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April 5, 1957

New Engineer Registration Law Goes Into Effect June 7

In this article A. B. Metzger, Sandia Corporation Safety Director (3210) and a National Director of the American Society of Professional Engineers, has interpreted recent changes in the Engineering Practices Act pertaining to registration of professional engineers.—Editor's Note

New registration requirements for professional engineers become effective June 7, 1957, as the result of action by the New Mexico State Legislature.

The present law permits registration of any engineer who is a graduate of a school or college approved by the State Board of Registration for Professional Engineers and who has four years active experience in engineering of a nature satisfactory to the Board. The new law requires that applicants obtain passing scores in two examinations in addition to the other requirements.

8-Hour Exams

The first test is known as the Engineer-in-Training examination. It takes a minimum of eight hours and may be written or written and oral. The second examination also takes eight hours and is known as the Professional Examination.

Applicants graduating prior to June 7, 1957, from an approved school or college will not have to take the first examination.

All engineers registered under the present law will continue in full status as registered Professional Engineers without additional examination. They will have to renew their registration each year as in the past.

Engineer-in-Training

The Engineer-in-Training examination and registration is designed for engineers just graduated from college. After passing this first examination, they become registered Engineers-in-Training until they accumulate the four years professional experience required for the second examination and to become registered professional engineers.

The second test examines the applicant's ability to design and

supervise engineering work and to apply engineering knowledge and skill to the solution of engineering problems.

Under the new law requirements for registration have been raised for applicants who are not graduates of an approved school or college. Instead of eight years or more of active practice in engineering they must have 10 years or more of active practice.

The new law also states that a record of 24 years or more of lawful practice in engineering work of a character satisfactory to the Board, four years of which can be earned by having a degree from an engineering school approved by the Board, shall entitle the applicant to registration if he successfully passes an oral examination.

New Fees Set

Application and registration fees under the new law have been increased to \$15 for the first examination and the issuance of an Engineer-in-Training certificate of registration. A second fee of \$15 is charged for the second examination and the issuance of a certificate. Applicants taking both examinations at one examination session will pay \$25.

Other changes in the new law refer to details of the operation of the State Board of Registration for Professional Engineers, expirations and renewals of certificates, suspension and re-issuance, etc. Only the provisions affecting registration of professional engineers have been covered here.

Mr. Metzger, ext. 2-3258, has full particulars on the new law. He advises all engineers desiring to register under the present law to send their applications for registration to the Board immediately.



Donald A. Quarles

Former Sandia President Named To Defense Post

Sandia Corporation's former president, Donald A. Quarles, has been nominated by President Eisenhower to serve as Deputy Secretary of Defense.

Mr. Quarles headed Sandia Corporation from March, 1952, to Sept., 1953, when he left for Washington to become Assistant Secretary of Defense in charge of Research and Development. He had been chairman of the R&D Board's electronics committee for several years. The President appointed him Secretary of the Air Force in Aug., 1955.

Mr. Quarles joined the Bell System in 1919 and in 1947 was appointed Vice President of Bell Telephone Laboratories. In that post he was active in directing the technical work of Sandia Laboratory and became a member of the Sandia board of directors in April 1950. An outstanding authority in the electronics field, he was elected Vice President of Western Electric Company and President of Sandia Corporation on March 1, 1952.

During his period at Sandia, Mr. Quarles was also president of the American Institute of Electrical Engineering.

Howarth to Speak To City Managers Group April 12

Sandia Vice-President and General Manager Max Howarth will speak before the New Mexico City Managers Association during their annual meeting in the new Albuquerque Civic Auditorium next Friday.

Mr. Howarth's subject will be "Relationship between Cities and Major Industry." The talk will be given at 1:45 p.m.

April 15 Deadline For 2 Tax Returns

April 15 is double deadline day for Sandia Corporation employees in New Mexico. Both Federal Income Tax and New Mexico State Income Tax returns must be filed on or before that date.

Federal forms should be sent to the District Director's Office, U. S. Internal Revenue Service, Albuquerque.

State income tax forms should be sent to the Income Tax Division, Bureau of Revenue, Santa Fe, N. M.



SARA WAKELAND, daughter of J. Peter Wakeland (7214), was chosen Bernalillo County Easter Seal Child. She stands in front of her portrait painted by Patricia Bates, a member of the Laguna Workshop Artists who painted the portrait for the 1957 fund drive.

Sandian's Daughter Easter Seal Child for 1957 Drive

Representing hundreds of crippled children as the Bernalillo County Easter Seal Child during the 1957 Easter Seal Campaign is Sara Wakeland, daughter of J. Peter Wakeland (7214). Mrs. Wakeland is chairman of the drive for Bernalillo County. Tom Zudick (3125) is vice president of the New Mexico Society for Crippled Children and Adults which conducts the drive.

Sara, a lively happy girl of seven, contracted polio a year and a half ago. Her recovery from confinement to a wheelchair into an almost normal and active individual points to the progress available through the combined skills of medical care and therapy.

"Rehab" Center Planned

To help provide treatment for handicapped children and adults in New Mexico, the Society hopes to build a \$200,000 Rehabilitation Center for the handicapped. In addition the Society will continue to expand its present program of therapy, medical service, counseling, crutch and wheelchair loan service and education.

The Federal government under the Hill-Burton Act will provide \$100,000 for the Rehabilitation Center. Another \$100,000 must be raised in the state to match the government's share by the deadline of June 1. Previous Easter Seal campaigns and donations, from local health and service organizations, such as the March of Dimes and the Albuquerque Junior League, have contributed \$65,000. An additional \$20,000 is pledged from the funds of the 1957 drive.

Need \$15,000 More

Still, \$15,000 needs to be raised before the Rehabilitation Center can become a reality.

Funds are raised by the Society through the sale of Easter Seals. These seals were mailed to 45,000 Bernalillo County homes. Contributions should be mailed to the Society's office at 1807 Broadway, N.W., Albuquerque.

AEC to Remodel Base Barracks For ALO Offices

Modification of four barracks buildings on Sandia Base for use as a headquarters location for the Atomic Energy Commission's Albuquerque Operations Office now is scheduled to begin in May, and should be completed near the end of 1957.

Transfer of the buildings from the Department of Defense to the AEC has been finally approved.

Plans and specifications for their remodeling will be made available to contractors by the AEC about April 5, and bids will be opened May 9, under present schedules. The contractor who is awarded the work will have 210 days for completing the modifications. Cost of the project is estimated at \$600,000 to \$650,000.

If work progresses as expected, the Albuquerque Operations Office will be ready in January, 1958, to begin its move from offices at 4001 Gibson SE, 201 San Mateo SE, and two locations on Sandia Base, to the new headquarters buildings.

A primary reason for obtaining the new headquarters was to centralize at one location the various offices and divisions of the Albuquerque Operations Office.



INCOME TAX REMINDER. Various types of both Federal and State Income Tax forms, as well as instruction sheets, are available at Employee Services Division, 3122, in Bldg. 829. Bonnie Knight (7225) shows a sampling of the many blanks available.



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Automation—Threat or Promise?

A few years ago someone coined the word "automation" and, being a new term, it was misunderstood and mistrusted. Are machines going to replace people? Only to the extent that people will benefit from all appearances.

Chances are pretty good that you have been enjoying the benefits of automation in your home for some time. Your gas furnace, radio-alarm clock or electric blanket are good examples of automation in action. You will be able to recognize more examples when you remember that an automated machine is a mechanism which controls and regulates itself.

Several points have been made to make you more familiar with automation. The editor of "Today"—an International Harvester employee magazine—points out that automation is not new. The chemical industry and the petroleum industry have been highly automated for years. This was a case of necessity for gas and oil cannot be handled any other way.

Also, automation is expensive and not applied except in cases where production makes the expense justifiable. Technically, we could automate just about everything, but products have to be made within certain cost limits so frequently this is not feasible.

Automation is not an attempt to manufacture more with fewer people. The real purpose of automation is to manufacture more uniformly, to closer tolerance, with fewer mistakes and more prompt correction of mistakes.

Since the printing industry received a degree of automation employment has increased greatly. The same has happened in the auto industry, fountain pen business, ammunition manufacture, or any other form of mass-production. As automation increased, the old time "sweat shop" disappeared, more people went to work, production rose and the work week was shortened.

Sandia Corporation has its share of automation. Almost everything that's controlled by a servo mechanism or operates on a feed-back principle is automated.

Sandia is taking another step to conserve needed manpower and improve performance with the new IBM Electronic Data Processing Machine to be installed next year.

What will the "705" do for Sandia Laboratory? It will handle many tedious repetitious, time consuming chores of a computing and record storing nature and will free some employees for other productive work requiring the human touch which no machine can supply.

The 705 will enlarge the scope of work at Sandia Laboratory and will probably necessitate adding some employees. Sandia is now hiring people who can prepare or "program" the vast amounts of information for the machine.

As automation becomes better understood it is being recognized as a sign of progress and advancement. Automation is a promise, not a threat.

Appear on Stage

"The Great Sebastians," current production of the Albuquerque Little Theatre, is demonstrating the acting talents of two more Sandians—Elwood Ingledue (1411-2) and Francis Scott, who is a retired Corporation employee.

Wins Science Honors

Carl Endres (1613) and his wife Marjorie (5125) are justly proud of their teen-age daughter. Fay won first place in the Wilson Junior High School Fair with her crystal system exhibit and now will show it at the State Science Fair in Socorro.

Win Bridge Trophies

Two trophies were won by Vera Reed (7412) at the Eighth Annual Southwest Sunland Section Bridge Tournament held in El Paso last month.



FAREWELL GIFTS were presented to E. W. Peirce, former Employee Services, Training and Public Relations Department Manager (3120), at an organizational party recently at the Coronado Club. R. B. Powell (3100) presents a portrait to Mr. Peirce who assumed new duties this week at the Western Electric Hawthorne Works.

Sandia Notes

Sandians Help Village Library



Organization of a public library at the village of Corrales, north of Albuquerque, has been occupying the spare time of two Sandia employees and the wives of two others.

Bess Streater (6000), Dorothy Harrington (7221) and the wives of Dan McCarthy (3151) and Rudy Sadler (1463-2) have all volunteered time and books.

Books in English or Spanish, except those extremely old or textbooks, are still needed by the library. Donations will be appreciated. The library is located next to the Corrales School and adjacent to the fire station.

Sandia men residing in the Corrales area are urged to participate in the recently organized volunteer fire force. A fire drill and instruction for each member in driving the fire truck is tentatively slated for this Sunday. Men interested may contact Corrales Fire Chief Paul Nutter, Jr., Alb. 4-4578, for further details.

Added Attraction

"Gorgeous George" is what the men at Bldg. 828 are calling Walter Drake

(5216). Walter showed up at work the other day with two "skunk locks." To the uninformed, that means a bleached streak of hair on each side of his head. Walter's wife

Opal is a beautician and they figured what looks attractive on women might enhance Walter's looks. (T. W. Taylor, 5216, took the photograph.)



Walter Drake

BABY SHOWERS aren't restricted to women—at least not in Bldg. 894 where the women in Receiving Inspection Division (2711) gave a surprise shower for Gordon Gaskill. Gordon couldn't have been more surprised, especially when he started opening the more than 25 presents. The Gaskills expect their first child this month.

Wedding

Wedding bells rang last Sunday for two Corporation employees.

Carol Coulter (7226) and Verle Swinney (8412) were married in an afternoon ceremony at the home of Carol's mother in Albuquerque.

Both are graduates of Albuquerque High School. Carol attended



Carol Swinney

Tennessee Temple College in Chattanooga and Verle attended the University of New Mexico before being employed here.

After a two week honeymoon in Arizona and Colorado they will make their home in Albuquerque.

Sympathy

To Irene Berger (2711) for the death of her mother in Albuquerque, March 16.

To Juan B. Gabaldon (2711) for the death of his sister in Belen, March 18.

To J. L. Hollenbeck (1614-3) for the death of his mother in Great Falls, Mont., March 18.

To Art Lawrence (1614-1) for the death of his mother in Bennington, Vt., March 17.

To Ray Garcia (1614-3) for the death of his mother in Roswell, March 1.

To Don Whittaker, AEC inspector, for the death of his wife in Albuquerque recently.

To Earl Shannon (5213) for the death of his wife in Albuquerque, March 24.

To J. E. McGovern (2320) for the death of his father in Greensburg, Pa., March 15.

To Harry E. Basey (4161) for the death of his mother in Kansas, March 27.

To John Archuleta (3122) for the death of his daughter in Albuquerque, March 27.

Congratulations

Born to:
Mr. and Mrs. F. B. Brumley (5223) a daughter, April Alinda, on March 18.

Mr. and Mrs. Ivan H. Gillett (7131) a son, Daniel Patrick, on March 15.

Mr. and Mrs. Joseph A. Gregory (7132) a daughter, Karan Maur-een, on March 15.

Mr. and Mrs. Tom C. Garcia (2711) a son, Thomas Nestor, on March 18.

Mr. and Mrs. E. M. Hodges (5531-1) a daughter, Beverly Jo, on March 18.

Mr. and Mrs. Gene Schuetz (1611-1) a daughter, Teresa Lynn, on March 17.

Mr. and Mrs. Clyde D. Babcock (2463) twins, a boy, David John, and a girl, Linda Ruth, on March 15.

Mr. and Mrs. Richard J. Mickey (2463) a son, Russell, on March 16.

Mr. and Mrs. F. F. McEwin (1225) a son, Fernie Frank III, on March 19.

Mr. and Mrs. J. B. House (1225) a daughter, Caroline Theresa, on March 21.

Mr. and Mrs. Matt J. Bustos (2232) a son, Matthew Gerald, on March 12.

Mr. and Mrs. Rudy L. Baca (7241) a son, Ricky Lee, on March 12.

Mr. and Mrs. Joseph Muench (1225) a daughter, Felicity Ann, on Feb. 27.

Mr. and Mrs. Lewis A. Faw (2552) a son, Mark Allan, on March 16.

Mr. and Mrs. M. D. Ozmun (7411) a daughter, Darlene Marie, on March 26.

Mr. and Mrs. Paul S. Hamilton (2154) a son, Marvin Allen, on March 14.

Mr. and Mrs. Victor J. Roh (1262-2) a daughter, Rebecca, on March 29.

Mr. and Mrs. George E. Mincks (2414-3) a son, Stephen Lee, on March 27.

Writes NSPE Article

"What the National Society of Professional Engineers Can Do for You," an article written by William V. Hereford, appeared in the February issue of The New Mexico Professional Engineer. Mr. Hereford is supervisor of the Data Reduction Division (5141) and a member of NSPE.

Bowling Champs

Sandia's Marty Baldwin (2553) and AEC's Mamie Burg were both members of the women's bowling team which won first place in the recently completed city tournament.

Daughter Is Stewardess

Vernon V. Pheils (7421) can see his daughter on only 20 minute visits these

days. His daughter, Darlene, recently finished her air hostess training in Denver and is now flying with Continental on a Houston - Dallas - Midland - Albuquerque route.

Darlene graduated from Highland High and worked at an airline ticket and reservation counter at the Albuquerque airport before taking her training.



Darlene Pheils

In Radio Ham's Contest

Cedric Senter (1451) accumulated a total of approximately 60,000 points in the recent worldwide Radio Amateur DX contest. This total—based on the number of countries worked and the number of amateur bands used—is expected to be high for the state.

To amass this point total, Cedric used 100 Watts to a 3-band, 3-element cubical quad type of antenna that he designed a year ago. His call letters are W5FJE.

Sandianotes

Rio Grande Expedition

Proving that boating on the Rio Grande can be fun, four Sandia men recently opened the season with an early spring run from Arroyo Hondo to the bridge on State Highway No. 96.

Ben Benjamin (5216), Wallace T. Smith (5215), Pat Patterson (5250) and Art Goris (1217) made the two-day trip in a six-man rubber raft. Leader of the expedition, Ben, has made several trips on other parts of the Rio.

Putting in at Dunn's bridge at 1:30 p.m. Saturday and spending a cold night camped beside the river, they emerged on State Highway 96 at 4 p.m. on Sunday.

According to the boatmen, only one portage around a rock slide was necessary on this trip. Several repair stops were necessary as the boat suffered extensive damage, but the trip could be made during spring runoff without as much difficulty from the sharp rocks.

The Sandia boatmen advise against attempting the run in a conventional rigid boat of any construction.

New Home

B. J. "Ben" Peterson (5223) and his family have moved into a new home at 1121 Espejo, NE.

New Son

William M. Bray (7113) and his wife have a new addition to their family—little David Hugh, born Feb. 19. The infant tipped the scales at 6 lbs. 11 oz.

Wins Area Speech Contest

Successfully downing six opponents recently in the Toastmasters Club Area Contest, Ron Hayenga (1441) next faces district competition in the nationwide speech contest sponsored by the Toastmasters organizations.

"If I Were a Millionaire" was the title of the speech that won Ron the area championship. In the District Contest scheduled May 4 in Albuquerque, Ron will face top speakers from all of the clubs in New Mexico and El Paso, Tex.

Ron was named "Speaker of the Year" by the Sandia Toastmasters Club 765.

Sick List

A speedy recovery is wished to James Holliday (2711).

Back at work in 2711 after recent illnesses are Paul Scates, Nyrah Marchant and Juan Gabaldon.



"LADS OF ENCHANTMENT" have just completed their Spring Show Season with performances in cities in Oklahoma, Iowa, Texas, Arizona and Colorado. Now the "Lads" will train for the regional quartet competition in Enid, Okla. in mid-May. Last year the quartet copped third place in the international competition. Members of the singing group are: L to R, Don Pitts (2543), Dan Aycock (2224), Carl Wright of Albuquerque, and Gilbert Wallace (2552).

Bowling Prexy

Re-elected recently to his third term as president of the Albuquerque Men's Bowling Association at a banquet was Roy Maxwell (2552).



Roy Maxwell

As president he will have approximately 4,000 sanctioned bowlers under his jurisdiction.

Roy was instrumental in sending 27 teams from Albuquerque to the National Tournament in Fort Worth this month.

TV Interview

Albuquerque Ski Club President Richard A. Kavet (2552) was interviewed on a TV show recently about his favorite interest—skiing, naturally.

Get-Well Wishes

Organization 2332 extends wishes for a speedy recovery to Jo Collins.

Play in Tournament

The "Bob's Drive In" team, consisting of Sandia Corporation men who bowl in the Sandia Major League, finished in fifth place in the recently concluded ABC Tournament. Thirty-two teams were entered.

Members of the team and their ABC score: Larry Estabrook (1472), scored 532; Loren File (2151), 498; "Tex" Arterburn (2151), 448; Max Urbanski (2151), 535, and Gordy Zahm (2153), 559.

Tech Writing Award

The Albuquerque branch of the Society of Technical Writers will award a cash prize to the University of New Mexico student in informative writing classes presenting the best example of technical writing. Judges for the contest will include members of the University faculty and Max Weber (5120).

Visit Grants Lava Beds

The New Mexico Mountain Club will be in Grants Sunday, Apr. 14, for a hike through the lava beds east of that city. Zelma Beisinger (5123) will lead the expedition. The club will look for pottery and try to find a reported hidden forest in the center of the lava beds.

Welcome Newcomers

March 18-29

Albuquerque	
Gregorita Abeyta	7225
Emma M. Benderman	2461
Lawrence P. Billmaier	5215
Barbara A. Bowden	2743
Norma P. Burns	2333
Mary L. Butler	1261
John A. Caldwell	2464
Bernadeen Cervantes	2471
Alex F. Chabrek	1472
Gordon Cheek	2234
Maurice L. Claunch	1613
John A. Cordial	1832
Robert A. Costales	2461
Eugene D. Cummings	2131
James L. Davis	2461
Alden J. Derby	2331
Charles L. Fitzgerald	2462
Florence I. Flynn	7221
Robert W. Galbraith	2131
Rogerio G. Gonzales	2419
Betty Gurule	7225
Dennis B. Hayes	2461
Bonnie Knight	7225
June R. Kuprius	2231
J. Archie Lackey	2464
Jacobo Mata	2419
Ellen A. Mendibles	2461
Julian J. Montoya	2461
Florence F. Moore	7225
Frank C. Moore	2419
John L. Nielson	1831
Keith S. Nottage	2711
Augustine Pohl	2419
Carol Ann Russell	2224
Frederick J. Sparber	1452
Elizabeth M. Stroud	7225
Sidney P. Timmings	1832
Joyce P. Wilford	1834
Dale P. Wire	1821
Connecticut	
David L. Field, Southport	5513
Delaware	
John Christian, New Castle	1613
Florida	
Alvar Anderson, Cocoa Beach	1611
David M. Shuford, Gainesville	1461
Kansas	
Edward E. Brass, Lawrence	4111
Louisiana	
Edgell C. Goodin, Bossier City	5524
Maryland	
Robert E. Jones, Jr., Edgewood	1422
New Jersey	
Richard J. Johnson, Wood-Ridge	7411
New Mexico	
Robert J. McMurry, Alamogordo	1216
Ohio	
George C. Wayland, Worthington	3152
Wisconsin	
Thomas S. Piffke, Wausau	2121
Douglas W. Pfaffl, Milwaukee	2722

Service Awards

Ten Year Awards



Lester J. Brasher
2222
April 7



Herbert I. Jewett
2124
April 10

Osborne Milton
1612
April 7

Five Year Awards

April 5-11
Robert S. Hooper 1611, S. A. Merriam, Jr. 7241, Harriet L. Evans 2461, Emilio T. Torres 2351, James Brandolino 2232, Anette J. Crays 4135, Edward B. Davis 2722, John H. Baker 5214.

Solomon Chavez 2412, Edwin H. Kerl 2221, L. E. Snodgrass 1631, Lorena C. Schneider 1831, Georgia L. Tiley 7311, Emily G. Young 5120, Loren D. Blakely 2221, John H. Franklin 2234, and Eugene S. Acton 7316.

April 12-18
Mary L. Valdez 7225, George F. Dickens 7132, Walter L. Hyde 5253, Wallace G. Smith 4152, Louis F. Narvaiz 4131, Helen M. Balistrere 4131, William White 4153.

G. H. Bruington, Jr. 1611, Ernest A. Krahl-ling 2113, James Dickie 2124, G. E. Cunningham 2232, Hardy V. Lewis 6021, J. J. Platt 5521, Davie B. Ray 7225, Audilio Barela 7241, W. E. Jungmeyer 5242, and Monica J. Tomczak 7225.

Two Year Certificates

April 5-11
Robert J. Leslie 7122, Irvin L. Gasser 5523, Edmond J. Holderman 1222, James L. Pennington 2462, Robert M. Petrone 7123, Paul L. Hansen 1442, Peter Borniak 1452, John L. Kay 7411, and Richard W. Koppel 7315.

April 12-18
L. W. Mecklenburg, Jr. 1222, James G. Hawley 5243, Muriel B. Milligan 7421, Helen A. Newbauer 7225, Robert L. Onan 1433, Allen B. Church 1463, Charles J. Mauck 1232, Lorna F. Peterson 7225.
Marian B. Schooley 2222, Charles E. Simpson 2464, Olan E. Thomas 1621, J. L. Weir-ick 3151, John N. Hansen 7411, and Betty J. Klith 7322.

AIIE to Elect Officers Apr. 15

Annual election of officers is scheduled for the Albuquerque Area Chapter of the American Institute of Industrial Engineers Monday, Apr. 15. The meeting will be held at 7:30 p.m. in the Hospitality Room of Southern Union Gas Co. at Eighth St. and Silver Ave. Al Kaping (2514), secretary, reports.

A movie, "Automation in TV," will also be shown.

Supervisory Appointments

NOBLE JOHNSON to supervisor of Employee Services, Benefits and Housing Division 3122.



During Noble's five years with Sandia Corporation he has dealt with all phases of personnel work, placement, and development.

Noble came to Albuquerque from Minnesota where he was 11 years with the U.S. Employment or Minnesota State Employment office in Duluth and Bemidji. He was the office manager at the time he left.

He was in personnel administration work during three years in the Army.

Noble attended the Duluth branch of the University of Minnesota for three years and majored in Business Administration.

WALTER R. ROSENBERG to manager of Administrative and Coordinating Dept. 2330.

He began work for Sandia Corporation in July, 1946, as an engineering assistant. In 1949 he transferred to what is now manufacturing engineering. Walter was promoted to supervisor of a program control division in 1950.

During World War II he served four years in the Marine Corps as a communications officer. Part of his duty was in the Pacific.

Walter has a BS degree from Oklahoma A&M and also studied Electrical Engineering at Harvard University.

He is a member of the American Ordnance Association and is a member of the executive board of the Albuquerque Citizens Committee.

B. GLENN PRENTICE to supervisor of Section 1282-3, Structural Analysis Division.



Glenn has been with the Corporation four and one-half years, mainly in a project division.

He previously worked three and one-half years as a stress analyst for Boeing Aircraft in Seattle.

Glenn has a Bachelor's degree in Mechanical Engineering from the University of Colorado at Boulder.

During World War II he served four and one-half years in the Army Air Corps as a pilot. Part of the time Glenn was in the Mediterranean Theater.

He is a member of Pi Tau Sigma, Mechanical Engineering honorary, the American Society of Mechanical Engineers and is a registered professional engineer in New Mexico.

ASME Will Hear Electronic Organ Discussed Apr. 17

The New Mexico Section of the American Society of Mechanical Engineers will meet Wednesday, Apr. 17, according to Gene Gardner (2154), publicity chairman.

Howard Bauer, Chief Organ Designer, Wurlitzer Co., Chicago, will discuss the design of an electronic organ with particular emphasis on mechanical design problems and associated manufacturing problems with regard to tone control and keyboard touch.

Mr. Bauer will demonstrate his talk with models. The meeting will begin at 7:30 p.m. in Rm. 122 of the Geology Bldg., University of New Mexico.

FRANCIS X. VOGEL to supervisor of Administrative Services Section 2442-2, Plant Inspection Division.



Francis has been with the Corporation nearly six years in auditing, cost accounting and program results.

Previously, since 1945, he operated his own business in Bradford, Pa., as a public accountant.

He also taught accounting for two years at St. Bonaventure College in Ilean, N. Y. after obtaining a Bachelor's degree in Business Science there.

Francis served in the Air Force from 1941-45 as a radio operator and gunner.

SAMUEL ALLEN to supervisor of Chicago Area 2713-2, Field Inspection Division.

"Sam" started to work for Sandia six years ago. He has been a field engineer in 2713 since 1953 and during that time has covered most areas of field inspection in the U.S.

He came to Sandia from Beech Mercury Co. in Florida where he worked as a mechanic for three years.

Sam previously had seven years in the field of inspection and maintenance of heavy equipment for the City of Los Angeles, at Lockheed Aircraft Corporation in Glendale, Calif., and at Lockheed Overseas Corporation in England.

Sam studied diesel engineering, blueprints, and aircraft mechanics at trade schools and electronics at the National Radio Institute.

GUY H. WELSH to Mechanical Subcontracting Buyer, 2323.

During six and one-half years at Sandia, Guy spent his first two years in expediting and the remainder as an assistant buyer.

He was previously one and a half years with George Koch & Sons, industrial equipment manufacturers in Evansville, Ind., as an assistant coordinating engineer.

He served three years with the Army during World War II and was with units in North Africa, France and Germany. He stayed on in Germany for two years with the War Department as administrative assistant to the director of supplies for a base depot.

Prior to Army duty, Guy was manager of material and labor control for International Steel Co. in Evansville for more than two years.

He studied Business Administration at the University of New Mexico.

AEC General Advisory Subcommittee Meets At Sandia Laboratory

The Weapons Subcommittee of the Atomic Energy Commission's General Advisory Committee met at Sandia Corporation Wednesday.

Members present were Dr. J. B. Fisk, executive vice-president, Bell Telephone Laboratories, and Dr. Edward Teller, University of California Radiation Laboratory at Berkeley. Mrs. Jane Hall of Los Alamos Scientific Laboratory, is secretary to the group and attended the meeting.

Unable to attend the meeting was the other member of the Subcommittee, Robert Wilson of Standard Oil Company.

Suggestions Offered for Better 'Phone Personality'

Courtesy Key To Effective Conversation

Pictures on this page illustrate some of the most commonly violated rules of telephone courtesy. Thousands of hours of employee time are spent annually transacting business on the telephone; hence these rules are important to everyone.

There are 3,358 telephones in Sandia Laboratory, including the AEC Sandia Area Office of ALO. Through the Base Signal Office these phones connect directly to exchanges for Sandia Base, Kirtland Field, the West Lab, and all Albuquerque exchanges.

The telephone offers a method of transferring and receiving information instantly. It saves many hours of legwork. Some of our jobs demand constant telephone use. Proper courtesy exercised by all employees can make these innumerable calls pleasant and profitable.

Other important rules of telephone courtesy not illustrated are as follows:

1. Plan your conversation. Much time can be saved if you have organized the things you want to say.
2. Allow time for the called party to answer. Don't dial, let the phone ring two or three times and then hang up.
3. Wait for the dial tone before dialing.
4. Ask if it's convenient for the called party to talk if you are planning a long conversation. Be tactful.
5. Speak clearly and directly into the mouthpiece. Talk in normal tones with the lips about one-half inch from the mouthpiece.
6. Give your name, department or telephone number or a combination of these when answering a call. Example: "Gladstone, Purchasing Department."
7. When answering another person's telephone, give both his name and yours: "Mr. Jackson's phone, Black speaking."
8. When leaving a message include your extension for the convenience of the person who will return the call.
9. If you are not sure of a number, look it up before you dial. Keep a personal list of often used numbers. Call the locator only when you can't find the number.
10. Keep a pad and pencil handy. Having to look for them during a telephone conversation wastes time. Keeping notes avoids mistakes and confusion, so have a pad and pencil by your telephone.
11. It is good telephone courtesy to answer your own telephone if at all possible. Only if you are not able to do so, such as an instance when you are in a meeting, it is considered appropriate for you to not answer your own telephone. The practice of not answering your own telephone is also a great waste of time for other people.
12. A note to secretaries: when you answer the telephone and the call is for your supervisor get the call to him immediately without asking "who is calling?" The practice is impolite, serves no real purpose and is also another great time waster.

BE PLEASANT—"I don't care what your boss says, I need those figures now!" The idea is that you catch more flies with sugar than vinegar. It's only common courtesy and good sense to have a pleasant personality. (Posed by Jack Hanna, 7218.)



BOMBS AWAY—Hang up gently. He thinks the phone is directly above its cradle but the fellow on the other end will soon know differently. When a telephone conversation has ended replace the instrument carefully—No need to wreck an eardrum or break a desk cover. (Posed by Bill Meyer, 2521.)



RECORD MESSAGES promptly and properly. He was so busy that he didn't take down the number the man at the next desk was to call on his return. Now he has to waste valuable time looking in the phone directory for the number. (Posed by Carmel Mares, 7241-4.)



SPEAK DISTINCTLY — This man has a habit of speaking with his hand over his mouth and the phone several inches from his face. This is no help to the person on the other end of the line who hasn't heard a word the mumbler said. (Posed by Ramon Lamberson, 7241-1.)



END CALL PROMPTLY—She's finished the business at hand but now she wants the full story and all the details about Cousin Harry's recent illness. Half an hour from now she will still be on the phone and her boss will miss an important call. (Posed by Billie Blanchard, 7225.)



PIPESMOKERS, gum chewers, and people who eat while speaking on the telephone all present the same problem—their speech is not clear, misunderstandings occur and they get annoying to their listener who has to keep asking, "What was that, what did you say?" (Posed by Bernard Bueffel, 1411.)



INTERRUPTIONS during a telephone conversation can sometimes be lengthy. The important thing to remember is the party on the other end of the line—don't forget him as you get involved in talk with your drop-in office visitor. (Posed by Marillyn Mansour, 7411-3, left, and Koni Malenfant, 7411 - 3.)



SHOUTING doesn't make you popular. Respect the eardrum of the other fellow. Using a loud voice isn't necessary on the telephone. A modulated speaking tone will carry better than loud tones which tend to be distorted—and it's much more pleasant. (Posed by Joe Calek, 3124.)



DIAL CORRECTLY—He is so comfortable he uses a pencil and stretches to reach the dial. Sure enough, it's a wrong number. Take time to dial correctly or you will only be wasting time for another needlessly. (Posed by Louis K. Stam, Jr., 1245.)



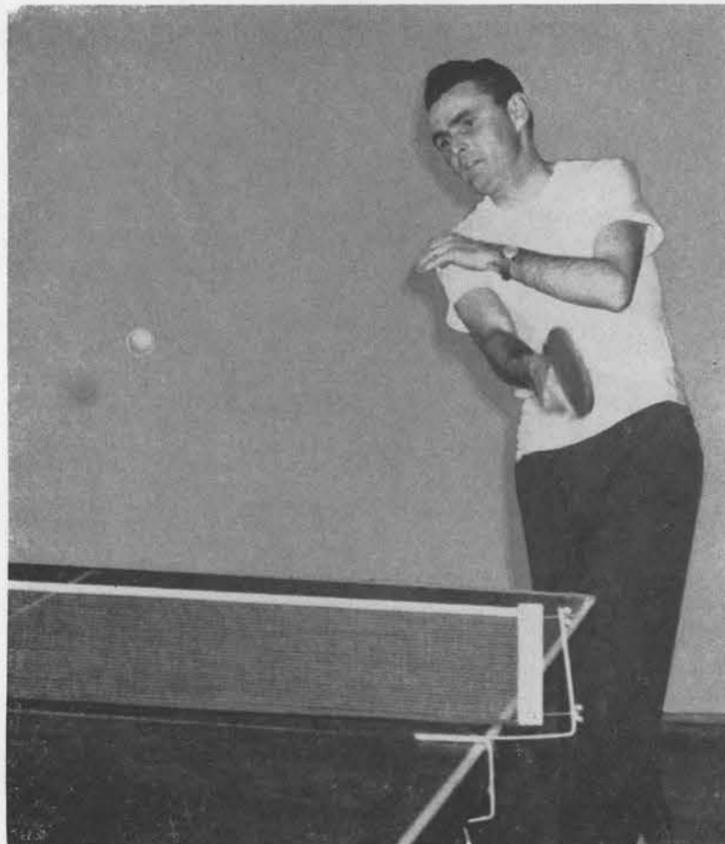
ANSWER PROMPTLY — This exciting scene with a new engagement ring is too interesting to be interrupted by a ringing telephone so she just lifts it off the cradle to keep it quiet. Any moment the caller will leave. (Posed by Bonnie Boling, 3152, left, & Arletta Gentile, 3152-1.)



LISTEN WITH INTEREST—It's close to 5 o'clock and this girl wishes her caller would hurry up and finish his call. Tomorrow morning it will be a different story when she tries to remember the information she didn't write down. (Posed by Margaret De Moss, 2461-3.)



IDENTIFY YOURSELF—Much confusion is averted by telling the other party immediately who you are. Business can be transacted more quickly if you're dealing with the right person. Identify yourself promptly when calling or answering. (Posed by Jack Stein, 1463-2.)



SINGLES CHAMP of the Sandia Employees Ping Pong Tournament is Tom Kelly (2551) shown here exhibiting the wicked slice that won him four straight games from Larry Woolrich (1612).

Tom Kelly Wins Four Straight for Ping Pong Title

Tom Kelly (2551) is the singles champion of the Sandia Employees Ping Pong Tournament. He defeated Larry Woolrich (1612) four straight games in final playoffs held last week.

In reaching the finals Tom defeated George Banos (4152), Roy Dell (7412), and Grover Hughes (1215). Larry defeated Bob Christopher (5522), Jack Deveneau (2331) and Don Gregson (7113).

About 125 spectators gathered to watch the finals held in the northeast corner of Bldg. 892 during the noon hour. During the playoffs large crowds were in continual attendance.



PRESENTING TROPHIES to the 7200 organization ping pong tournament winners, C. W. Campbell (7200) congratulates Jack Chavez (7242-2), singles champ, and Frank Comiskey (7242-2) who with Jack Chavez won the 7200 doubles tournament.

Sandia Softballers Will Organize at Wednesday Meeting

First organizational meeting to get the 1957 Sandia Corporation Employees Softball Association rolling will be held Wednesday, April 10. Officials will be elected and plans made to start league play on May 1.

The play will again be organized by superintendencies with the emphasis on participation and relaxation for as many Corporation employees as possible. Employee Services (3122) reports that new equipment for softball has been ordered and that the Sandia Base Military is readying the softball diamonds.

Plastic Design for Steel Meeting Scheduled for Albuquerque Apr. 12

A one-day conference on "Aspects of Plastic Design for Steel and Its Alloys" is scheduled to be held at the University of New Mexico Friday, Apr. 12.

Open to anyone interested in steel and alloys design, the conference is sponsored by the American Institute of Architects, American Society of Civil Engineers,

Army Corps of Engineers and the American Institute of Steel Construction.

Walter Scott (2441), who participated in the planning of the conference program, reports that the program will feature six nationwide authorities in the field. Maj. Gen. John S. Bragdom, special assistant for planning of the President of the United States, will discuss "Comprehensive Public Works Planning."

The conference will be held in the ballroom of the Student Union Building. Registration will begin at 8 a.m.

State Voters to Elect Congressman April 9

New Mexicans will go to the polls next Tuesday to elect a successor to the late U. S. Representative Antonio Sanchez.

To be eligible to vote, residents must have been registered before March 11.

Voters are urged to watch the daily newspapers or check with the County Clerk's Office, telephone Alb. 7-0113 or Employee Services, ext. 26149, for location of their polling place as it may not be the same as during the Presidential election last fall or even the same as last year's school bond election.

There will be at least one voting place in each precinct and division and it will be open from 8 a.m. to 7 p.m. Voting machines will list the name of Tom Bolack (R.) first and Joseph Montoya (D.) second.

There will be no other issues to be decided.

Coronado Club Dance Classes Start Apr. 8

New classes in ballroom dancing for Coronado Club members will begin Apr. 8 at the club, it was announced by Gail Ward (2463), dance instructor.

Courses in the basic dances, waltz, fox trot, rumba and tango, will be offered in the beginners class to be held each Monday night from 7 to 8:30 p.m. Advance dance instruction follows from 8:30 to 10 p.m.

Both courses run for 10 weeks. Tuition for each is \$6 a person. Gail's wife, Jennifer, will assist him in teaching the classes.

Interested members may register at the Coronado Club office.

Four IRE Groups Schedule Meetings

Four Professional Groups of the Institute of Radio Engineers will be meeting in the next two weeks, John McLay (1455), group co-ordinator, reports.

Information Theory

The PGIT will meet Tuesday, Apr. 11, at 8 p.m. in Rm. 217 of the Electrical Engineering Building, University of New Mexico. Program will be announced.

Telemetry, Remote Control

The PGTRC will meet Tuesday, Apr. 16, at 8 p.m. at Person Station generating plant of the Public Service Co. of New Mexico. The group will inspect and tour the plant. It is located about five miles south on Broadway.

PGAP-PGMMT

A joint meeting of the Professional Groups on Antennas and Propagation and Microwave Theory and Techniques will be held Wednesday, Apr. 17.

"Resolution of Radar Ground Return into Specular and Scatter Components" will be discussed by Dr. R. K. Moore, head of the UNM Electrical Engineering Department and Sandia Consultant.

The meeting will begin at 8 p.m. in the Student Lounge of the EE Bldg., UNM.

Les Elgart Plays At Coronado Club Sunday Evening

Les Elgart and his famed dance band will appear at the Coronado Club Sunday for four pleasure-packed hours of dancing. Admission to the dance, which begins at 8 p.m., is \$2.00 for members, \$3.00 plus tax for guests.

The Elgart dance is one of three dances scheduled at the club in the next two weeks. Paul Muench and his popular group will play for an informal dance tomorrow night from 9 to 1, and the MBC Trio will play next Saturday from 9 to 1. Admission for each dance is 50c for members, \$1 plus tax for guests.

The J. Wilson Trio will play for the social hour Friday, Apr. 12.

Two Movies Scheduled For Wednesday Noon Shows

The Wednesday noon movie schedule for the next two weeks will feature "The Littlest Giant" on April 10 and "The Second Hundred Years" on April 17.

The movies are shown in conference room B-4, basement of Bldg. 802, and are free. The program lasts 30 to 40 minutes and starts at 12:10.



WHO LOST THE WATCH? This man's Delgard wrist watch with a black suede strap was turned in to the Corporation's Lost and Found desk last Dec. 6. The owner may identify it by calling Roseanne Bascom, who displays the watch here, at Employee Services, ext. 2-6149.

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CLASSIFIED ADVERTISING

Deadline: Friday noon prior to week of publication.

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Corporation and AEC employees only
6. No commercial ads, please
7. Include name and organization.

Next Deadline: Noon, Apr. 12.

FOR SALE

GOLF EQUIPMENT, 8 irons incl. putter, 3 woods, bag, 6 balls, all \$37.50. Schorr Alb. 5-7234.

SOFA BED, grey frieze, \$25. Giles, 7716 McKnight NE, Alb. 9-3119.

'49 CHRYSLER CONVERTIBLE, clean good power top, RH, automatic transmission. Davidson, Alb. 9-4949.

FOLDING ACCORDION DOOR, 8x8, \$50; Electrolux floor waxer/polisher attachment, \$12; electric coffee grinder, \$6; heavy duty kerosene heater, \$45. Shunmy, Alb. 9-2787.

ONE ACRE LOT, Tranquillo Pines, choice location, \$800. Heaston, Ext. 33247.

3 BR HOUSE, den, 1 1/2 bath, garage, lawn, sprinklers, walled yard, patio, air conditioned, near buses, schools. McNamara, Alb. 6-5783.

FARMALL, LOBOY CUB. Plow, blade and tool bar, will finance. Sanchez, 2525 Zearing Ave, Alb. 3-1470.

TELEVISION, 21" GE, blonde oak, looks like console, glass top, on casters. \$100. Gambill, Alb. 6-0547 or Ext. 25145.

AIR CONDITIONER, evaporative cooler, 3500 CFM, recirculating pump, window duct, directional air control, 1956 model used three months, \$97.50. Pauling, Ext. 46196.

'53 FORD VICTORIA, Radio, heater, fordomatic, clean. Schuknecht, Ext. 52136 or Alb. 43501.

DESK, single pedestal office type, solid oak, light finish, extra shelves for storage, typewriter, ideal for student, \$25. Couden, Ext. 31236.

'54 CHEVROLET 4 door Sedan, white side-walls, R&H, Mora, Alb. 2-4806 after 5:30.

SNOW HOME, 3 bedroom and den, 1 1/2 baths, attached double garage, corner lot, lawn front and back, wall. Carpenter, Alb. 9-3519.

WASHING MACHINE, Bendix, \$50. Gonzales, Alb. 2-4012.

BEAGLE, male, paper, shots, 6 mos; Couch, matching chair covered, reasonable. Pilot, Alb. 6-9376.

HAWAIIAN GUITAR w/amplifier, \$50. Braaks, Alb. 5-8264.

'49 JEEPSTER, new paint, whitewall tires, curtains, battery, '54 motor, \$495. Alboche, 7315 Fairchild SE, (Wherry) Alb. 6-4703 after 5.

'47 STUDEBAKER CHAMPION, 19,000 miles on new motor, new paint, brakes, RHO, \$175. Gay, 1845 Georgia St. NE, Alb. 5-0402.

THE BOOK OF KNOWLEDGE, 18 volumes; 120 Base Accordion, 4 changes, like new. Pheils, Alb. 5-3137 after 6 p.m.

'52 ALLSTATE 3 HP SCOOTER, new ring and valve overhaul, \$95. Denish, Alb. 6-1559.

'56 CUSHMAN SCOOTER, Ouellette, 7605 Euclid Ave. NE.

POLAROID CAMERA & flash attachment model 95, \$60. Ladig, Alb. 9-3308.

CLARINET, B flat, black ebonite, nickel silver keys w/case, used 2 months, \$100. Bureta, Alb. 6-1833.

'49 DODGE, 1 ton stake, 4 speed transmission, good motor, tires, heater. Lopez, Alb. 4-3089.

CEMETERY LOT in Sunset Memorial Park, perpetual care, \$100. Terms. Walters, 2039 Donna Street, N., Las Vegas Nevada.

'53 FORD V-8, mainliner, \$695. Hinrichs, Ext. 26134.

WRINGER WASHER, Maytag, square, aluminum tub, \$85 or best offer. Burton, Alb. 6-8017 after 6 p.m.

SCREEN DOORS, complete, one 36x80, two 30x80, \$3 each. Single maple bed, springs, \$5. \$130. Corney, Alb. NE, Alb. 9-5720.

'53 FORD CONVERTIBLE, V-8, RHO, low mileage, will accept trade, make offer. Elliott, 4809 Madison NE, Alb. 6-7909.

35 MM NIKKOR (Leica Type) w/50mm F.2 Nikkor, 100 mm, F4 Serenar, case accessories, etc. \$130. Corney, Alb. 5-1490.

3 BR BRICK HOUSE, \$4,000 down, 1 1/2 baths, hardwood floors, cooler, sprinklers, walled, landscaped, screened patio. Cox, Alb. 9-0480 after 4 p.m.

CHILDCRAFT, complete 12 volume set, \$25. Adams, Alb. 6-7265.

ASTRONOMICAL TELESCOPE, Unitron 2.4", Equatorial mounting, with all Unitron accessories plus camera and setting circles, \$165. Farley, Alb. 9-0752.

PRESTIGE SILVERPLATE, 6 place settings, \$50. Dyke, Alb. 5-9168.

TYPEWRITER, Underwood No. 8, Upright model, \$20. Leopold, Alb. 6-9622.

'55 CHEVROLET, 2 dr. Sta. Wag. RHO, 23,000 miles, 6 cyl. \$1550. Ross, Alb. 9-1526.

HEALTHY KITTENS, angora-type, ready for good homes about April 1, Bell, Alb. 6-4064.

WASHING MACHINE, Easy spin dryer, will sell cheap. Brown, 8006 Morrow Rd. NE, Alb. 9-1686.

PERFECT FORMAL, size 10, used once, cost \$35, will sell for 20. Persson, Alb. 5-5038.

SCOOTER, Cushman type, reconditioned 2 HP B&S engine, 3 speed transmission w/clutch, generator and excellent tires, all for \$50. Rohrer, Alb. 9-1277.

MARCHING DRUM w/straps and two pair of drumsticks, also two wheeled trailer, Whiteman, Alb. 9-0563.

SNARE DRUM, Tyson, Alb. 5-9093 before 10 a.m.

ARTIC CIRCLE COOLER, 4000 CFM, new, w/circulating pump, two speed motor, Delta jointer mounted on stand, motorized. Masak, Alb. 9-2610.

WINDOW FAN, 3-speed Vornado, reversible, \$25. Sargent, Alb. 9-0427.

ALUMINUM VALVE COVERS, for 1954,55 or 56 Ford, \$30 or best offer. DeBaca, Ext. 48163.

NORGE GAS STOVE, Frigidaire, \$30 each. Apodaca, 711 Budnes Rd, evenings or weekends.

HOLLYWOOD BED w/red leather headboard, radio built inside, \$50. Stromberg-Carlson portable leather case, \$25; radio-phonograph mahogany cabinet, \$20. Matheny, Alb. 9-2196.

TELEVISION, 21 inch Westinghouse, \$35. Mancuso, Alb. 9-4279 after 5:30 p.m.

'55 2 TON TRUCK, low mileage, will trade or sell cheap; Gonzales, Alb. 3-0124 after 5:30 p.m.

LULLABY BIRCH CRIB, both sides drop, 4 position springs, Kanwet mattress, \$30. Flanigan, Alb. 9-0049.

ENCYCLOPEDIA AMERICANA, 30 volumes, '56 edition, includes sets of Popular Science, Lands and People, w/bookcase. Dishman, 300 Gen. Bradley NE after 5:30.

DRAPERIES, two pair, lined, Floral, 144x58, 96x58 and two clothesline posts. Goen, Alb. 6-6385.

'53 OLDSMOBILE, Super 88 hardtop, one owner, RHH, PB, good WSW, custom seat covers, additional accessories, new battery. Stark, Alb. 8-6874.

VACUUM CLEANER, Hoover, tank type, \$30. Hickerson, Alb. 9-0672.

'53 DODGE V-8 hardtop, gyromatic transmission, RH, whitewall tubeless tires, very clean, original owner, and miles, reasonable. Strascina, Ext. 48181.

LINED DRAPES, 2 pair, modern black pattern w/8 ft. coral covered cornice board. Jordan, Alb. 5-4832.

STEEL LUGGAGE CARRIER for car top, tailor made canvas cover, almost new, \$12.50. White, Alb. 5-8491.

LOST AND FOUND

LOST—GOLD BRACELET, snap cuff link, gold cuff link, man's Bulova watch, cream color glove, silver cigaret lighter from France. LOST AND FOUND, Ext. 26149.

FOUND—PEARL EARRINGS, gold chain earrings, drafting ruler, dancing girl scarf, lady's black gloves. LOST AND FOUND, Ext. 26149.

WANTED

TO TRADE double roll-a-way for studio couch. Quelle, Alb. 6-2524.

FM TUNER, 30-40 MEG, or converter. Johnson, Alb. 9-1953.

TO CARE FOR child in my home, 1417 Glorieta NE, Martinelli, Alb. 9-2518.

GERMAN LUGER PISTOL, will pay cash. Smitha, 8607 Menaul, NE, Alb. 9-1096.

BABY SITTING in my home at 2917 Son Mateo NE, Russell, Alb. 6-5662.

TO TRADE OUTBOARD MOTOR, (Johnson) 5 1/2 H. P. new, and separate gas tank, trade for garden tractor. Olive, Alb. 4-0645.

FOR RENT

VACATION TRAILER, 15', Aljo, by day, week, or month. Nelson, Alb. 6-6300.

1 BR APARTMENT w/kitchen and bath \$50/mo. Scott, 2217 Indian School Rd. NW, Alb. 2-2387.

2 BR HOUSE in North Valley w/w rugs, unfurnished \$65/mo. Gabaldon Alb. 4-0286.



R. E. Glass and Harold O. Jeske
—read papers at IRE Telemetry Symposium—

R. E. Glass, H. O. Jeske Will Read Papers at IRE Session

Two Sandians — Raymond E. Glass and Harold O. Jeske—will read technical papers at the Institute of Radio Engineers National Symposium on Telemetering in Philadelphia, Pa., Apr. 14-16. The Symposium is sponsored by the Professional Group on Telemetry and Remote Control.

Both papers tell some of the unclassified aspects of work the men have performed in Sandia Corporation's Telemetering Systems Division (5223). "A Wide-Band Microwave Link for Telemetering" is the title of Mr. Glass' paper and "Extension of FM/FM Capabilities" will be read by Mr. Jeske.

Mr. Glass has been employed at Sandia since 1949. Previously he was with the Glenn L. Martin Aircraft Co. at Baltimore, Md., as a Senior Development Engineer.

He graduated from Texas Technological College in 1940 with a

BS degree in Electrical Engineering. He earned his MS in 1942 from Illinois Institute of Technology. He is currently working toward a doctorate from the University of New Mexico.

Mr. Glass is a member of IRE, the American Institute of Electrical Engineers and Tau Beta Pi, Engineering honorary.

Mr. Jeske has been employed by Sandia Corporation since 1951. Previously he was an Electrical Engineering instructor at UNM for two years. He graduated from Oklahoma A & M in 1943 with a BS in Electrical Engineering. After a stint with the Bureau of Ships, Aircraft Radio Section, in Washington, D. C., and a year in the Air Force Communications Service, he returned to Oklahoma A&M and earned his MS degree in 1949.

He taught Electrical Engineering at A&M two years prior to accepting a position with UNM.

Observer Program Allowing Sandians to See Plumbbob

A limited number of Sandia Corporation employees will be allowed to observe tests conducted during Operation Plumbbob as "casual observers" on their own time. Time off will be charged to vacation or leave without pay, subject to normal absence approvals.

The Employee Observer Program, coordinated by the AEC, will be similar to those arranged during previous full-scale operations at the Nevada Test Site. There will be no "official observer" program this time. The series will start about May 15.

Interested employees must have a "Q" security clearance and must arrange for their own transportation to and from Mercury, Nev. At Las Vegas, Nev., observers must check with the AEC Visitors' Bureau at 1235 South Main St. to verify the time of tests. Only those employees for whom clearance verification has been received will be permitted to see a test. The Visitors' Bureau will also arrange for transportation from Mercury to the test area.

A limited number of "hutment-type" quarters at Mercury, for male employees only, will be assigned on a priority basis at 50 cents per day at the request of the sponsoring agency. Women employees and members of employee observers' families should plan to stay in Las Vegas. Non-employees will not be permitted to go to the forward area.

Observers are warned that weather and other factors may delay a particular shot for an extended period. When long delays are anticipated the Test Manager may terminate the Observer Program on the third day following the scheduled shot date.

Interested employees should submit their names, along with approximate dates during which they would like to visit Nevada, to their division supervisors by April 8. Before departing for Nevada employees must also obtain a permit from the Public Relations Division (3125) to assure that security clearance data has been previously furnished and that a test is in prospect for the period of the visit. Lists of tentative dates for tests will be furnished superintendents at a later date.

Numerous Changes Bringing New Look to Coronado Club

The Coronado Club is taking on a new look as a general renovation and improvement program, initiated by the club's board of directors, nears completion.

Major improvements include the enlargement of the club patio by extending it 30 feet to the west and the purchase of new patio furniture, including gliders, aluminum chairs, hammocks and chaise longues.

A children's play area has been constructed in the northwest corner of the patio. It features two climbing fences, a teeter-totter, a slide and a sand pile. Also for children, a safety fence has been installed around the children's pool.

For the swimmers, new basket racks have been installed in the men's and women's locker rooms, providing additional clothing stor-

Scientists, Engineers May Get Experience In AEC Labs, Plants

Privately employed nuclear scientists and engineers may obtain specialized work experience in AEC laboratories and plants as an aid to development and use of atomic energy for peaceful purposes, under a recently enlarged AEC program.

In the case of Sandia Corporation and other facilities engaged primarily in military applications, such individuals will be accepted only when they possess specialized abilities and knowledge which would contribute significantly to existing projects.

Under the program scientists and engineers will apply previous training and experience in nuclear technology directly to specific projects, making possible expanded peaceful applications and increased industrial participation. Until a diversified private industry is developed, much of the necessary training and experience can be obtained only in Commission facilities.

The scientists and engineers will continue to be paid by the firms employing them during assignment to Commission laboratories and plants. Appropriate AEC security clearance must be obtained.

Michnovicz Talks At Photo Session In Washington

J. J. "Mike" Michnovicz, Photo and Reproduction Division Supervisor (2462),



Mike Michnovicz

addressed a convention of the Photography Association of America in Washington, D.C., last week. Title of his talk was "Hiring and Training of Personnel for Industrial Photography."

The convention was held in conjunction with the International Photographic Exposition. A display of industrial photography by Sandia Corporation's Photo Section (2462-1) was shown at the Exposition.

Mike discussed the personnel policies of Sandia Corporation as utilized by the Photographic and Reproduction Division. His talks included suggestions for interviewing, selecting and training of new personnel.

He emphasized a continuous training program for employees and supervisor-employee relations that promote job security, satisfaction, recognition and employee promotion. His remarks were directed to the Industrial Photography Section of the PAA.

Articles Written by Sandian About World Oil Problems

Two articles on world petroleum reserves and the Middle East oil problem by H. W. Benischek (3151-1) have appeared in recent issues of the New Mexico Professional Engineer.

Mr. Benischek, formerly head of the Petroleum Engineering Department of the University of Oklahoma, discussed "Petroleum Reserve Estimating" in the November issue and "The Middle East Oil Problem" in the March issue of the magazine.

Methods of determining oil reserves are outlined and information on estimated reserves is given. The Middle East, according to the author, has 70 per cent of the world's oil reserves and the United States has 17 per cent. He tells of Middle East oil production problems and how the Suez Canal situation has had a profound effect on the planning of the United States and foreign oil companies. The U.S. imports eight per cent of the daily oil production of the Middle East.

As the Sandia Corporation coordinator of college recruiting, Mr. Benischek still retains an active interest in the petroleum industry. He began employment at Sandia in 1955 after moving to Albuquerque for family health reasons.

He was a visiting professor at Texas Technological College at Lubbock for one year prior to joining the Corporation. He was with Oklahoma University for seven years.

Previously he had been employed by The Texas Co. as assistant division engineer with headquarters



H. W. Benischek (3151)
—"the Middle East Oil Problem"—

at Fort Worth, Tex. His field work took him through the oil fields of Oklahoma, Texas, California and New Mexico and his duties included petroleum property evaluation, drilling and completion of wells, production forecasting and budget preparations.

He was employed with Convair Aircraft Corporation as assistant equipment engineer in Fort Worth from 1942-45. He graduated from the University of New Mexico with a BS in mechanical engineering in 1937 and took graduate work at the University of Oklahoma.

As an educator Mr. Benischek earned the Industrial Professor Award for his contributions to industry in the form of trained engineers and technical personnel. At Sandia, Mr. Benischek is continuing this service. Corporation recruiters under his direction visit college campuses in the United States. Each year, he returns to Oklahoma University and Oklahoma A&M as a recruiter and has achieved an outstanding record of hiring young engineers for Sandia Corporation.

Ten Sandians Counsel High School Students On Career Day Program

Ten Sandians counselled students of Valley High School during Career Day activities of the school this week. E. R. Lee, Valley High School Counsellor, issued the invitation.

Participating on the program and the topics discussed were: D. F. Finocchio (1463), Chemical Engineering; F. F. Eichert (7410), Drafting; R. A. Hayenga (1441-1), Electrical Engineering; P. F. Meigs (1264), Industrial Design; D. R. Morrison (5121), Mathematics.

E. K. Gardner (2154), Metallurgy; T. B. Cook, Jr. (5111) and S. C. Hight (5100), Physics and Research; Kay Sadler (7225-7) and Jean Gillette (3124), Secretarial.

The program was similar to the Career Day activities of Highland High School held Mar. 29 in which 16 Sandians participated.

Five Sandians Elected Officers of Sandia Toastmasters Club

Newly elected officers of the Sandia Toastmasters Club 765 include five Sandians. Jerry Williams (1444) is executive vice-president and Bob Nelson (7421) is educational vice president. Other officers are: Bill May (2111) secretary, Ken Sutton (3152) treasurer, and Rudy Baca (7241) Sgt.-at-Arms. Wayne Keyes, USN, is president.

any way you look at it...

SECURITY BEGINS WHERE YOU WORK

