



P. A. Gorman



R. L. Helmreich

—New Members of Sandia's Board of Directors—

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 programs.

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.; W. L. 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.

Hospital Plan Members to Consider Benefit Increase

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 Plan.

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 coverage.

The Modified Plan, with higher premiums and greater benefits,

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, X-rays 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, eye refractions and glasses, dental work (except for accidents), hearing aids, and transportation except for local ambulance service.

Monthly rates would be \$4.25 and \$12.95 for single and family-type coverage.

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

High Honors Go to Sandia Corporation For Fire Prevention

Sandia Fire Prevention Week activities of 1956 earned the 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 Plant Inspection Division, 2442.

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."

Sandia V.P. Advises Technical Man's 'Diet'

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 comments.

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 professional 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)



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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 several 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 detonations.

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.



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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 threshold 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 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.

NATIONAL ENGINEERS' WEEK



ENGINEERING... America's Great Resource

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 "Who-ooo 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 1611.

Named to Chamber Posts

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

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 Odium 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 applications.

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 family.

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, 7221-2.

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 co-chairmen 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 contest.

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

Born to:

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

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

Mr. and Mrs. Fred T. Hansen, 2532-2, a son, Brian L., on Jan. 24.

Mr. and Mrs. John Easley a daughter, Janet Elizabeth, on Jan. 23. Roberta Easley is on leave from 7225-5.

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, Lucille, to Charles Salazar, also of Albuquerque.

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



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, Nev.

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. 15.

Sally F. Cole Dies Suddenly Jan. 24

Sally F. Cole, a Corporation employee since Oct., 1953, died suddenly Jan. 24 in her Albuquerque apartment.

Miss Cole was 27. She was a service clerk in organization 2121.

Survivors include 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.



Miss Cole

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 Sandia.

"Mac" started with the Corporation in Feb., 1948, and has been department manager of 2340 since Nov., 1951.

Before coming 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, Pa.

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

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



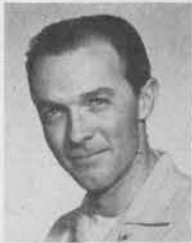
JAMES L. ROGERS to supervisor of Data Acquisition Section, 1421-2, Radar Techniques and Test Equipment Division.

"Jim" has been with organization 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 Colorado.

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 organization 1422 his entire time with the Corporation.

Previously he was two years with Radio Corporation of America in Marion, Ind., where their cathode tube plant is located. He was a production engineer.

Lloyd obtained his Bachelor's degree in Mechanical Engineering from the University of Nebraska in 1949.

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 Bachelor's degree in Electrical Engineering.

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 electronics.

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 require-

ments, 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 president.



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 Diet

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 recognition.

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 employee.

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 conducive to professional growth; and recognition as a professional by his profession and by his organization.

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.

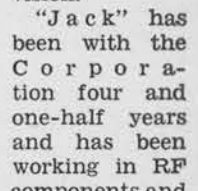
The previous five years he was at the Navy Electronics Laboratory, San Diego, Calif., in the special electronic support section.

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 components and 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 IRE.

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.



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.

'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 here.

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 dimensioning."

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, 3124.

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, the

Corporation's investment is compensated by increased production sooner than by part-time on-the-job training."

After completion of the three-month course future growth is up to the individual, in the opinion of Fred Eichert, Manager of Drafting Department 7410. He explained that any basic engineering courses are beneficial to a draftsman as well as study of shop processes and materials. The trainees are given guidance and encouragement by the drafting department in continuing their education.

Although geared for Sandia Corporation projects, the trainees complete the drafting course with knowledge of universal practices and standards.

AEC Seeks Bids for Warehouse Building in Corporation Tech Area

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.

Seek Bids on Area III Electrical Modification

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.

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-

cal agencies and their contractors. The Navy Bureau of Ordnance will make similar presentations.

Corporation personnel from 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.

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 Gallagher, 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 the 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 president.

RCA Scientist Speaks To Joint Meeting of ASQC-IRE Members

A joint meeting of the American Society for Quality Control and the Institute of Radio Engineers is scheduled Tuesday, Feb. 12, at 8 p.m. in Rm. 201, Electrical Engineering Building, University of New Mexico.



C. M. Ryerson

Clifford M. Ryerson, Senior Reliability Administrator, Radio Corporation 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 Wintcoaks, Md., branch manager of the Naval Gun Factory, Washington, D. C., and system engineer and project manager at RCA prior to accepting his present position.

R. J. Blount Re-elected 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.

7-Day Orientation Series Planned for Supervisors

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 work days.

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. DeVore 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.