Bruce M. Johnson, Seattle	8132-1
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West Virginia

William H. Closser, Morgantown	5150
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Wisconsin

Paul J. Spellman, Jr., Madison	1544
William E. Boettcher, Rhinelander	1542

Summer Hires
(Albuquerque unless otherwise noted)

Charles A. Davis, Jr., E. Lansing, Mich.	1611
Henry G. Hermes, Jr., H. Paul Jolly, Jr., Boston, Mass.	5120
John E. Tarpley	1410
Bruce M. Hill, Stanford, Calif.	2542
Kenneth R. Johnson	1592
Robert M. Eastman, Columbia, Mo.	1217
4110	

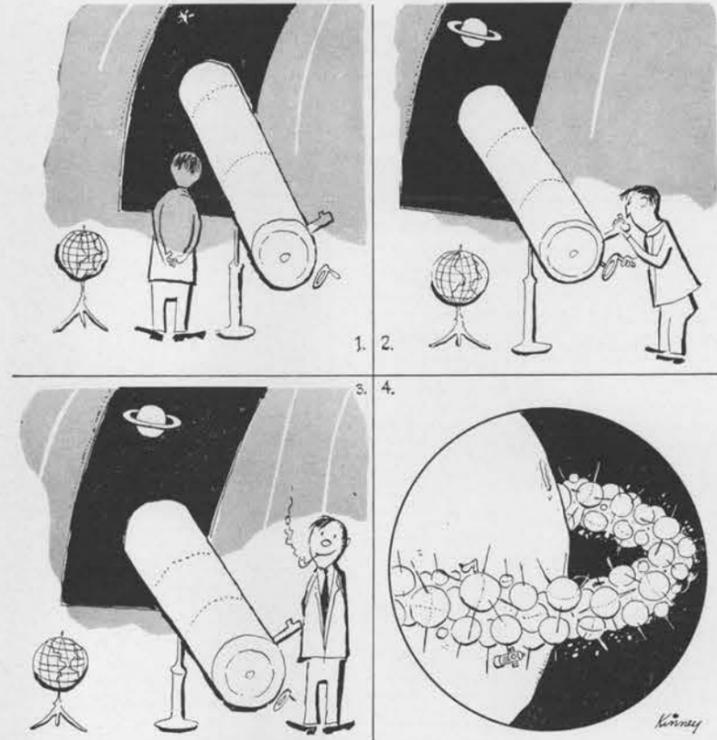
Returned From Leave

Richard D. Jones	5150
Marion A. Lantz	2153

Roy P. Lambert 5521
Lynette Plumlee 3154

Rehired

Edward C. Rightley	5143
Kenneth J. Shumway, Phoenix, Ariz.	2543
Patricia B. Doyle	7225
Patricia M. Snider	7226
Monira H. Green	2543
Joseph A. Abbott	1522
Walter J. Dalby, Idaho Falls, Ida.	1224
Dennis L. Krenz, Champaign, Ill.	1613
Warren S. Roberts, Los Alamos	5112
Loren C. Watkins, Jr.	2551
Luella M. Rice	4142



Sandia Joins in Operation Alert

"Operation Alert 1958," a July 14-18 test of the readiness of the nation to meet nuclear attack, will find Sandia Corporation taking part. The test is being conducted by the Office of Defense Mobilization.

The operation is aimed at improving national readiness, studying preparedness measures and training government personnel in coping with emergency conditions.

Sandia Corporation will simulate manning of an Emergency Corporate Headquarters during the exercise. G. C. McDonald (2530) will be in charge of the Sandia part of the operation and Eugene K. Baker (3243) will be in charge of liaison between the Corporation and the Atomic Energy Commission.

The exercise consists of three phases—Attack, Federal Action and Evaluation. The Attack phase was completed May 6 and 7. Sandia participation will be primarily in the Federal Action phase.

During the alert problems will be presented to Sandia concerning its operation under the simulated attack conditions. Supervisors who will participate in these problems have been notified on the part they are to take.

It will be an "in-place" operation, with only simulated actions. No evacuation is involved.

SHOPPING CENTER

CLASSIFIED ADVERTISING
Deadline: Friday noon prior to week of publication unless changed by holiday.

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

FRIGIDAIRE REFRIGERATOR, approximately 9 1/2 cu. ft. Will freeze one week's meat supply. Zimmerman, AL 6-7226.

'50 STUDEBAKER Champion coupe, R&H, OD, \$115. Christy, 2932 Hermosa Dr. NE.

MATERNITY CLOTHES, summer dresses, slips, sportswear, size 12. Scheiber, AX 9-4743.

3 BR HOUSE, 1 3/4 baths, pitched roof, electric kitchen, fireplace, carpeted, landscaped, sprinklers. Slusser, AX 9-4202.

POWER MOWER, Craftsman, almost new; premier deluxe vacuum sweeper. Ewald, AL 5-7269.

KITCHEN TABLE and four chairs, small, maple, \$25. Bressan, AL 6-5367.

BABY TENDA, electric roaster, cedar chest, set of dishes, hassock, kitchen stools, suitcase, 9 light steel window. Laskey, AM 8-8404, 613 Ortiz SE.

COTTON RUGS, brown 9x12, \$5; grey 9x12, \$5; studio couch with brown slip cover, \$20. Bishop, AX 9-0649.

'50 PLYMOUTH club coupe, R&H, \$100. Playland, AX 9-6741.

'54 CHEVROLET 6 Bel Air, two-tone, four door sedan, new tires, \$995. Abbott, Ext. 26265.

KENMORE AUTOMATIC washer, good condition, \$95. Funk, AL 6-0992.

MGA TONNEAU COVER, cost \$24, sell for \$12; wind wings, TR 3 or MGA, cost \$22, sell for \$11. Doleshal, leave message at CH 7-1035.

DINING ROOM SET, limed oak, table, six chairs, china and linen cabinet, \$150. Shelton, AX 9-4696 after 5 p.m.

STUDIO COUCH, bolster back, \$35. Hesselbarth, AL 6-1720.

'57 CRUISAIRE SCOOTER, Italian make, 4 1/2 hp, 3-speed transmission, buddy seat, windshield, spare tire cost \$375, asking \$269. Graves, DI 4-3008.

'57 FORD FAIRLANE 500, R&H, Fordomatic, w/w tires, padded dash, fufone blue, \$1795. Reeder, AM 8-1903.

CARDFILES, three double sections 3x5 Steelmaster, \$6 each; three 8x10 and two 11x14 picture frames; 1907 .22 col. pistol; three civil war bayonets. Meissen, 232 Utah NE.

IRONRIGHT IRONER, \$125. Fortman, AL 6-4514.

OUTBOARD MOTOR, Elgin, 12 hp, 6 gal. external fuel tank, less than 20 hours running time, \$225. Connolly, Ext. 46146.

NATIONAL FREEZER, 17 cu. ft., assume payments of \$22.33 monthly. Martinez, DI 4-7321 after 5 p.m.

8" ARBOR SAW, motor, planer, jointer mounted on steel stand, Craftsman, \$135. Davis, AM 8-8408.

'53 STUDEBAKER, 4-dr. Champion with OD, averaged 28 mpg on recent trip. Make offer. Pardee, AL 5-1998.

TRANSISTOR RADIO, pocket size, \$20. Williams, AX 9-5777.

STEEL TRAILER, 2 wheel with springs, wood box extension, \$65. Anez, AX 9-6301 after 5:30 p.m.

TRAILER, 2 wheel flatbed 6'x8', priced to sell at \$25. Gadevaia, AM 8-0973.

'52 CHRYSLER Windsor, deluxe 4-dr., R&H, auto. trans., w/w tires, one owner, \$350. 21" TV-radio-phonograph console, \$150. Lucero, AL 5-3558 after 5 p.m.

VW '58 KARMANN GHIA, world's most beautiful small car, low mileage, will trade. Munn, CH 2-2210 after 4 p.m., 1635 Roma NE.

NEXT DEADLINE
FOR SHOPPING CENTER ADS
Friday Noon, July 18

METAL LATHE, 6" Atlas, with motor, chucks, steady rest, collet holder, boring attachment, tool holders, tools, etc. \$150. Taylor, AL 6-3774.

LIVING ROOM suite, modern divan, chair, end tables and lamps, all for \$100. Bathinett, \$5. Gallagher, AL 6-6754.

PLAY GYM, \$15; coffee table, \$10; Dutch highboy, \$25; cedar wardrobe, \$25; metal wagon, \$3; bookcase, \$15; 6 piece maple livingroom suite, \$90. Hittle, AX 9-6863.

'57 LAMBRETTA 150-D, loaded with extras, \$280. Gillespie, 6404 Arvilla NE, AL 5-5834.

MODERN ADOBE house with adjoining 3-rm. apartment, big lot, patio wall, hardwood floors, see at 201 So. 11th St., Belen. Mora, Ext. 22161.

'57 PLYMOUTH Fury, R&H, tint. glass, w/w tires, wheel covers, dual quads. Will trade for older car, pickup or both. Dempsey, Ext. 48185.

'50 DESOTO, 4-dr. custom, \$200. Szyper, DI 4-6982.

COMMUNICATIONS RECEIVER NC-173 with matching speaker, \$115; Franklin 16mm editor, president model, \$35 with case. Chestor, AL 6-2971 after 6 p.m.

'53 STUDEBAKER, 2 dr. Regal sport coupe V-8, red leather interior, 24,000 miles. Fischer, Ext. 23136 evenings, days 2110 Lead SE.

OUTDOOR GYM swing set, \$10; Apex Wash-A-Matic washer, \$35. Lockwood, 941 Madeira SE, AL 5-9296.

.22 S&W, K-22, lined case, 300 rounds, \$65; .25 Walther automatic, 50 rounds, \$28; basinette, \$5. Hedberg, AX 9-6359.

TRUMPET, "Olds" B-flat, originally cost \$129, sacrifice for \$75. Tally, DI 4-4818.

'48 JEEP Station wagon and '50 Jeepster, both economical transportation. Abernathy, AL 5-4386.

SAMOYED PUPPIES, AKC registered. Koetter, AM 8-1009, 1108 Indiana SE.

BRUNSWICK BOWLING ball and bag; new football shoes, size 8 1/2-9; handmower, used one season, Fueger, Ext. 46166.

WINDOW COOLER with pump, stand, \$25. Nielson, AL 5-6497.

CAR COOLER, 6 volt, evaporative type, \$15. Fuller, AL 5-2114, 4924 Idlewilde.

SNOW RESALE, 3 Br., 1 3/4 bath, 26 ft. living room, drapes, carpet, fireplace, double garage. Nieman, 10608 Snow Heights Blvd. NE, AX 9-4659.

ALFALFA, 95 cents per bale. Padilla, AX 9-4043, 8830 North Fourth.

ELECTRIC RANGE, \$85; Viking tape recorder playback preamp, model PB60, \$17; Heath Kit Model WA-P2 HiFi system preamp, \$15. Sinnott, AX 9-1300.

GAS STOVE 36", four burner, \$40. Zahn, 1900 Dakota NE.

WHEEL CHAIR, Hollywood elite, folding type, reasonable. Myer, CH 3-3129.

ELECTROLUX vacuum cleaner, \$35; 12 gauge Winchester shotgun with full choke, \$60 or best offer. Thompson, AX 9-3416.

BUNK BEDS, vanity, chest of drawers, curtains, \$50. Watson, AL 5-9649, 402 Chama NE.

PRESTO TURNABLE, Pickering unipoise, Heathkit SS-1, SS-1B speaker system, W5-M amplifier, WP-2 pre-amplifier; FM tuner, 55 LP records. Wells, AX 9-2508.

HOUSEHOLD FURNISHINGS — piano, freezer, refrigerator, 220-range, gas incinerator, 3 TVs, 24" bicycle, HiFi, power tools, chairs, tables, chests, etc. LeCompte, AL 5-3261.

10" BAND SAW, new, Atlas, \$8" table saw, 13" Jig Saw, 24" Jig Saw, wood shaper. Any reasonable offer considered. Pliner, AL 6-1907.

BABY BED and mattress, \$10; youth bed and mattress, \$20; 1 ton air conditioner, \$175. Mays, AX 9-5602.

HOME WATER pump and tank. DeHaan, DI 4-4805.

WILLIAMSON Ultra-Linear Amplifier, 2 chassis, \$30; Heathkit FM tuner, aligned, \$20; floor-type fan, \$12; Storkline feeding table, \$4. Frenkel, AX 9-3258.

WANTED

TRADE push button car radio with new speaker for what have you? Chavez, AL 5-5461.

HOMES FOR KITTENS, 9 weeks old, several colors, very cute, Heights address. Downs, AX 9-5022.

GIRL'S 24" or 26" used bicycle, reasonable. Lucero, AL 6-6375.

HOUSEKEEPER, full-time, 5-day week, includes caring for year-old baby, adequate salary. Miller, Ext. 34158.

HOMES FOR PUPPIES, mixed toy collie-shepherd, medium size, 12"-14" high when fully grown. Free. Smith, AM 8-1228.

GIVE AWAY duct work, two sections 17"x17", 3 feet long, and one right-angle elbow. Edwards, AX 9-5496, 9100 Woodland Ave. NE.

SOFTTOP for 1958 Corvette. Will trade 4.56 differential (Corvette) for 3.7 or 3.89. Miller, Ext. 37282.

KITTEN LOVERS. Need homes for free kittens, born May 25, mother Persian, daddy ??? Minor, AX 9-2267.

TO RENT one-wheel trailer and hitch for weekend in mid-August. Calek, AX 9-7452 after 6 p.m.

GOOD TRAILER HITCH, will pay reasonable cash price. Reeder, AM 8-1903.

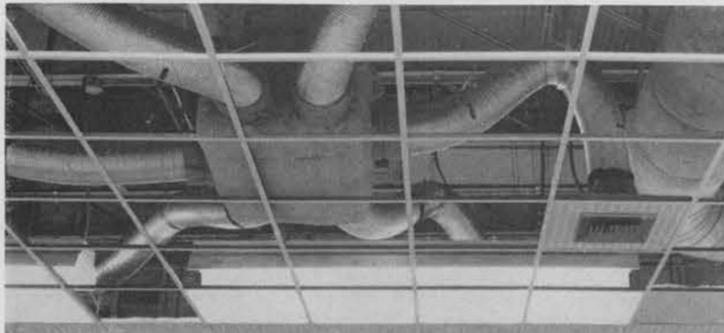
HOMES FOR PUPPIES, free, male and female, mixed breed from collie mother. Biogel, 9516 Euclid NE.

TO TRADE large lot on ditch in NW valley for good '56 or '57 pickup. Vigil, CH 2-2969 after 6 p.m.

FOR RENT

PASTURE for 2 or 3 horses. Gregory, Ext. 44136.

2 BRM HOME, partly furnished, newly decorated inside, ten minutes from Base, \$70 month. Garcia, CH 3-3473.



SPIDER-LIKE, the giant air conditioning ducts above the 705 computer spread out behind a false ceiling. Seven units move 2,000,000 cu. ft. of air hourly to provide constant comfort.

Year-Long Labors

Preparations Near Complete; 705 To Arrive Here July 16

When Sandia Corporation's new computer—the IBM 705 Electronic Data Processing Machine—arrives next week, it will be installed in most unusual quarters in Bldg. 880. Rigid specifications for the physical environment of the big computer gave Plant Engineering Department some knotty problems in air conditioning, heating, electrical facilities and power supplies.

Ingenious solutions by a team of plant engineers assure the 705 a dust-free atmosphere, a relative humidity of between 40 and 60 per cent, constant temperature of 75 degrees and a separate power sub-station free from fluctuations of voltage. The specifications go on and on.

Team Works Year

Mike Kuliasha (2441-1), E. L. Schaefer (2443-1) and Hal Baxter (2443-2) are the Plant Engineers who spent more than a year on the structural design, electrical and mechanical problems respectively of the 705 installation.

Room 160 in the east side of Bldg. 880 was given a false floor 14 inches above the regular floor to accommodate the myriad of cables and electrical connections required for the 705. The raised floor also permits air flow to each unit of the computer. Air is blown through the units to carry off excess heat.

The 4500 feet of raised floor is constructed of four-foot-square panels removable for easy access to the cables and air ducts. The panels are made of 1½ inch thick plywood bonded to a thin metal fire-proofing sheet. The panels rest on a framework of steel girders.

Precision construction assures perfect fitting of the panels and the placement of holes in the panels for cable openings for the 705

units and grilles for the air conditioning ducts.

Ceiling Lowered

The ceiling of the room was lowered—again to give space for the air conditioning and electrical equipment.

Lighting units are installed above flush plastic panels in the false ceiling. The entire ceiling is vented for the free flow of air. Some 2,000,000 cu. ft. of air is pumped through the room every hour.

To cool the 705 computer and provide air conditioning for the room, an absorption type refrigeration machine is used, with a capacity equivalent to producing 60 tons of ice in 24 hours. The unit requires relatively small space and is practically maintenance free.

Much the same as the type of household refrigerator which uses a gas flame to cool, this machine uses live steam for motive power instead of the more common electric motor and freon compressor.

Twenty-nine contract drawings and a book of specifications more than an inch thick were prepared by Plant Engineering prior to asking for bids on construction. Field trips to view other 705 installations were made. Numerous conferences were held with IBM field engineers and with personnel of the Electronic Data Processing Department 4140, the organization that will program and operate the 705 computer.

705 Arrives July 16

Early in the morning of July 16 three huge IBM vans will arrive at Sandia Corporation carrying the units of the computer. Installation and check-out will take about five weeks. Actual operation of the computer will start about August 1, climaxing 18 months of preparation, planning and building.

An electronic marvel, the 705 EDPM will be a new tool useful in many areas of Sandia Corporation activity—research, development, quality assurance and surveillance and data analysis as well as production control and drawing release work.

An early issue of the Sandia Lab News will feature the 705 EDPM with more details on its uses at Sandia.

G. R. Shambaugh, Sandia Retiree, Dies July 1

Funeral services were held last week for George R. Shambaugh, 72, who retired from Sandia Corporation in 1954 after eight years in the atomic weapons program.

His early employment at Sandia had been in the fabrication department. From 1951-54 he was a field inspection representative at a suppliers plant in Los Angeles, Cal.

Survivors include his daughters, Mrs. Varoqua Yoakum (a Corporation employee in division 7221) and Mrs. Jim Colgan of San Francisco, two grandchildren, four great-grandchildren and a brother.



Mr. Shambaugh



NEARING COMPLETION the special 705 computer construction worker. Removable floor panels allow room in Bldg. 880 receives final touches from a access to the electrical connection underneath.



AIR CONDITIONING installation for the 705 EDPM facility is extensive. Vern L. Brockway (2411-2) makes final adjustments on the absorption refrigeration system of the cooling system.

3 Homers by Medearis Help 1200-II Win in One-Sided Contest

Ken Medearis (1282-3), first sacker for the 1200-II softball team, led his teammates to a rousing victory on July 2 by slugging out three homeruns and a single and a walk in five times at bat. The score 1200-II, 30—7400-II 9.

His hitting accounted for 11 runs batted in, while scoring five times himself.

Ken is currently batting at an average of .733, comprised of 11 hits for 15 official at bats.

Caravan Club Members to Provide Communications for Soap Box Derby

Technical talks, transmitter hunts, family outings and a TV station tour are included in the July-October programs of the Caravan Club.

Carl Franz (1471), program chairman, reports that July highlights will be a picnic in the Manzano mountains on the 27th and a talk on amateur mobile antennas to be given by Tom Banks (5252) at the July 23 business meeting.

In addition, members of the

Fortune Smiling on Livermore Teams

The Sandia softball and lobbball teams at Livermore are enjoying winning spurts after slow starts this season.

The softball team, with two games to go in the local recreation district league, now has two wins and four losses. The team won its last game the hard way. Last week it triumphed in a tenth inning fight, 3-2.

The lobbball team, competing in the Radiation Laboratory Recreation Association League, lost its first three games but now is riding a three-game winning streak.

Congratulations

Born to:

Mr. and Mrs. Glenn R. Norris (1225) a daughter, Nancy Lynne, on June 23.

Mr. and Mrs. Ben Marquez (5522-2) a daughter, Theresa Elaine, on June 16.

Mr. and Mrs. Bert Anderson (5216) a daughter, Patricia Lynn, on June 20.

Mr. and Mrs. E. "Jack" Kaemper a daughter on June 29. Carol is on leave from 3153-1.

Mr. and Mrs. Samuel Blaylock (2473) a daughter, Cynthia Theresa, on June 23.

Mr. and Mrs. Roy Dunlap (2462-3) a daughter, Tracey Lynn, on June 17.

Mr. and Mrs. Delfred Olson (1264-1) a son, Larry Delfred, on June 20.

Mr. and Mrs. Pat J. Gadevaia (5242) a daughter, Maria Grace.

Mr. and Mrs. Jack Scheerer (7411) a daughter, Elizabeth Ann, on June 24.

Mr. and Mrs. Pueblo Garcia (2722) a son, Vernal, on June 22.

Mr. and Mrs. W. B. Vander-molen (8122) a son, Marty Keith, on June 26.

Mr. and Mrs. Reynaldo Gonzales (2223) a daughter on June 27.

Mr. and Mrs. Glen Oberst (1456) a son, Mark Edward, on June 29.

Mr. and Mrs. Bill Bredow (1451-2) a daughter, Vikki Genese, on June 21.

Mr. and Mrs. Joe Leon Armijo (2722) a daughter, Leona Theresa, on June 30.

Mr. and Mrs. R. T. West (1215) a son, James Lee, on June 30.

Peace, Sweet Peace

Albuquerque seems quiet to F. A. Leckman (7424) after being surrounded by 17,000 scouts from 33 states. He recently attended the National Boy Scout Conference held at Philmont National Boy Scout Camp near Cimarron, N. M.

Get Wells

Mabel Henry (7225-5) is convalescing at home after major surgery.

Wishes for a speedy recovery are extended to Rosemary Morissey (2713), who has been hospitalized several weeks.

2460 Dances

Members of organization 2460 held their annual dinner-dance in late June at the Coronado Club with nearly 200 employees and their guests in attendance.

Fiesta Queen

Mary Lou Milligan (3153) is reigning this week-end as queen of the Holy Family Parish annual summer fiesta.

Sympathy

To Evys (1592) and Wallace Warren (4332-1) for the death of Mr. Warren's father June 18 in Albuquerque.

Where to Go? What to Do? Here's Answer

The decision of "where to go and what to do" in Albuquerque in the summer is aided by the University of New Mexico's summer session program. The coming two weeks entertainment on campus will include:

"Lectures Under the Stars": July 14, Dr. Rodolfo Cardona, "Literature and Painting"; July 21, Dr. Albert Morris, "The Nature of Crime and Criminals." The talks are presented in front of the administration building at 8 p.m. and are free.

"Summer Fare Program": July 15, "Sweet Adelines," a women's barbershop singing group; July 18, Prof. Walter Robert, internationally known Viennese pianist; July 22, the Rev. Jack Mendelsohn, "America's Role in the Middle East." These programs also begin at 8 p.m. and are free.

"Summer Theatre": "Personal Appearance," July 11, 12 and 13 and again July 18, 19 and 20. Tickets may be obtained at Rodey Theatre where the plays are presented.

"Film Society": July 12, "Grand Hotel"; July 19, "The Louisiana Story." The classic American or foreign films are shown twice at 7 and 9 p.m. in room 101, Mitchell Hall. Tickets are sold at the door.