





R. L. Helmreich

Hospital Plan Members to Consider Benefit Increase

-New Members of Sandia's Board of Directors-

Letters will be sent to participants in the Group Hospitalization and Surgical Benefit Plan next week, giving them the opportunity of expressing their desires in regard to possible changes in the Plan.

The following three choices will be offered to members: 1-Continue the plan in its present form; 2-Adopt a modified plan with higher premiums and correspondingly greater benefits; 3-Adopt a new comprehensive Health Care

Members of the Sandia Insurance committee have studied the claims experience of the existing plan since the \$35-deductible provision went into effect last May. The review shows the plan is now on a sound financial basis and could be continued at the present monthly rates of \$2.16 and \$7.77 for single and family-type cov-

The Modified Plan, with higher premiums and greater benefits,

High Honors Go to Sandia Corporation For Fire Prevention

Sandia Fire Prevention Week activities of 1956 earned Corporation thirteenth place in a contest sponsored by the National Fire Protection Association. Entries numbered 73 industrial organizations in Sandia's category. Sandia received the same award in 1955 with 102 entries in the competition.

Drills, demonstrations, displays and inspections were part of the Fire Prevention Week program at Sandia Corporation conducted by the Inspection Division, Plant

Lee Hower of ACF Speaks to Local AWS Membership

The American Welding Society will meet Thursday, Feb. 14, at 8 p.m. in the Civil Engineering Building, University of New Mexico, Vince Nelson, 1624-4, reports.

Lee Hower, ACF Industries, Albuquerque, will discuss "Welding Cost Control and Planning."

would retain the same \$35-deductible feature but daily room benefit would be upped to \$12 instead of \$8.

Other hospital charges would be paid in full up to \$240 (the existing plan pays up to \$160) and 75 per cent of all charges in excess of \$240 would be paid with no dollar limitation.

Maximum surgical benefits would be increased to \$300 as compared to \$250 provided in the present plan. Limited Coverage for retired employees would be added, to include any Sandia Corporation employees already retired who wish to join. Monthly rates would be \$2.94 and \$10.20 for single and family-type coverage.

The Comprehensive Health Care Plan is a third choice to be included.

This plan would pay 80 per cent of all conceivable medical expenses after \$35-deductible is accumulated for each insured person per calendar year. This includes cold shots, prescriptions, doctor's calls at home, doctor's office or hospital calls and all medical services including drugs, serums, oxygen, blood, plasma, special nurses, Xrays and laboratory tests in or out of the hospital.

All surgery costs would be included as would assistant surgeon and consultant fees. These benefits would be paid to a lifetime limit of \$10,000 for each insured person. This limit may be reinstated after \$1,000 has been received under the plan, upon evidence of insurability by a physical examination.

Limited coverage for retired employees would be added to include any Sandia Corporation employees already retired who wish to join.

There would be no limit on room charge benefits for a semi-private room, however, there would be a \$12 per day maximum allowance for a private room. The only exclusions would be routine physicals, eve refractions and glasses, dental work (except for accidents). aids and except for local ambulance service.

Monthly rates would be \$4.25 and \$12.95 for single and familytype coverage.

Members will be asked to name their first and second choices when they indicate the plan of their preference.

Board of Directors Meet at Sandia Feb. 20

The Board of Directors of Sandia Corporation will hold their annual meeting here this month. Plans are for the group to arrive a day or two ahead of the February 20 board meeting to introduce two new members and to review activities and progress in various prorams.

Visiting Sandia for the first time as members of the Board will be P. A. Gorman and R. L. Helmreich. Mr. Gorman is Vice President - Manufacturing, Western Electric Company and Mr. Helmreich is Vice President and General Manager of Bell Telephone Laboratories.

Mr. Gorman began his career

in 1929 with the Bell System. starting as an accounting clerk at Hawthorne Works, Chicago. After a succession of promotions to positions of increasing responsibility he became personnel director of Western Electric Company and later assistant Vice President in charge of personnel relations for A.T.&T.

Mr. Helmreich started work in the Bell System in 1928 with Southwestern Bell Telephone Company as student engineer in Kansas City. In 1949 Mr. Helmreich moved to the General Department of the American Telephone and Telegraph Company in New York.

He later served with the Moun-

tain States Telephone and Telegraph Company in Denver. In 1953 he returned to New York with A.T. & T. and on Nov. 1, 1956, he became Vice President and General Manager and a director of the Bell Telephone Laboratories.

Other members of the Board of Directors are: A. B. Goetze, President of Western Electric Company; F. R. Lack, Vice President-Radio Division, W.E.: Brown, Vice President and General Counsel, W.E.; M. J. Kelly, President, Bell Telephone Laboratories; J. W. McRae, President, Sandia Corporation; and M. H. Howarth, Vice President and General Manager, Sandia Corporation.

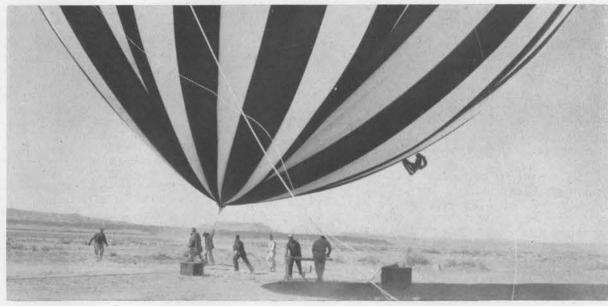


published every other friday for the employees of sandia corporation, contractor to the atomic energy commission

Vol. 9, No. 3

Albuquerque, New Mexico

February 8, 1957



NUCLEAR DEVICE CARRIERS? Pictured here is an early experiment conducted by Sandia Corporation in the handling of captive balloons. Further

tests are now being conducted at the Nevada Test Site to determine feasibility of using the balloons as detonation platforms in the forthcoming tests.

Sandia Tests Balloons As **Nuclear Detonation Platforms**

The real reason for Sandia Corporation's extensive experiments with captive balloons has been revealed by the AEC. During the past two years tests have been conducted by Sandians to determine whether balloons could be used as detonation platforms in Nevada nuclear tests.

Some of Sandia's tests took place near Los Lunas, N. Mex., in February of 1956, under the direction of the Corporation's Full Scale Test Development, 5230. At that time it was announced that they were similar to tests conducted in 1954 under the direction of James Scott, A. Dean Thornbrough, H. G. Larsen and Ed Wood, all of the Field Test or-

ganization, at an abandoned flying field north of Albuquerque.

Flown at Fair

A balloon flown by Sandians as an exhibit at the New Mexico State Fair last fall was the type used in the earlier tests.

If further experiments now underway at Nevada Test Site verify earlier findings, balloons anchored by four strong steel cables will be used at heights of from hundred feet to about 2000 feet to support nuclear devices during Operation Plumbbob.

The use of balloons will reduce the amount of radiation fallout in the nearby test site and onsite by raising the devices far enough above the desert floor to minimize

the amount of dirt sucked up into the mushroom cloud after the burst.

The field tests now underway are designed to determine the adequacy of safety controls, handling procedures and stability.

Safety Devices

The earlier tests have provided assurance that rigging has been devised which will make it possible to lower the balloon quickly whenever necessary, as when high winds develop. As an emergency measure the balloons are equipped with a device which can deflate the bag quickly by burning out the top of the nylon shroud.

Because a balloon moves somewhat even in slight winds, recording devices such as cameras are being redesigned to obtain adequate scientific data during balloon-borne nuclear tests. Instrument recordings will be carried by cable to underground installations.

Nuclear tests previously conducted at the Nevada Test Site have been air drops, tower shots, and surface and underground de-

Balloons would be used for tests not requiring the extensive instrumentation for which towers are necessary. The towers used so far in Nevada tests were 500 feet tall or less. To build them higher would be costly and time-consuming.

Balloons will be able to raise the devices several times that high at moderate cost.

G. A. Fowler. Vice President-Research, 5000, talked on "A Balanced Diet for the Technical Man" at a recent meeting of the Albuquerque Area Chapter of the American Institute of Industrial Engineers, Presented here, in summary form, are his com-

Physical health is determined by the effect of many different elements in the diet. The diet of the technical man must include a proper balance of many elements in order that he continue

his professional growth and maintain his technical health.

The first major element is salary. The market value of the profession technical man's services has been increasing steadily in recent years due to the increased demands of technology and the limited supply of professional engineers and scientists.

In this situation the professional man finds the need of periodic soul-searching to weigh the salary offers and the potentialities of other companies against the loss of the investment he has

made in his present job in the form of years of experience and future possibilities

For the employer it means assessing the market and keeping his salary structure and other compensations in line so that his personnel turnover is not excessive. At the same time he must meet his obligations for the proper management of business.

Salary and other compensations such as vacation, sick leave, retirement plans, group insurance, educational aids, etc., that are competitive to the market can provide the compensation element

necessary to the health of the technical man.

However, the employer must be careful under the pressure of the present circumstances not to be misled into the belief that this is the main element in the balanced diet.

An adequate and fairly administered compensation plan is necessary but not sufficient by itself.

Opportunity for professional growth is the second important element in the diet of the professional technical man. A job which

(Continued on Page Four)



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

Photography by Photographic and Reproduction Division

Friday noon of week prior to publication

Telephones Sandia Base 6-4411 Ext. 25253, 26135

NATIONAL ENGINEERS' WEEK

Office: Room 10, Bldg. 829, Employee Services

Cherry Fellner, Don Graham, Assistant Editors Robert S. Gillespie, Editor

Engineers' Week Feb. 17-23

America will honor its engineers during the week of Feb. 17-23 with the seventh annual observance of National Engineers

Week. The theme of this week, which will be celebrated in industries and schools across the country, will be "Engineering-America's Greatest Resource

In the past few decades the engineering sciences have brought our civilization to the threshhold of a new and exciting age which will go far beyond the wildest dreams of the past. Yet, although we owe so much to our engineers, their numbers are limited and there is great need for many more in all fields.

The observance of National ENGINEERING... America's Great Resource Engineers Week, which has been proclaimed by the President of the United States, by state governors and mayors of cities throughout the country, may stimulate more young people to enter engineering careers. To that extent we will all benefit indirectly in years to come.

National Engineers Week was first observed in 1951 and always falls the week of George Washington's Birthday in recognition that our first president was himself a noted engineer. Along with his great accomplishments as a soldier and statesman, Washington was a land surveyor, a builder of roads and fortifications and a fellow believer in technical progress. It is fitting that our country, which has been made great by the genius of its engineers, should have been fathered by an engineer.

Irving Wants Whoooooo?

Every now and then some strange items turn up in the Lab News' Shopping Center. In the last issue Irving M. Kodel, 2551, ran a want ad for a stuffed owl, but he forgot to tell his wife about it.

When the telephone rang and someone asked Mrs. Kodel "Whooooo wants an owl?" she thought it was a gag and hung up.

Irving is trying again—this time his wife knows he wants the stuffed owl to use as a decoy in hunting crows.

Attends AEC Symposium

William B. Leslie, 5524-1, is in Chicago for the AEC-sponsored symposium on "Modern Approaches to Isotopic Analysis of Uranium" which started Feb. 5.

Dr. Leslie came to Sandia Corporation in 1951 from the AEC's Oak Ridge National Laboratory.

Christmas in January

The goal of organization 5530 to see their Christmas "adopted" family through the winter is showing results. In late January representatives of the Sandia group took the family of 11 money and food as well as eight boxes of clothing, a box of shoes, a tricycle and two hobby horses for the children.

Wedding Anniversaries

E. R. Wood, 21313, and his wife, Ellen, 2113-2, will celebrate their 14th wedding anniversary next Wednesday.

Mr. and Mrs. R. G. Hamilton celebrated their 18th wedding anniversary on Jan. 23. Bob is with

Named to Chamber Posts

The Albuquerque Chamber of Commerce has appointed Max Howarth, Sandia's Vice President and General Manager, to two po-

He will serve as chairman of the Education Committee and will be director at large for the Chamber's Board of Directors.

Polaroid Star Gazing

Heavenly stars have replaced the TV variety for Bob Leslie, 7122-1. He has been interested in astronomy for three or four years and recently completed a course in astronomy at the University of New Mexico.

Now Bob has built a four-inch Newtonian reflector telescope and has taken several pictures of the moon and planets using a polaroid camera.

5524 Party

Personnel of Division 5524 recently held a party at the home of Howard R. Shelton, 5524-1, at 2603 Gen. Chenault.

Photographers Organize

The Society of Photographic Instrumentation Engineers will hold an organizational meeting Monday, Feb. 11 at 7:30 p.m. at Odlum Hall, Lovelace Foundation.

Irvin W. Lenz, 5221, said that the purpose of this association is the exchange of information and advancement of knowledge of the science of photographic and optical instrumentation and its appli-

Officers will be elected during the organizational meeting.



APPROPRIATE VALENTINE—Jerry Wade, 7421, suggests offering Valentine greetings by mailing a contribution to the 1957 Heart Fund. The campaign of the Heart Association will continue through Feb. 28. Address contributions to Heart, Sam Sugg, First National Bank, Albuquerque, Funds will be used for treatment and research.

Sandianotes . . .

National Council of Photographers Honors Sandia's Mike Michnovicz

Election of John J. Michnovicz, supervisor of Sandia's Photo and Reproduction Division, to the National Council of the Photographers' Association of America has been announced by the group's president.

"Mike" will serve during 1957 and will be a delegate to the association's international convention in Washington, D.C., this spring.

The Council is the governing body of the professional photographers' group and includes representatives from each state.

Fireplace Blues

Fireplaces have lost their appeal to one Sandian and his fam-

Jennings C. Conant, 7311-2, asked his son to lay a fire in the fireplace the other morning after he and his wife had left for work. The only trouble was the damper was shut. After everyone was gone the wood began to smoulder.

By the time a neighbor smelled the smoke and called the fire department the smoke had caused extensive damage to the Conant's home at 4716 Haines, N.E.

Speaks to Library Ass'n

H. W. Maglidt, department manager of 7220, recently addressed the Albuquerque Library Association on "Library Assistant in a new Field of Science-Operations Research." He was introduced by Charles W. Sargent,

Arrangements for the speaker were made through Ruth Farley, 7221-2, who is president of the local association.

Heart Fund Dance

Two Sandians are serving as cochairmen for the Heights 20-30 Club's annual heart fund dance to be held tonight at the Hilton hotel.

H. A. "Blitz" Krieger and Al Fine, both of 1261, are handling ticket distribution.

Three-Time Winner
Mrs. Wallace Mitcham, whose husband is in 2411, received her third award from the National Safety Council for a "Safety Saying" submitted in a recent con-

In the same contest Rosemary Teasdale, 7121-1, was also awarded a prize.



CONGRATULATIONS FROM CO-WORKERS were offered the former Florence Bemis upon the occasion of her marriage recently to Jerry T. Hall of Albuquerque. Members of 2440 presented the bride with a wedding gift and cake during a coffee break. The bridegroom is already in Tokyo where he will be stationed with the Navy for two years. Florence will continue working at Sandia until she can join him. L. to R. A. J. Sweede 2443 and Don D. Knott 2443 offer their best wishes to Florence, 2442, during the party.

Congratulations

Mr. and Mrs. James Allensworth, 5442, a daughter, Beverly Ann, on Jan. 15.

Mr. and Mrs. Herman B. Goldenberg, 5522, a daughter, May, on Jan. 22.

Mr. and Mrs. Fred T. Hansen, 2532-2, a son, Brian L., on Jan.

daughter, Janet Elizabeth, on Jan. 23. Roberta Easley is on leave from 7225-5.

Mr. and Mrs. John Easley a

Mr. and Mrs. Bill Rosebeary. 7111-1, a son, R.ckey Robert, on Jan. 11.

Mr. and Mrs. Gabriel Chavez, 2232, a son, Daniel, on Jan. 22.

Mr. and Mrs. Melvin T. Mattison, 5511-2, a son, Frank Griffin, on Jan. 7.

Mr. and Mrs. Thomas K. Hill, 5513-1, a daughter, Cynthia Anne, on Jan. 5.

Mr. and Mrs. Ralph R. Davies, 2553-4, a daughter, Barbara Ann, on Jan. 25.

Mr. and Mrs. Frank Hillenbrand, a daughter, Susan, on Jan. 28. Frank is with the AEC at Manzano and Betty is on leave from 5126.

Mr. and Mrs. Bob Bailey, 5532-3, a son, David Allen, on Jan. 21.

Mr. and Mrs. W. E. Boyes, 2710, a daughter, Margaret Anne, on Feb. 2.

Mr. and Mrs. R. F. Rust, 1263-1, a daughter on Jan. 31.

ENGAGEMENT

Mr. and Mrs. Eddie J. Burch of Albuquerque announce the engagement of their daughter, Lu-

cille, to Charles Salazar, also of Albuquerque.

The couple plans to be married Saturday, Feb. 16, at the Immaculate Conception



Lucille has worked in 5532-3 for a year and a half. They plan to make their home in Albuquerque after a honeymoon in Las Vegas,

SYMPATHY

To Lloyd Kelton, 2417, for the death of his mother in Albuquerque on Jan. 14.

To Grace Harrington, 2462-2, for the death of her husband in Albuquerque on Jan. 17.

To Freddie Martinez, 4152, for the death of his mother on Jan.

Sally F. Cole Dies Suddenly Jan. 24

Sally F. Cole, a Corporation employee since Oct., 1953, died sud-



Miss Cole

denly Jan. 24 in her Albuquerque apartment. Miss Cole was

27. She was a service clerk in organiza tion 2121. Survivors in-

clude her parents, Mr. and Mrs. Paul C.

Cole of Methuen, Mass., and two brothers, both of North Syracuse, N. Y.

The body was sent to Methuen for burial.



Shutterbugs Welcome

Shutterbugs are invited to attend the regular meetings of the Enchanted Lens Club. The group now has a permanent clubroom in the "Indian Building" at the State Fairgrounds. Darkroom facilities are available in the building's basement.

A special course for beginning camera fans will start this month.

The next meeting will be Thursday, Feb. 21 at 7:30 p.m. Sandlans may obtain further information from LeRoy Hassebroek, 7311, ext. 71230.

To Visit Chaco Canyon

An overnight journey to Chaco Canyon National Monument is scheduled for the New Mexico Mountain Club Feb. 9-10. Tom Van Zandt, 5511, will lead the expedition to the ruins of 13 pre-Columbian pueblos north of Gal-

A general meeting of the Club is scheduled Feb. 19 at 8 p.m. in the Radiation Therapy Lab at Lovelace Clinic. Canadian ski movies will be part of the program with Hank Tendall, 1215, demonstrating first aid for skiers.

Sick List

Howard Buvens, 7311-2, is still hospitalized at St. Joseph's where he has been since Christmas morning. Howard has been with the Corporation since Nov., 1949. Get well wishes are extended

to Dorothy Bair, 4131-4, who is recovering from minor surgery.

Kay Wilson and Mary Flanagan have recently returned to work in 2711 after illness.

Organization 7121-1 has two workers currently on the sick list. Dorothy Lucas pulled a ligament in her foot and is recuperating at home. Raydean Beam has been convalescing at his home for some time.

Back on the job after extended illnesses are Elsie Willis and Nancy Barela, both of 7121-1.

New Home Owners

New homeowners are bursting out all over organization 2711. Bonifacio Lopez and his family have just moved into a new home at 9609 Mather, N.E. and Paul Scates, 2711, and Ruth Scates, 5512, now live at 1421 Katie, N.E.

The Robertsons will be moving into a new home at 2708 Palomas Dr., N.E. next week-end. Bill works in 1265 and Frances is in 5125.

Don Rauch, 5532-1, and his wife Pearl, 2131, have moved into a new custom built home at 1525 Dartmouth Dr., N.E.

Bill Richardson, 7221-2, his wife and small son spent a recent week-end moving into their new home at 2928 Dakota, N.E.

SPEBQSA Director

The Albuquerque chapter of the SPEBQSA, Inc. has appointed Craig Summers, 2222, as chorus director. In case you wonder, that's the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America, Inc.

Craig will fill the vacancy left by the resignation of Don Aycock, 4111, who is devoting his singing talents to being the "lead" in the Lads of Enchantment, international medalist quartet.

Craig has studied under Fred Waring, has directed the University of New Mexico chorus, and sang with the Sandialiers.

Sunny Side Up

Packaging and handling of delicate instruments is an art, and Sandia Corporation is a leader in that field. Recently Carl J. Baumgartner, Manager of the Receiving and Reclamation Department, discovered that not all our buisness associates have such confidence in us. He found one crate coming to Sandia bearing the stenciled advice: "Keep your cotton picking hands ON this and don't drop

Employment People Note

Sandia Corporation should have no trouble recruiting the Joseph twins about 20 years from now. Kevin Paul and Eric David were born Dec. 17 to Walter Joseph, 1222, and his wife Audrey, formerly of 7225. To complete the family roll Walter's father, Louis, works in 7231-1.

Ski Enthusiast Travels

Nancy Bercaw, 5513-4, is probably one of the most consistent winter vacationists. Last month marked the 11th consecutive year she has flown to Alta, Utah, for two weeks of January skiing with her brother from Illinois.

However, she threatens to break the habit next year and go to Switzerland instead.

Seeks Phi Kappa Sigma Alumni

Alumni of Phi Kappa Sigma social fraternity are invited to get in touch with Val Hoffman, 1621, ext. 52155. Plans are being made for the annual Valentine's Day dinner for the alumni group and all Phi Kaps in the Albuquerque area are invited.

This year the event will be held at the Sandia Base Officers Club.

"Non Compos Compass"

A rash of adventure stories of private pilots at Sandia is suddenly appearing. Maurice V. Gowdey, 7123-2, had the story of one of his misadventures accepted for publication in the national magazine "Flying."

It will appear in the regular column "I Learned About Flying from That." "Maury" says he did,

He and Vic Osterby, 7411, were flying a Piper Tri-Pacer from Safford, Ariz. to Albuquerque. They thought they were over the Mogollon Mountains heading northward toward Datil when a fairlylarge town appeared below them. The town's water tank convinced them they were flying southward over Deming, 130 miles from Datil.

They revised their course and followed the Rio Grande northward to Albuquerque.

Skiers Dance Too

Skiing enthusiasts at Sandia are invited to the next meeting of the Albuquerque Ski Club, Tues., Feb. 12 at 8 p.m. at the Hilton Hotel.

Club President Dick Kavet, 2552-3, promises two ski movies in color and lots of planning for the winter ski ball scheduled for March 9.

Visit Sandia Technical Areas its closely guarded technical area

gates Monday to admit some 80 high school science students and teachers from the Albuquerque area. The escorted tour will take the visitors to the main technical area and Area III.

This tour by science students has been arranged in cooperation with the Atomic Energy Commission to stimulate interest of

Two-Part Program Offered by ASQC At Feb. 18 Meeting

A two-part program is set for the Albuquerque Section of the American Society for Quality Control meeting Monday, Feb. 18. G. J. Lombardi, 5511, will continue a review of a technical paper on "Fundamentals of Analysis of Variance" for the educational session beginning at 7:30 p.m.

Clarence R. Burdick, Quality Control Manager, Houdaille Industries, Detroit, Mich., will be the featured speaker at the general meeting at 8:15. Mr. Burdick will discuss "Quality Control as Used in Manufacturing Opera-

Valparaiso Tech Alumni Elect Snyder President

Luke Snyder, 5223, was elected president at a recent meeting of the Delta Chapter of the Valparaiso Technical Institute Alumni Association. Robert Lindsey, 1455, was elected secretary-treasurer. Membership in the organization totals 26, the majority being Sandia Corporation employees.

Friday, Feb. 15, is the next meeting date of the organization. It will be held at 7:30 p.m. at 8512 Summers St. NE.

AEC Dormitories on Sandia Base Fill Up Following Improvements

Both the Men's and Women's Dormitories are filled to capacity, J. E. Davidson, Base Housing Section, 3122-2, reports. Increased hiring and improvements in the housing facilities created the demand for the 48 rooms in the Women's and 49 rooms in the Men's dorm.

During the past year both dormitory buildings have had carpeting installed in all rooms, new maple furniture added, additional cabinets, innerspring mattresses, coin operated washing machines and dryers, and television sets installed in the upstairs lounges.

F STREET T-818 831 T-825 T-833 T-T-830 T-824 835 802 PARKING H STREET PARKING AREA CREDIT UNION T-615 BUILDING

LOCATION of the Sandia Laboratory Federal Credit Union is marked on this map for the convenience of employees confused by the Credit Union's recent move. Extension of the Credit Union is 26151.

young people in science education and careers. Precautions will be taken to guard against security violations.

Science Students, Faculty to

The date of the event was set to coincide with the anniversary of Thomas Alva Edison's birth.

The program will begin at 12:30 p.m. in conference room B-2, Bldg. 802, where S. C. Hight, Director of Research, 5100, will make introductory remarks. He will ex-

'American Engineer' Film Scheduled for Sandia Showing

A 30-minute movie in color titled "The American Engineer" will be shown during the noon hour Feb. 18, 19 and 21 in room B 4-6 of building 802.

The film is of interest to persons other than those in research and development work and shows the changing ways of life and new social vistas opened up by progress in engineering.

The movie has been scheduled at this time in observance of National Engineers Week.

Welcome

Newcomers

Jan. 21 thr
From Albuquerque
M. Jane Books
Norma L. Bright
Roland H. Carlson
Manuel R. Chavez
Eleanor A. Drozd
Juan D. Espinoza
Delmar R. Giles
Jack C. Grape
Kent C. Humpherys
Howard R. Lafond
Golden E. Lane
Betty J. Mavis
Patricia A. McNamara
Virginia J. Miller
Dorothy L. Newton
Jose M. Romero
Jim F. Sanchez
Christian F. Schroeder,
Christian F. Schroeder, Jan. 21 through Feb. 1 Lillie M. Sanchez
Christian F. Schroeder, Jr.
Stuart H. Schwebel
Naomi J. Skaggs
Hallie G. Tankersley
Anna H. Ulibarri
Barbara M. Vanderberg
Ruth M. Vogt
Margaret M. Watkins
California
Kenneth A. Bixler of Ventura
Indiana
Raymond Shroka of Crown Po .5241 Raymond Shroka of Crown Point Gilbert P. Day of Sioux City2713 es H. Jones of Baltimore2713 James H. Jones of Baltimore
New Mexico
Marvin L. Coon of Roswell
Pasquale Gadeaia of Los Alamos
New York
Iben Browning of Tonawanda
Ohio
Donald A, Scranton of Cleveland
Oklahoma .5133 1453

Caravan Club Meets

Glen C. Oberst of Stillwater Rhode Island Graham H. Luhn of Providence Wisconsin

Wisconsin
Albert E. Eno of Kenosha ...
New at Livermore
Phyllis D. Martin
George W. Perkins
Chandler C. Smith
Donald R. Wheaton

Two meetings in the next two weeks are scheduled for the Amateur Radio Caravan Club of New Mexico, Keith Nelson, 1442, secretary, reports. Wednesday, Feb. 13, the Club will tour the Albuquerque Police Department headquarters starting at 8 p.m.

Wednesday, Feb. 20, is the date set for the Club's crystal frequency check. Members will meet on the air at 7:30 p.m.

Reed Tells Students Why Airplanes Fly

Teenagers interested in science are going to get some firsthand information from Sandia Corpor-

James F. Reed, 5144, has been invited to speak before the Woodrow Wilson Junior High School Science Club on Friday, Feb. 15. Students were asked what phase of science interested them the most. The majority wanted to know "what makes an airplane fly?" so, the talk will be titled "The Science of Aerodynamics."

The science club will also have a showing today of the film "Operation Ivy," use of which was arranged through the AEC-ALO Office of Information.

plain the Corporation's job in the atomic weapons program and also give a brief description of the facilities to be visited.

At 1 p.m. the group will leave the conference room to start on the tour. In Bldg. 802 they will be shown a typical electronics laboratory, play a mathematical game on the electronic computer, watch a blast wave predictor in operation and observe other equipment. In Area III they will see the rocket sled, hydraulic centrifuge and drop tower. At the conclusion of the tour the group will assemble in the Coronado Club for a brief question and answer period. The closing session will be moderated by G. A. Fowler, Vice President, Research 5000, and Mr. Hight.

Selected students from all of the city's public, private and parochial high schools have been invited to attend the tour, along with several science teachers.

Acting as guides for the group on the tour will be Joe Calek, Bill Sturgis and Tom Muzzey, 3124; Gene Abbott, R. E. Scharpen, V. O. Henning, J. L. Wheeler, 3152, and D. B. Hill, 3154.

Explaining the functions of the facilities to be visited will be S. C. Hight 5100; M. L. Merritt 5110; Carl Ball 5120; J. W. Reed 5111; Jack Shoup 1413; G. L. Krieger 1413; P. Syroid 1613; M. O. Jones 1613, and D. C. Williams 5131.

R. D. Flaxbart, supervisor of the Motor Pool Division, 2417, is providing four buses to transport the group on the tour, and C. A. "Buck" Weaver, supervisor of the Patrol Division, Plant Security Department, arranged for guard escorts for the group.

Coordinating all tour activities are Richard A. Dickson of the Public Relations Division, 3125, and Joe Calek of the General Training and Education Division,

Photographic coverage of the event will be provided by the Photography Section, 2462-1, under the direction of W. F. Boyes.

Service Awards Five Year Pins

M. F. Bernhard 5242, Peter A. Peshlakai 2112, Goebel C. Renfro, 2353, Ramon C. Gar-cia 2223, Pedro Cordova 2419, Edward W. Shepherd 7214, Paul Robertson, Jr. 7314, Rob-ert A. Milby 1281, John E. Marquis 7412, Ralph E. McClure 2111.

E. McClure 2111.
Charles T. Wormeli 2111, Maurice E. Grant 2151, Nathan Knapp 2353, Monico Martinez 2414, Ann E. McIntyre 5131, Jose A. Armijo 2414, Viola N. Barela 7225, Jo Ann Urevitch 2230, Joe M. Benevidez, 2332.
Ruth L. Farley 7221, Robert R. Murray 7411, Harvey N. Pouliot 1211, Anne F. Barrett 7225, Lois E. Merriam 7225, Fletz H. Forsman 2711, Queento L. Vandi 2521, and Joaquin E. Chavez 7242.

Feb. 15-21

Cleavord N. Giles 1613, Beverly W. Washburn 5243, Emiliano O. Baca 2419, Mary M. Catello 2419, Robert P. Crabb 5242, James Bone 2557, Garold L. Fowler 1242, Robert M. Jacob 5524.

Elvira M. Antuna 7225, Bernice D. Beeson 3164, John W. Hinson, Jr. 2124, Richard A. Poe 5533, Franklin I. Martin 4151, Joanne G. Boyd 2150, Roy E. Carlmark 2531, Lee S. Culbertson 2552.

Donald L. Lawson 1461, Samuel L. Smith 2232, Alvie A. Barrett 2231, Mary A. Van Brocklin 2461, Clifford J. Ruttle 6215, Ralph W. Griffin 2152, and Charles J. Skaloud 2122.

Two Year Certificates

Feb. 8-14

Feb. 8-14

G. P. Kenfield 1411, Bette J. McKenzie 2353, William F. Carstens 7223, Robert E. Daniels 1421, J. Del Mastro 4131, Clarence H. Meyer 7411, Everett L. Westfahl 1461, Lawrence E. Crackel 2483, and Albert L. Gower 7411.

Paul L. Travis, Jr. 5221, Kenneth S. McNabb 2417, Gloria Treadwell 7225, Bernard Stiefeld 2552, Thomas Williams, Jr. 1451, and Don-ald J. Grab 1463.

ASME Speaker to Tell Of Instrumentation Feb. 20

The New Mexico Section of the American Society of Mechanical Engineers will meet Wednesday, Feb. 20, Gene Gardner, 2154, publicity chairman, announces.

Thomas W. Clark, field engineer, Minneapolis-Honeywell Regulator Co., will give an illustrated talk on "Fundamentals of Instrumentation." The meeting begins at 7:30 p.m. in Rm. 101 of Mitchell Hall, University of New Mexico.

Supervisory Appointments

CUVIER J. McGARR to Superintendent of Production, 2200. He will succeed Frank H. Longyear, who will retire March 1 after nearly nine years at San-

"Mac" started with the Cor-

poration in Feb., 1948, and has been department manager of 2340 since Nov., 1951.

Before com ing to Sandia he was office manager for two years for

Leon Watson & Associates, Albuquerque, and worked as a librarian from 1935-42 in Pittsburgh, Pa. He also taught high school one year in Hooker, Pa.

Mac has a BA degree from Grove City College, Grove City,

He holds the rank of major in the Air Force Reserve and is Commanding Officer of the 9174th Air Reserve Group.

During World War II he served four years in the Army Medical Administrative Corps at Air Force installations.

GEORGE H. DONALDSON to supervisor of Test Equipment



Section, 1421-3, Radar Techniques and Test Equipment Division.

George has been in organization 1420 most of the time since he

started work for Sandia Corporation in Oct., 1952.

The previous five years he was at the Navy Electronics Laboratory, San Diego, Calif., in the special electronic support section.

George also worked for the Civil Aeronautics Authority in Alaska a year in the field of VHF radio equipment.

He holds a Bachelor's degree in Electrical Engineering from the University of Colorado and has also taken courses at U.C.L.A. While in the Navy Reserve George served a short tour of duty in the Atlantic.

He is a member of Eta Kappa Nu, electrical engineering honorary, and Pi Mu Epsilon, mathematics honorary.

JOHN R. AMES to supervisor of Telemetering Antenna Section,

1423-2, RF Components Division.

"Jack" has been with the Corporation four and one-half years and has been working in RF



systems most of the time. From 1946-1952 he was with Westinghouse Electric Corp. in Baltimore, Md., working in the field of UHF broadcast transmitter design.

Jack received his BS degree in Electrical Engineering at the University of Cincinnati in 1945 and previously attended Whitman College, Walla Walla, Wash.

He is a member of Eta Kappa Nu, electrical engineering honorary, and the Antennas and Propagation professional group of

Les Brown Band Plays Feb. 26 at Coronado Club

Les Brown and his "band of renown" will play at the Coronado Club on Tuesday night, Feb. 26, from 8 to 12 p.m.

Tickets will go on sale to members beginning at 1:30 p.m. Saturday, Feb. 16 at \$2.00 plus tax. Remaining tickets will go on sale for guests on Friday, Feb. 22 at \$3.00 plus tax.

Table reservations will be made at the time of ticket sales.

JAMES L. ROGERS to supervisor of Data Acquisition Section. 1421-2. Radar Techniques and Test Equipment Division.

"Jim" has been with organiza-

tion 1420 since he began work for the Corporation in September, 1953.

He came to Albuquerque from New York City where he was an area engineer with

American Telephone and Telegraph Co. His job was microwave path loss testing along the radio relay route of the Eastern seaboard area.

In 1950 Jim received his Bachelor's degree in Electrical Engineering from the University of Colo-

Jim is a member of IRE and three honorary societies: Eta Kappa Nu, electrical engineering; Sigma Tau, engineering, and Pi Mu Epsilon, mathematics.

LLOYD M. MELICK to supervisor of Section 1422-1, Mechanical Division.

A Sandian for five and one-half years, Lloyd has worked in or-



ganization 1422 his entire time with the Corporation.

Previously he was two years with Radio Corporation of America in Marion, Ind., where their ca-

thode tube plant is located. He was a production engineer.

Lloyd obtained his Bachelor's degree in Mechanical Engineering from the University of Nebraska

Lloyd is a member of the National Society of Professional Engineers, American Society of Mechanical Engineers, and is a licensed engineer in New Mexico.

FRED J. WEIBELL to supervisor of Storage and Assembly Facilities Section 1281-3, Handling Equipment Division I.

Fred has been in organization

1280 since he started at Sandia in July, 1953.

The previous five years he was chief engineer of radio station KMUR in Murray, Utah, and at

the same time attended the University of Utah. He has a Bachelors' degree in Electrical Engi-

Fred holds membership in Tau Beta Pi, engineering honorary.

During three years service with the Navy, he was stationed most of the time at Treasure Island, Calif. as an instructor in elec-

MARTHA J. TUFFS to supervisor of Secretarial Section 7225-6. Secretarial Service Division.

During her five years at Sandia Corporation Martha has been a



personnel representative and an employment interviewer. Previously she

worked a year and one-half as a social worker for the Department of Public

Welfare in Albuquerque.

She has a BA degree in Psychology from the University of New Mexico and has also taken graduate studies in social work at the University of Denver.

Martha is a member of the International Association of Personnel Women, Alpha Kappa Delta, psychology honorary, and Kappa Omicron Phi, home economics honorary.



MORE THAN 300 Sandia Corporation employees attended "University Night" at the Coronado Club recently. The event, held to answer questions about University of New Mexico procedures and requirements, was arranged by Staff Training and Education Division, 3123, with Harold O. Ried, Director of UNM Extension, Summer Session and Community Services. UNM faculty counselled the students.

300 Sandians at Meeting With 'U' **Faculty Members**

An estimated 300 Sandia Corporation employees attended 'University Night" last week at the Coronado Club, the largest turnout yet for this function, Frank Taylor, Staff Training and Education Division, 3123, reports.

Employees met with representatives of the University of New Mexico faculty to discuss registration procedures, course requirements and individual questions on UNM attendance.

"The new extended Educational Aids program of Sandia Corporation has increased interest in furthering employee's college training," Taylor said. "University Night attendance is one indication of this increased interest. Registration of Corporation personnel at the University for the spring semester should increase proportionately."

Registration figures for last semester show that 160 Corporation employees enrolled under the Educational Aids program.

A dinner was held earlier the same evening of University Night with several members of the UNM faculty attending as guests of Sandia Corporation. Max Howarth, Sandia Corporation General Manager, expressed appreciation to Dr. Harold O. Ried, Director of the UNM Extension, Summer Session and Community Services, and faculty members present for giving their time to counsel Sandia employees.

Other Sandia Corporation personnel present included G. A. Fowler 5000, Kimball Prince 6000, F. E. Burley 2500, R. P. Powell 3100 Gene Peirce 3120 W G Funk 3150, Don Jenkins 2122, and Frank Taylor 3123.

Toastmasters Compete For 'Speaker of Year'

Final competition for the "Speaker of the Year" award of the Sandia Toastmasters Club 765 will be held at 7 p. m. in the La Cana Room of the Coronado Club Thursday, Feb. 14.

Finalists include Ron Hayenga 1441, Jimmy Williams 1444, Ken Sutton 3152, and Wayne Keyes USN. Winner of this contest will compete in the District Toastmaster competition.

Also on the program for the meeting will be a talk by noted Indian artists Al and Natachee Momaday, instructors at the Jemez Day School.

Two Sandians were recently elected officers of the organization. Art Cordova, 2131, was elected treasure and Bob Nelson, 7431 was named executive vice presi-



ADVISING Sandia Corporation employees on University of New Mexico registration procedures and course requirements recently at "University Night" held at the Coronado Club were L to R Dr. W. W. Grannemann, associate professor of Electrical Engineering, and Dr. Richard K. Moore, Sandia Consultant and chairman of the University EE Department. Oran May, 2151, and D. P. Anderson, 5222, prospective students, talk with the University educators.

(Continued from Page One)

Technical Man's

provides the opportunity for-or better still, demands-professional growth provides a form of compensation not directly measurable in dollars but worth many dollars in the future career of the individual.

Intense effort is a necessary part of the process of personal development. Challenging jobs are not easy jobs, but when completed bring a sense of satisfaction and evidence of growth that is a real reward to the individual.

In the long run the most valuable asset the professional man can have is the reputation he builds as a result of a steady and continual growth over a period of years in his technical field. This leads to the third dietary element of major importance to the technical man-professional recogni-

Recognition in his profession by his contemporaries can be developed through publication of the individual's work in appropriate professional journals. Individuals working in unclassified areas face primarily the problem of suitable subjects and the effort of preparing good papers. In classified types of work, the additional problem of finding unclassified subjects for publication is present.

Fortunately, in the past few years, governmental agencies have set a trend to encourage contractors to publish the results of technical efforts wherever possible. Encouraging also is the fact that an individual can gain a certain amount of recognition in his profession within the classified framework of the nation's technical activity.

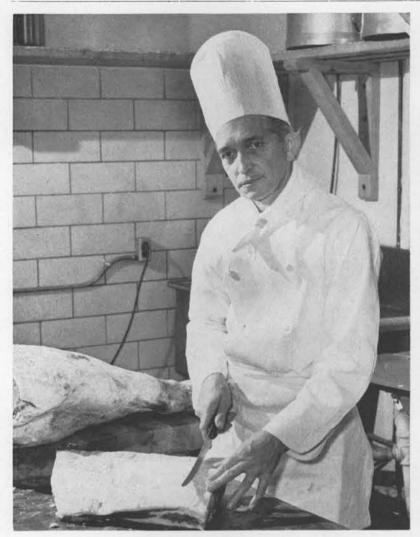
A truly professional employee is

part of management and plays an important role in shaping the future of the company. One of the things that he expects is that he will be informed of the objectives of the company and how his own assignment relates to those broad objectives.

Good communications between the policy-making levels of the company and all of its professional employees is a form of local recognition to the professional man. If the company gives the professional employee the freedom to determine his own goals and the freedom to take his own approaches to the solution to the problems, within the bands of his assignment it is recognizing the nature of the professional em-

One of the problems that faces American industry today, with its large numbers of professional employees, is how to recognize the "individual professional contributor" as he grows and increases in professional stature. Whether the pathway up the supervisory ladder provides an adequate means for this recognition is highly debatable. Some of the authority and privileges now associated only with increased supervisory rank and responsibility could well be used as a means of recognizing the stature and importance in company management of the professional man.

These elements, then, are the most important to the diet of the technical man: adequate compensation, fairly administered; job environment conductive to professional growth; and recognition as a professional by his profession and by his organization.



Rudy Adams, food artist -"careful cooking and eye appeal"-

Chef Rudy Adams Brings Years Of Experience to Coronado Club

"Quantity food preparation requires equal amounts of two skills," says Rudy Adams, new chef in the Sandia Corporation restaurant, located in the Coronado Club. "The first, of course, is careful cooking of good food, and the second is attractiveness."

"The success of an outstanding buffet," Rudy says, "depends on the arrangement of the table-it has to be spread with a colorful variety of foods and the overall effect must be pleasing to the eye as well as the taste."

After 20 years of experience with Anderson-Dunham, national catering firm, Rudy qualifies as a "food artist." His last assignment before Sandia was at the Lockheed Aircraft plant in Burbank.

Among other assignments he has been executive chef at the Del-Mar race track, the Isthmus on Catalina Island, an Officer's Club at Edwards Air Force Base, the San Pedro Naval Supply Depot and the Terminal Island Naval

One of Rudy's more interesting assignments was chef for a movie company on location. He worked at Rosarito Beach, Calif., during the shooting of "Gunga Din," and "The MacComber Affair."

While working on movie location assignments, he visited New Mexico and set up his kitchen at Acoma for the filming of "Sundown."

At the Corporation resturant, which prepares food for the Tech area cafeterias also, Rudy will be in charge of menu planning, food purchasing, and kitchen supervision with John Taylor, Coronado Club and restaurant manager. He plans to offer "the best service possible" along with a greater variety of foods that are eye appealing and appetizing.

Basketball Play Suspended As **Old Gym Closes**

League play in the Sandia Em-Basketball Association was suspended Jan. 31 when notice was given that the Old Base Gymnasium would be removed to make room for a new military cafeteria.

Efforts to locate an available gym to continue the League are underway. As the Sandia Lab News went to press no definite arrangements had been made.

The Corporation has been assured that gym space will be available next year in an addition to the New Gymnasium when construction is completed.

In the meantime a Single Elimination Tournament is tentatively scheduled Saturday afternoons beginning Feb. 9 in the new gym. Sandia teams will compete each until a champion Saturday

League standings after the final game were as follows:

| | STANDING | 35 | |
|---------|----------|------|-----|
| Team | Won | Lost | Pct |
| 2400-1 | 8 | 0 | 100 |
| 5200 | 8 | 1 | .88 |
| 7200-1 | 7 | 1 | .87 |
| 7400 | 7 | 1 | .87 |
| 1600 | 5 | 3 | .62 |
| 2100 | 5 | 3 | .62 |
| 5500 | 5 | 4 | .55 |
| 1200-1 | 4 | 4 | .50 |
| | 4 | 4 | .50 |
| | 4 | 5 | ,44 |
| | 3 | 5 | .3/ |
| 2200 | 3 | 0 | .33 |
| | 2 | 0 | .23 |
| 2300 | 1 | 4 | 1.4 |
| | | 7 | 12 |
| 7200-11 | 1 | 7 | .12 |
| | | | |

Robbins Talks to ISA Members Feb. 21

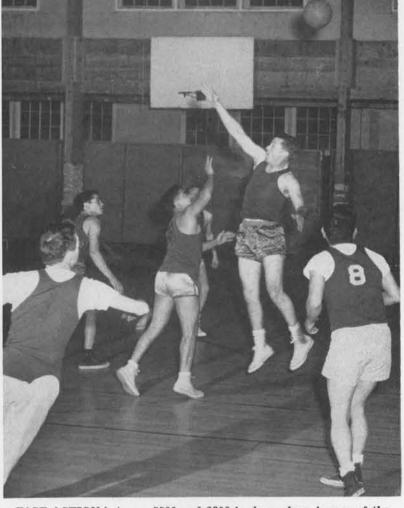
Albuquerque Section of the Instrument Society of America will meet Thursday, Feb. 21, at 7:30 p.m. at 2628 San Mateo NE., Nicholas Sannella, Jr., 1422, Secretary, reports.

Daniel Robbins, Manager of the Albuquerque District Office of Consolidated Electro dynamics. Corporation, will discuss "Digital Data Processing Systems."

Radio Amateurs Plan Spare Gear Auction

Auction of radio and electronic gear is scheduled for the Sandia Base Radio Club, Monday, Feb. 11, beginning at 8 p.m. in Bldg. T-319 on Sandia Base, Reuben Barwick, 4112, secretary, reports. Max Hood, Albuquerque Auctioneer, will be in charge of the sales.

Anyone interested in selling extra radio equipment is urged to arrive early in order to get their gear tagged for auction.



FAST ACTION between 5500 and 2300 is shown here in one of the final games of the Sandia Employees Basketball Association. Ben Marquez, 5521, tries a long shot from the middle of the court. Bob Ledgerwood's try for a block failed. Charging in from the left is Charles Sain, 5513, and Amos Alire, 2351. Number 8 is David Chavez, 2351. Team 5500 defeated 2300 by a score of 60-44.

Tech Writers Hear Suttman Tell How To Prepare Pictures

"Preparation of Illustrations for Publications" is the title of a talk by John Suttman, supervisor of Technical Illustration Section I, 2463-1, to be presented at a meeting of the Albuquerque Chapter of the American Society of Technical Writers Tuesday, Feb. 19.

The meeting will be held at 7:30 p.m. in Reddy's Rendezvous, Fifth St. and Silver Ave., SW.

Anyone interested in attending the meeting should make reservations with John Cowan, 7123, or Justin Heineman, 7123, both at ext. 21148.

ASTE Meets Feb. 14

The Albuquerque Chapter of the American Society of Tool Engineers will meet Thursday, Feb. 14. The dinner meeting will be held in the Hilton Hotel at 7 p.m.

Nicholas Sannella, Jr., 1422, will discuss "Electroforming in Engineering."

Oak Ridge Scientists to Speak Before ASM On Reactor Building

Dr. W. D. Manley, associate director of the metallurgy division, Oak Ridge Na-



La Placita Din-Dr. Manley ing Rooms in Old Town, Ken Helmstadter, 1624,

reports. Dr. Manley will discuss "A Metallurgist Builds a Nuclear Reactor," speaking from first hand information as he is engaged in research on materials problems in

be obtained by contacting Helmstadter, ext. 40153.

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

Next Deadline: Noon, Feb. 14

FOR SALE

DRAPERIES, gold reversible rep 120" pair pleated width, 78" length, \$25. Bathinet, basinet \$2 ea; gun rack, \$3. Ross, Alb. 9-1526.

9-1526.
PISTOL, H&R trappers model, 7 shot 22 revolver, \$12.50 or trade for powder measure or scales. Lane, Alb. 9-3962.
STUDIO COUCH, \$35; mixer w/attachments, \$10; small desk, \$7; large desk, knotty pine, \$25, Tent, 10x12, \$55. Gunn, Alb. 9-2740.

SOFA BED w/bolsfers, \$28. Boyd, Alb. 5-6451.

REFRIGERATOR, Montgomery Ward, 71/2, cu. ft. \$65. Wistor, 729 Louisiana SE, Alb. 5-5947.

AID. 5-5947.

CEMETERY LOTS (4) in Sunset Memorial Park, perpetual care, \$100 per lot. H. A. Walters, 9 Meissner Street, Las Vegas, Nevada.

Nevada.

HI-FI SPEAKER, 12" Jensen H222 Co-Ax in Karlson enclosure, \$50, satisfaction guaranteed, 12 Co-Ax speaker, \$5. Zownir, 414 Monroe NE, Alb. 6-3717.

WASHING MACHINE, Bendix Economat, \$50. Robertson, Ext. 24290.

BEAGLE, registered, spayed, female, year old, \$15; Thayer collapsible buggy, \$20; Teeter-Babe Chair, \$2; Two pairs lined single-panel drapes, \$15. Jenkins, Alb. 6-1923.

'46 CHEVROLET PANEL, good rubber, runs and rattles, \$125. Gilbert, 9009 Menaul Blyd. NE. Alb. 9-1619 after 5:30.

56 MOTOR SCOOTER, Cushman Highlander Delux w/extras, 75 miles per gallon. Par-do, 3131 Sierra Dr. NE after 5 p.m. TRAILER, one wheel, all metal $31/2 \times 41/2$ ft. w/new spare tire & tube, \$40. Sweede, 3408 Alvarado Dr. NE, Alb. 5-6763.

WALL FURNACE, 50,000 BTU Utility dual, LPG, complete w/connection. Silva, 1720 Wilmore Dr. SE, Alb. 3-0191.

GAS RANGE, full size, Tappon, \$35 or best offer; Washer, spin-dry, \$100 or best offer Myron, Alb. 2-5250.

'50 BUICK, 4-door special dynaflow, radio, underseat heater, sunvisor, \$200. Taylor, Alb. 5-7816.

BASSETT, MAINING AKC.

BASSETT HOUNDS, AKC registered, weeks old, 1 male and 1 female frochampion stock. Spence, Alb. 6-0174. 32 CHEVROLET, Longenbaugh, Alb. 8-0366. WOOL RUG, 9x12 green, pad. Good size green wool throw rug, needs cleaning, \$45. Lazarr, 1849 Lester Dr. NE.

LAWN FENCE, 85 ft. long 3 ft. high \$16. Buck, 9010 Matthew NE, Alb. 9-4698.

RADIO, PHONO, 2 speed disc recorder P. A. system (portable), \$65. Ski equipment also. Aaron, Alb. 3-4684.

MOTORCYCLE, 1949 Harley Davidson 74 O.H.V. Lots of extras, metallic green, \$250. Ankeny, Alb. 9-5320. DAVENPORT, comfortable green bed, 2 casual chairs, \$150 or sell separately. Goodman, Alb. 6-3781 after 3:30 p.m. ELMAC A54 xmtr, PE103, Gonset 3-30, 500 VAC pwr supply, Millen R9'er. \$130 or best offer. DeBaca, Alb. 2-9930. CAMERA, Minoltacord Romar SIII 1:3.5-75 MM. 1 to 1/500 sec. Double lens reflex, 120 film w/carrying case. Ryan,

reflex, 120 Alb. 6-1546.

'48 MERCURY, R&H, spotlight, sun visor, lifeguard tubes & tires, \$200. Armbrust, Alb. 6-2254 weekdays after 5:30.

BED, vanity, bench, 2 chairs, \$15. Hicks, 321 Manzano St. NE, Ext. 27144. CORNICE BOARD, Coral covered, scrolled design; 1954 All State Motor Scooter, w/windshield, buddy seat, Jordan, Alb.

w/windshield, buddy seat, Jordan, Alb. 5-4832.
ICE SHOE SKATES, two pair of Johnson's girl's, size 5; Sloane, Alb. 9-3546.
PROPERTY in Placitas, N. M. two houses on 1½ acres, adobe construction, fire-places, modern, Trade or terms on equity. Wood, Alb. 4-0342.
DODGE CARRYALL, 4-wheel drive, sleeps two, mechanically perfect, new carburetor, battery, generator and front differential and good spare. Gallagher. 6-3981.
3 BR HOUSE, by owner, brick, 13½ baths, hardwood floors, near all schools, d/p \$2,500. Price \$16,500. Schell, 713 San Pedro Dr. SE, Alb. 5-5732.
SKIS, POLES, BINDINGS for woman or youth, complete \$12; boy's 20-inch bicycle, \$15; new electric mixer, portable, \$10. Sherwin, Alb. 5-8866.
MANGLE on stand, folds up compactly, \$35 or trade for good desk. Rutherford, Alb. 9-2420.

Alb. 9-2420.

50 DODGE 1/2 ton pickup, \$395 cash or will trade. Causey, Alb. 9-0089 evenings or weekends.

AUTOMATIC WASHING MACHINE, Sears, bolt down type, \$25, will deliver. Cole, 645 San Pablo SE. Ext. 31160.

VACUUM CLEANER, Rex Air, attachments, \$25, Roach, 3124 Colorado St., Alb. 5-4336, after 5:30.

\$25. Roach. 312 5-4336 after 5:30.

'49 STUDEBAKER Champion Starlight 5-pass coupe, Radio climatizer, overdrive, \$225. Shew, Ext. 32234. KODAK PONY 35 MM Camera, case, \$20. 16" Clemson rubber tired lawn mower, \$10. Evans, Alb. 6-6108, 300 Gen. Patch NE.

MAPLE BUNK BEDS (1 spring, mattress), \$20; boy scout uniform, size 12, \$8; 500 watt transmitter, pair 813's in final, \$125. Butler, Alb. 5-8503.

AUTOMATIC WASHER, \$45. Garratt, Alb. 9-0749 after 6.

47 CHEVROLET, 2 door, transportation, \$100. Binder, Alb. 6-6593.
 3 BR HOUSE, 1½ baths, central heat, air conditioned, w/w carpeting, NE heights;
 5pringer, Alb. 9-5490.
 HI-FI PHONOGRAPH, w/\$50 records, \$150; fertilizer; Utility trailer, 2 wheel, all

fertilizer; Utility trailer, 2 wheel, all metal bed, spare attached, \$60. Harrison, Alb. 2-9112.

Alb. 2-9112.

ELECTRIC BLANKET, Westinghouse, single control, \$20. Brooks, Alb. 6-9364.

DISHES, fine Oriental china, service for 12, must sell, make offer. Peters, 1023 Grace NE, Alb. 9-4327.

MARE, seven years old, Thoroughbred, racing stock, rein broke, make ideal horse for saddle club member. Marchant, Alb. 5-1152.

ICE SKATES, boys, size 5, used one season, \$5. Lueders, Alb. 6-4919. ADDING MACHINE, Victor, adds to 9,999,-999,99 w/direct subtraction. Ten keys, \$90. Gustafson, Alb. 9-3270.

BOYS SCHWINN BICYCLE, English racer, 26" wheel-23" frame, \$40. Beadersted, 10322 Norman NE, Alb. 9-2829. 2 BR HOUSE, small, lot 50x190, \$500 down, \$55 month. \$6500. Lopez, 1631 Five Points Rd. SW, Ext. 43149.

OAK VANITY DRESSER & matching chest. Dinette table. \$49. Chaves, Alb. 5-6155 after 5 p.m. or weekends.

 VACUUM CLEANER w/attachments, Wards tank type, \$15. Pinkerton, Alb. 5-2505. CHEVROLET COUPE, new battery, requires no engine or body work, does not burn oil. \$125; Morgan, Alb. 6-9637.

TWIN BEDS, mattress, springs & steel frames; Middledilch, Alb. 9-3869, 2812 Vermont NE.

'50 DESOTO Custom Coupe, R&H, clean-good tires, \$495. Baker, Alb. 6-2492.
'50 BUICK special 2-door, dynaflow, R&H, 6 cents per pound or best offer. Taylor, Alb. 6-3221.

tional Laboratory, will speak to members of

the American Society for Metals Feb. 21. The Albuquerque Chapter of ASM will meet

at 6:30 p.m. at

reactor development.

Reservations for the meeting may

SHOPPING CENTER

PISTOL, new Ruger single six .22 cal. \$52 or trade for Colts or Winchesters. Zaluga, 1321 Van Cleave NW, Alb. 4-1564.

'51 PYLMOUTH hardtop, R&H, good tires, cash. Hansen, Alb. 8-0625 after 5.
GAS RANGE, 1953 Kenmore 4 burner, divided top, \$45. Edwards, Alb. 9-5496.
UNIVERSAL SWEEPER, all attachments, \$15. Mohart, Alb. 5-7805 after 5:30.

MOTOR SCOOTER, Cushman Eagle, 1951, recent overhaul, \$100 or best offer. Abernathy Alb. 5-4386.

WANTED

GIRL TO SHARE nice house in Highland district w/Sandia employed girl. Sage, Alb. 5-2098.

TO CARE for child in my house for working mother. Chavez, Alb. 5-7425.

TO CARE for children in my home. Hiner, 3116 Madeiria NE, Alb. 6-4563.

DRIVER to share expense and driving to St.
Louis. Leaving Feb. 15th—returning
approx. 2 weeks. Shane, Alb. 8-2376. HOME FOR COCKER SPANIEL, three year ald registered, nice w/children. Pasko,

TO CARE for children in my house on Sandia Base (Wherry Housing) Canfield, A'b. 6-9687.

STUFFED OWL, large, to be used for crow hunting. Kodel, Alb. 6-0096.

RIDE TO NEW ORLEANS, La., share expenses. leaving March 1, 1957. Heimer, Alb. 9-4501.

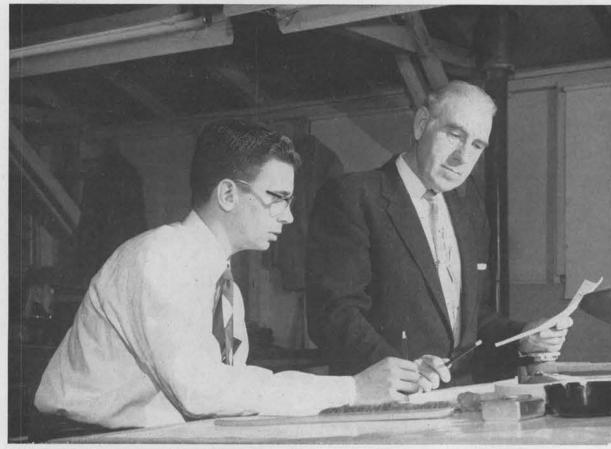
TO CARE for children in my home. Wood, Alb. 5-6383.

CAMERA FANS, anyone desiring to or-ganize a Camera Club, contact Russ Merrell, Ext. 44246.

FOR RENT

ONE BR APARTMENT completely furnished. Near shopping center, bus and bases. Hunter, Alb. 5-8983.

3 BR HOUSE, unfurnished, stove, refriger-ator, carpet, NE area, available Feb. 15. Kaczan, Alb. 9-4885.



DRAFTING ADVICE is given trainee Donald Ouellette by instructor Art Russell, 7412. Donald started in the Nov. 1 Corporation drafting class. He studied drafting for four years in high school at North Attleboro, Mass., and is now taking a correspondence course in Engineering to help him

understand many work problems. Coming from out-of-state Donald is somewhat of an exception among the trainees since the majority of them are recruited from local high schools, however, he merely followed the westward trek of his brother, A. L. Ouellette, Jr., a draftsman in 7411 a year.

job training.'

and standards.

'Grow Our Own'

Sandia Teaches Drafting Classes

Experienced draftsmen are hard to come by, so Sandia Corporation has a "grow our own" project to assure a future supply.

A special Sandia training class takes high school or college students with an interest in and aptitude toward drafting and three months later they emerge ready to work as draftsmen.

The first such class was held in 1950 with a second class the following year. T. T. Robertson, Superintendent of Drafting and Specifications, 7400, recalled that many of these trainees were called into military service after completing their course, but all except one returned to Sandia Corporation upon discharge. More than half of the members of these first two classes are still employed

The third intensive course began last November with 15 men, chosen from 30 to 45 applicants. Another class will start in February. Want Good Grades

The top factors in screening the candidates are good grades in school—especially in any math, science or drafting class-interest in the work, personal interviews, and finally results of aptitude tests. The tests, given by Development and Results Division, 3154 included work sample tracing, abstract reasoning, mechanical aptitude, space relations, and an industrial arithmetic speed test.

Trainees start off with a "P" clearance and a beginning draftsman's salary, grade 83.

At building 837 their instructor is Art Russell, 7412, a former University of Michigan romance language professor who turned draftsman some years ago. He explained, "We place particular emphasis upon good line work, lettering, proper arrangement of views and intelligent dimension-

The students see 10 different training films on drafting and shop work, and are given a tour and explanation of the processes of Walt Hall's 2150 Mechanical Department in building 840. Four hours a week they receive instruction in Geometry, Algebra, and Trigonometry from Joe Calek,

After six weeks the trainees begin to work part-time on actual drafting problems.

Investment Pays Off "We have found out," Mr. Robertson said, "that by giving specialized full-time training,

AEC Seeks Bids for Warehouse Building in Corporation Tech Area

Corporation's investment is com-

pensated by increased production

sooner than by part-time on-the-

After completion of the three-

Fred Eichert, Manager of

month course future growth is up

to the individual, in the opinion

Drafting Department 7410. He ex-

plained that any basic engineering

courses are beneficial to a drafts-

man as well as study of shop pro-

cesses and materials. The trainees

are given guidance and encour-

agement by the drafting depart-

ment in continuing their educa-

Although geared for Sandia

Corporation projects, the trainees

complete the drafting course with

knowledge of universal practices

The AEC is seeking bids for construction of a model storage warehouse to be built for Sandia Corporation use on Sandia Base. The building will be located between Bldgs. 894 and 866 in Tech Area I.

The project includes a concrete frame and masonry block building of 35,000 square feet, heating, lighting, ventilation and related utilities and water line.

Cost is estimated to range from \$265,000 to \$290,000.

7-Day Orientation Series riannea for

A seven-day intensive orientation course for supervisors is being launched by Sandia Corporation aimed at broadening the training of first three levels of supervision. A pilot group is now taking the series. The first regular class will start about March 15.

A survey type of study, the orientation series will treat problems of the new supervisor—his responsibilities, contact with people, communications and understanding Corporation policies, to name a few.

Fifty-eight hours of group discussions, practice in skills and lectures will be contained in the series. Each class will have 15 members, two classes running simultaneously. Barney Goncher and Jack Dyer, both 3123, will conduct the classes. Meetings will be held in the Franciscan Hotel, downtown, in order to provide complete isolation from the job during the course. Classes will last throughout the day for seven

Speaking to the classes will be several Sandia Corporation vice presidents and superintendents. The orientation series is planned and presented by the Staff Training and Education Division, 3123.

Members of the pilot orientation group are: Travis A. Allen 2231, James R. Meikle 2224, Arthur Jones 2464, Robert W. De-Vore 7311, Paul D. Pewe 2513, Eugene K. Gardner 2154.

Stanley Urevitch 2114, Arthur N. Cordova 2131, Ronald A. Hayenga 1441, Bryan E. Arthur 2543. Jack R. Sublett 2553, Billy M. Ray 5222, and William A. Otero 2232.

Another phase of the supervisory training program to follow the orientation program for new supervisors is a series of "depth" courses which will take up major management skills in greater detail. George Porter, 3123, will administer these depth courses.

While the orientation series is for newer supervisors the depth studies will be for supervisors with longer experience.

Seek Bids on Area III

The AEC has issued plans and specifications for electrical modification to be made in facilities in Sandia Corporation's Area III. Bids are scheduled to be opened Feb. 26.

Electrical Modification

The project includes installation of three government furnished 250 - KVA transformers with switching gear, supply and installation of three 75-KVA and one 125-KVA transformers in Bldg. 6505 of Area III. Also included will be wiring, concrete work, fencing and underground communications cable, the latter adjacent to the test track.

Cost is estimated to range from \$30,000 to \$36,000.

Fuzing Systems Symposium Sponsored by Corporation

A symposium on Fuzing Systems Design for Atomic Weapons will be sponsored by Sandia Corporation Feb. 12-15. A three-day presentation will be made by the Corporation during the symposium to explain Sandia's attack on fuzing design problems and system development philosophies in atomic weapons.

The presentation will be made to Department of Defense techni-

IRE Schedules Five Group Meetings Plus Los Alamos Talk

Five professional groups of Institute of Radio Engineers will be meeting in the next two weeks plus a meeting in Los Alamos that will be of interest to Sandia Corporation employees, John McLay, 1455, group co-ordinator, reports.

James Lilienthal, LASL, will discuss "Hot Cell Design" at a meeting of the Los Alamos Chapter of the Professional Group on Nuclear Science. Sandians are invited to the meeting scheduled Thursday, Feb. 14, at 7:30 p.m. in CMR building conference room at Los Alamos.

Nuclear Science

PGNS will meet Wednesday, Feb. 13, at 8 p.m. in Rm. 217 of the Electrical Engineering building, University of New Mexico, James Gallegher, LASL, will discuss "Pulse Height Amplitude Analyzers."

Information Theory

PGIT will meet Thursday, Feb. 14, at 8 p.m. in Rm. 217, EE Bldg., UNM. The program will be announced at a later date.

Telemetry and Remote Control

PGTRC will meet Tuesday, Feb. 19, at 8 p.m. in Rm. 217, EE Bldg., UNM. Bruce Weston, 5223, will discuss "Cross Correlation Detectors and Improvement of Telemetry Systems."

Microwave Theory-Antennas and

Propagation

A joint meeting of the PGMTT and PGAP is scheduled Wednesday, Feb. 20 at 8 p.m. in the home of George Oltman, 1423, at 1004 Parsifal St., NE. Julian T. Lesler, Chief, Engineering Branch, Engineering and Communications Division, ALO, will discuss "Utilization of Forward Scatter in the Establishment of a 215 Megacycle Overwater VHF Radio Circuit."

Cold Sandwiches Available at Club **During Noon Hour**

A cold sandwich line operating in the Coronado Club restaurant since Jan. 28 has been speeding the lunch hour service. Employees desiring a light lunch of a sandwich, soup, salad, and dessert can utilize ne new line without going through the regular hot lunch line. Coffee and milk are also available in the sandwich line.

Prices of sandwiches range from 30 to 70 cents, salads 20 to 35 cents and soup is 10 to 20 cents. Location of the sandwich line is

to the left of the dining room in the main ballroom of the Club.

A. B. Metzger 'Emcees' Professional Engineer Meeting in Roswell

A. B. Metzger, 3210, will be master of ceremonies at the annual banquet of the New Mexico Society of Professional Engineers during the statewide convention in Roswell Feb. 22-23. He is a National Director of the organization.

Convention speakers include Robert J. Rhinehart, national president; Clark A. Dunn, national vice president; Paul H. Robbins, national executive secretary; and Thomas T. Mann, state presical agencies and their contractors. The Navy Bureau of Ordnance will make similar presentations

Corporation personnel Systems Development, Component Development, Research, Field Test, Operations and Quality Assurance organizations will deliver the presentations.

The Corporation will provide information and displays on environmental test facilities, materials, standards, and field test facilities and techniques.

Other information will be presented on manufacturing engineering, production and inspection programs in support of the fuze design activities of Sandia Corporation. Reliability, quality assurance, military liaison training and publications information will also be presented.

D. R. Cotter, 1261, is in charge of the technical program of the symposium. R. K. Petersen, 1261-1, is coordinating the efforts of the Corporation participants.

RCA Scientist Speaks To Joint Meeting of ASOC-IRE Members

A joint meeting of the American Society for Quality Control and the



New Mexico. Clifford

M. Ryerson, C. M. Ryerson Senior Reliability Administrator, Radio Corpora-

Institute of Ra-

dio Engineers is

scheduled Tuesday, Feb. 12, at

8 p.m. in Rm.

201, Electrical

Engineer -

ing Building.

University of

tion of America, Camden, N. J., will discuss "Electronic Equipment Reliability-Control and Management." Formal organization in industry for reliability control, management responsibilities and educational needs will be illustrated in the talk.

Mr. Ryerson earned his BS degree from Stetson University in 1936 and his MS from Duke University in 1937. His experience includes three years on the Duke University staff in positions from technical assistant to the head of the physics department, group leader and project manager with the Naval Ordnance Laboratory in Winteoaks, Md., branch manager of the Naval Gun Factory, Washington, D. C., and system engineer and project manager at RCA prior to accepting his present

R. J. Blount Reelected Head of Credit Union

The Sandia Laboratory Federal Credit Union board of directors re-elected Robert J. Blount, 4151. as president for another year during a recent meeting.

Other officials elected by board members include: L. E. Lamkin, 7300, vice president; J. T. Dempsey, 6021, treasurer; and Miss G. M. Byrne, 7225, clerk.

The Credit Committee chose J. L. Hickey, 4161, as its chairman and the Supervisory Committee elected J. S. Miller, 4135, to serve as its chairman.

Seek Instructors for Sandia Evening School

Sandia Evening School Classes in several subjects, including D-C Theory, A-C Theory, Blueprint Reading, and Basic Electronics will start about March 1, according to Joe F. Calek, 3124.

Details of the program, including exact time and location of the classes will be announced later.

Anyone interested in teaching these courses is asked to contact W. S. Sturgis, 3124, ext. 52151.