

JAMES W. McRAE, president of Sandia Corporation, is shown here delivering the Phi Beta Kappa address at commencement exercises at Hobart and William Smith Colleges in Geneva, N. Y. Watching (L to R) are the Rev. Louis M. Hirshon, college presidents, and trustees William Hamilton, Merle Gulick, Ceburn Lee.

'No Easy Peace in Our Time,' J. W. McRae Tells Graduates

America faces a threat of military disaster without parallel in history and there is no prospect for an easy peace in our time, James W. McRae, Sandia Corporation President, told graduates of Hobart and William Smith Colleges at their commencement exercises in Geneva, N. Y., June 15.

Dr. McRae told the graduates to give up any dreams they might have had of 3-day or 4-day work weeks of the future because the military, scientific, and industrial problems America faces cannot be conquered on a 3-day work week.

"Indeed, someone else will be working full time to keep us from winning the race," Dr. McRae said. "The Soviets have challenged us by their hard working progress. If we do not respond, if we do not believe our survival is worth hard work, then we may well ask, 'do we deserve to survive?'"

Sandia Corporation's President was the Phi Beta Kappa speaker at the Hobart-William Smith exercises and following his address received the honorary degree Doctor of Science (Sc.D). He received his honorary degree from the Rev. Dr. Louis M. Hirshon, president of the colleges.

In the citation which accompanied the degree, President Hirshon said, "You have facilitated and improved the processes of communication as your life's work. And work of unusual excellence it has been. Moreover, you have served learning well and achieved her doctorate in philosophy. You have served your Country's cause well as a senior military officer and have won a place in the Legion of Merit.

"Your professional fellows have made you their president. Let these accolades be joined by one of our choosing and receive the Doctorate in Science, honoris causa, of these Colleges, by grant of the Board of Trustees."

In his address Dr. McRae

warned the graduates that America's great defenses of the past, the separation of America from the rest of the world by the great span of the oceans and America's industrial might, no longer affords security.

The first has been eliminated by nuclear bombs and long distance bombers and missiles, and the second is being challenged by Russia's scientific, technical and industrial progress. America's security against the "Big War" today, he told graduates, now lies in the capability of massive and terrible retaliation, should we be attacked. That capability is being developed, he said, but there is another military problem not so well understood.

"The United States must learn how to conduct a limited war," he said. "There will come a time in the future, as in the past, when the chips are down—when further talk will be mere surrender—and when some military force is needed.

"Expecting such a time, we must assemble special military forces and armament and be able to bring them to bear, quickly, at any point on the globe." The use of small yield nuclear weapons in such situations might bring an end to conflicts before a big war develops, Mr. McRae believes.

"There is no place here," he continued, "for the concept of unconditional surrender but there is a place for full cooperation and coordination between diplomatic and military forces.

"Hard work will be necessary," he said, "to support our coming greater population, to maintain an effective retaliatory force as a 'Big War' deterrent, to develop and maintain a world-wide military force for unavoidable limited wars, to alleviate the pressure of world population around us, and to cope with the coming shortage of our present raw materials."

Hold AEC-Sandia Management Review Conference

Atomic Energy Commission officials from the Albuquerque Operations Office and other AEC areas met with representatives of Sandia Corporation last week during the annual AEC-Sandia Management Review Conference.

A briefing on new developments in ordnance phases of the weapons program and discussion of problems of mutual interest occupied the attention of participants.

Included in the AEC group were representatives of AEC-ALOO and SAO, Division of Military Application, Washington, D. C., and area managers from other AEC installations. Military representatives came from the Armed Forces Special Weapons Project at Sandia Base and the Air Force Special Weapons Center at Kirtland Air Force Base.

Co-chairmen for the two-day

meeting were S. P. Schwartz, Vice President and General Manager of Sandia Corporation, and Charles C. Campbell, Manager of the Sandia Area Office.

The briefing included a tour of Sandia Corporation's Van de Graaff facility, computer facilities, the Standards, Materials and Environmental Testing laboratories and Area III.



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IRE SCHOLARSHIP WINNER Wolfgang Braun (5112) measures craters in Coyote Canyon as part of model blast studies being conducted by his organization. Wolfy is working at Sandia during the summer and plans entering University of New Mexico this fall.

State Science Fair Winner Takes Summer Job at Sandia

Wolfgang Braun, a fledgling scientist who was awarded a college scholarship based on his exhibit at the New Mexico Science Fair at Socorro, is spending this summer working for Sandia doing model blast studies at Coyote Canyon.

"Wolfy," as he is called, is assigned to the Weapons Effects Department's Coyote Canyon Section (5112-2) making measurements of craters resulting from model blast experiments.

The young scientist-to-be plans to enroll in the University of New Mexico where he will major in Physics under the one-year scholarship he received from the Albuquerque-Los Alamos Section of the Institute of Radio Engineers.

S. C. Hight, former Director of Research at Sandia and head of the IRE Scholarship Awards Committee, presented "Wolfy" with the scholarship for a technical paper he wrote describing his exhibit—a parabolic sound reflector.

Wolfy attended Alamogordo high school and was valedictorian of his class of 150 students earlier this month.

He is a member of the National Honor Society and Mu Alpha The-

ta, a mathematics society. While in high school he served on the student council and was a member of the science club.

Wolfy was born in Braunschweig, Germany, and came to the United States in 1946 when he was six years old. His father, Gerhard Braun, was a German rocket expert who is now Deputy Director of Ballistic Missile Tests at Holloman Air Development Center at Alamogordo.

Asked if he would like to work on rockets and missiles Wolfy replied, "It's too early to tell." He does not belong to any rocket club but prefers to build model airplanes. "They're safer," he said.

NOTICE

Mail for the Sandia Corporation Office in Beverly Hills, California, is being erroneously addressed to the Los Angeles Post Office. This practice necessitates remailing of the material and payment of postage due, plus extended delays in delivery. The correct address is:

Sandia Corporation
8909 Olympic Blvd.
Beverly Hills, California

AEC Names Air Force General To Manager Post

The Atomic Energy Commission has announced the appointment of Air Force Maj. Gen. Alvin R. Lueddecke to replace K. E. Fields as general manager.

Mr. Fields will retire July 1 after three years in that position.

General Lueddecke was chief of the Armed Forces Special Weapons Project from 1953 to 1957 and had been assigned to other tri-service projects in Washington for the past 10 years.

At the present time the general is in command of Joint Task Force 7 for the current nuclear test series in the Pacific.

According to retiring AEC Chairman Lewis L. Strauss, General Lueddecke was appointed general manager because of his "long and varied experience in the field of atomic energy and his outstanding technical and administrative ability."

Three Sandians Are Named Officers of Local IRE Section

Three Sandians were elected to office in the annual election of the Albuquerque-Los Alamos Section of the Institute of Radio Engineers.

Elected were Robert C. Spence (5223), vice chairman, John H. Findlay (5500), secretary, and Robert Creveling (1413), treasurer. Elected chairman was Sheldon H. Dike, former Sandian.

Installation of new officers was a part of the scheduled program at the annual IRE picnic held at Pine Flats picnic area earlier this month.

3,047 Employees Are In New Health Plan At Sandia Corporation

The initial enrollment period for Sandia's new Health Care Plan ended June 2 with 3,047 employees subscribing to the expanded coverage.

The total represents 44 per cent of Sandia's employees and includes 15 persons on leave of absence or retired from the Corporation.

The new plan was designed to minimize financial worries in case of catastrophic illness and to replace the less adequate coverage provided by conventional plans.

Ninety per cent of those signing up for the new plan were enrolled in the Hospital-Surgical Benefit Plan. Ten per cent were new enrollees. More than half of the participants in the new plan (57 per cent) requested coverage for their family of two or more dependents.

Employee Services Organization (3122) which handled the enrollment noted that the new plan was generally well accepted, with 10 of the 23 superintendencies reporting participation by 50 per cent or more of their employees.



SANDIA CORPORATION HAS WORKED
22 DAYS
WITHOUT A DISABLING INJURY

HERE'S WHY...

Safety is engineered into the job at Sandia and when all reasonable precautions are taken employees are able to continue work without disabling injuries.

When there is compliance with safety regulations, when safety equipment is used and when common sense is exercised the safety record remains clean. Health and safety on the job are sought by all. A cause that is so popular should be easily achieved.

Continued care and observance of rules will help keep this record improving.



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The High Cost of Thoughtlessness

Last year when the Coronado Club swimming pools opened there were dozens of pieces of bright new patio furniture for the use of swimmers and sunbathers. The furniture was of light weight but durable construction — or so the Board of Directors thought. Within a few weeks almost half the new aluminum frame furniture had to be removed as unusable due to damage.

This year the Club has added new cabañas and additional furniture is being placed in the patio area. Will this furniture suffer the same needless destruction as last year? It's largely up to the members and their guests. Everyone who uses the area has a responsibility to see that furniture and facilities are not abused and to report to the Manager of the Club or to a life-guard any willful or malicious mistreatment of the equipment.

The printed rules of conduct for the Club do not include the obvious rules of etiquette and social conduct but it should be apparent to all users of the facilities that when the pool area is crowded it is expected that everyone will avoid any action which needlessly inconveniences or disturbs others. A little concern for fellow patrons will contribute much to the enjoyment by everyone of a recreation area we are most fortunate to have.

WE Service

R. S. "Dick" Shoberg (4344-2) was presented with a 15-year pin and certificate on June 13 in recognition of continued service with Western Electric. He is on loan to Sandia from the Tonawanda plant.

Welcome Back

Back at work is Corliss Fennimore (4344) who returned in mid-June after an illness of six weeks.

Returned to their desks at Sandia are Emily Young (5126) and Ann McIntyre (5125) after recent illnesses.

Farewell Dinner

A farewell dinner was held last week by members of 5130 and 5150 for Cynthia Sedillo, who is going on leave of absence.

Weddings and Engagements

Best wishes are extended to Rosie Jo McDowell and Howard Hayden, who surprised their co-workers in Section 2464-1 by being married on June 6. Rosie has been at Sandia nearly a year and Howard started working here in November 1956.

Honeymooning in the Hawaiian Islands are Maurice McGuire of Albuquerque and his bride, the former Celeste Gatling. The couple will make their home in Albuquerque upon their return.

Celeste has been with Sandia's Specifications and Standards Library (7221-1) for five and one-half years.

Barbara Stewart (8212-3) and her fiancé, Charles L. Renzau of San Francisco, will be married June 30 in an evening ceremony at



Barbara Stewart

the Central Methodist Church in Albuquerque. A reception in the church parlor will follow.

After a wedding trip to Colorado the couple will be at home at 434 Junction Ave., Apt. 40, Livermore, Calif.

Barbara has been with Sandia for two years.

Before returning to Albuquerque to make arrangements for the ceremony, Barbara was given a surprise wedding shower by her friends at Livermore Branch in 8211, 8212 and 8213.

Wedding bells will ring tomorrow for G. E. Boettcher (1451) and Eva Gallegos (2520). The ceremony will be at St. John's Cathedral.

Following a honeymoon the couple will be at home at 3227 34th Street, Sandia Base.

Big Event

Proud parents are Arnold Lamb (8113-1) and W. C. Scrivner (8130) whose daughters played important parts in their eighth grade class graduations in Livermore this month. Cindy Lamb was class narrator and Karen Scrivner gave a talk.

Sandia Thespian To Be Featured Player for UNM Summer Theatre

Featured player with the University of New Mexico's summer theatre company will be Mary Ellen Smith, Sandia personnel receptionist (3151) who is also a drama major.

Three comedies and a mystery make up the eight week session, which opens June 27 in the newly-air-conditioned Rodey Theatre on campus. Each play will run for two week ends.

The first offering will be "Miranda," the fantasy of a doctor's strange catch on a fishing trip. Mary Ellen will play the role of Nurse Cary who cares for the very attractive but unusual patient, Miranda.

On July 11 she will play the leading role in "Personal Appearance"—that of a famous movie queen.

Other offerings of the drama department will be "Night Must Fall," a successful Broadway thriller, and "January Thaw," the problems of a do-it-yourself family in redecorating a Revolutionary-period house.

Directed by George Stoughton, assistant professor of drama, the plays and workshops will be the first venture into summer theatre by the UNM drama department.

Tickets and information are available at the University.



Mary Ellen Smith

Sick List

Livermore's nurse Mildred Whitten (8212-4), who has been seriously ill since mid-May and hospitalized in Castro Valley, is now convalescing at home.

Friends of Mark Forster (2121-2) wish him a speedy recovery. He underwent surgery on June 16.

Also hospitalized is Genevieve Hines (7411-5), who is recovering from an operation.

Another Degree

Another Sandian to receive a college degree this June was Donald Rauber (7223) who was awarded a PhD in English from the University of Oregon.

Mr. Rauber had completed work toward his PhD last July when he came to work for Sandia but the university only awards this degree in June.

His Master's degree was from the University of Oregon and his Bachelor's was from St. Mary's College in California. Both were in English.

Fun Time

It was picnic time in mid-June for members of Division 1220 and their families who chose Pine Flats in the Manzanos for their site. Along the entertainment line there was softball, volleyball and horseshoe pitching as well as sack races for the kids.

Appropriate Decoration

Girls working in Bldg. 887 gave a surprise covered dish luncheon and baby shower for June Rainwater (2442). Each individual piece of cake was decorated with a pair of baby booties.



Lori Neubauer
—ready for the Fourth—

Beginner's Luck!

Three-year-old Lori Neubauer is already proving that she is as good a fisherman as her parents, Helen (7225) and Ted (2154-2).

While vacationing in the Ozarks, Lori hooked her first fish — but she did need a little bit of help from her daddy to boat her prize.

Receives MS Degree

Robert B. Foster (1651) received his MS degree in Physics at the University of New Mexico this month. His Bachelor's degree was from the University of the South in 1955.

Mr. Foster has been a Sandia employee since last June.

Hot Shot

Lorraine George (8211-1) recently won three trophies for her excellent bowling average in the Radiation Laboratory Recreation Association League at Livermore.

New Homes

Mr. and Mrs. William Revnell (2722) have moved into a large new home at 1507 Clancy NE.

Moving time recently for W. R. Barton (5141-2) and his family, who now live at 1842 Propps NE.

New neighbors of theirs will be Sam McAlees (5144) and family, who are settled at 1839 Propps NE.

Jack Suttman (2463) and his family recently moved into their new home at 9806 Haines NE. The house is Jack's own original design.

It was also moving day recently for Jim Bell (2154-1) and his family, who now reside at 10513 Apache NE.

Also debating about where to place furniture is Don Peterson (5122) and his family whose new home is at 1012 Espejo NE.

Congratulations

Born to:

Mr. and Mrs. Robert P. Stromberg (1473) a son, Peter Gustaf, on June 12.

Mr. and Mrs. Carl A. Scheiber (2531) a daughter, Carla Lynn, on June 6.

Mr. and Mrs. Richard C. Wahlberg (7311-3) a son, Glenn Richard, on May 30.

Mr. and Mrs. Kenneth L. McClelland (1624-2) a son, Mark Douglas, on June 6.

Mr. and Mrs. Frank Baczek (2162) a son on June 17.

Mr. and Mrs. Jim Reid (2441) a son, David Calvin, on June 17.

Mr. and Mrs. Ben Bader (on military leave from 1246) a daughter, Dana, on June 10.

Mr. and Mrs. Frank Twiss (1624-1) a daughter, Theresa Marie, on June 19.

Mr. and Mrs. Tom C. Garcia (2711) twin sons on June 10.

Mr. and Mrs. George H. Carton (2463) a son, Christopher Michael, on June 3.

Mr. and Mrs. Richard Burken (2221) a daughter, Kathryn Lorraine, on June 16.

Mr. and Mrs. Paul Cruz (4153-2) a daughter, Melinda Marie, on June 3.

Mr. and Mrs. Wynne Grace (1451) a son, Wynne Kevin, on June 9.

Sympathy

To E. W. Shepherd (7218/1610) for the death of his father May 30 in Santa Fe.

To Dorothy Mohart (2531) for the death of her mother in Cleveland, Ohio, on June 9.

To C. E. Runyan (2120) for the death of his father in Indiana on June 7.

To Daniel Davis (2151-2) for the death of his father June 12 in Blytheville, Ark.

To K. J. Urquhart (1451) for the recent death of his father in Mercedes, Tex.

To Charles Horner (2111) for the recent death of his sister.

To H. E. Walker (5511) for the death of his father June 23 in Oklahoma.

Student Aid

A Sandia summer consultant, Dr. B. J. Pettis, has been appointed a member of the regional committee of the Woodrow Wilson National Fellowship Foundation. The group assists graduate students.

He is regularly a professor of mathematics at the University of North Carolina but is assigned to department 5120 at Sandia.



Laverne Pogue — 2532

Take a Memo, Please

Don't be a "fall guy." Watch where you are going. Falls kill more people each year than any other cause except one. You guessed it — motor vehicle accidents lead the list. Falls on the job caused four disabling injuries to Corporation employees to date during 1958.

No More Fjelseth Brothers Left In Sioux Falls; Sandia Has Them All



Lewis, Don, Paul and James (L to R)
—All Fjelseths and All Sandians—

Working at Sandia is a "family affair" for the four Fjelseth brothers.

Lewis, the oldest of the four, came here five years ago to work as a project engineer (1215), after graduation from South Dakota State College.

Don drove to Albuquerque two years ago on vacation and stayed to work as a technician in 1621-3.

After Paul received his degree in electrical engineering at South Dakota State he decided he might as well follow the trend. He's also a project engineer (1245-2).

This month the youngest brother, James, arrived at Sandia and is working in Central Mailing Section.

This is the end of the line—no more Fjelseth brothers or sisters left in Sioux Falls, S. D.



BRUSSELS WORLD'S FAIR will be on the itinerary of most travelers to Europe this year. Louis Erne (2462-1) found the Russian exhibit an interesting comparison to displays of the U.S., other countries.

Valparaiso Alumni Show Electronic Magic To Boy Scout Troop

Albuquerque alumni of Valparaiso Technical Institute are continuing their "electronics spectacular" shows before youth groups.

The latest showing was for Boy Scout Troop 189 at Our Lady of Fatima Church.

Sandians participating in the program included Bill Stephenson (1411), Jerry Donaldson (1442), Luke Snyder (5223), James Drake (1652), Bob Lindsey (1544), Don Werner (1411) and Lee Hogue (1456).

An additional participant in the show was Dr. W. D. A. Peasley, president of Valparaiso, who stopped in Albuquerque en route to the convention of the National Council of Technical Schools.



ELECTRONICS DEMONSTRATIONS were given before Boy Scout Troop 189 by Valparaiso Alums (L to R) Luke Snyder (5223), Lee Hogue (1456), Jerry Donaldson (1442) and Bob Lindsey (1455).



HIGHEST AEC AWARD for Sandia's 1957 safety record was presented to Corporation President James W. McRae by C. C. Campbell, Manager of the AEC's Sandia Area Office, during a joint AEC-Sandia Management Review Meeting last week in Albuquerque.

4th AEC Honor Award Given For Sandia '57 Safety Record

The fourth Award of Honor for outstanding safety record was presented to Sandia Corporation by the Atomic Energy Commission last week.

The award was for the year 1957, during which the Corporation had a frequency rate of .71 and a severity rate of 6.0 for lost time injuries. The national frequency rate for AEC groups engaged in similar work was 2.30 and the severity rate for those groups was 275.

In accepting the award at the conclusion of last week's AEC-Sandia Corporation Management Review Conference, J. W. McRae, president of Sandia Corporation, said he was distressed to note that the Corporation's safety record so far this year indicates that it will be impossible for us to qualify for another Award of Honor during 1958. He pledged renewed effort on our part to regain the previous safety record.

C. C. Campbell, manager of the Sandia Area Office, AEC, presented the award. He commented on the fact that in nine years of fairly hazardous operations the Corporation has not experienced a single fatal accident. The Corporation's best safety record was achieved in 1951 when the frequency rate was .81 and only six employees were injured in the course of their employment. The record is unmatched in similar AEC facilities.

Since 1952 the injury frequency has fluctuated very little, remaining consistently under 2.00 and exceeding the national AEC operations contractor average in 1955.

Frequency rate refers to the number of lost-time accidents per million man-hours worked and severity rate refers to the number of days lost per million man-hours worked.

Colorado Trip Is Planned By Mountain Club

A rock climb for experienced climbers is planned by the New Mexico Mountain Club June 29, the objective being "The Thumb" in the Sandia Mountains.

During the Fourth of July three-day weekend, the group will combine a pack trip, camping and rock climb at Blanca Peak, Colorado, the fourth highest in the state. This trip, to be led by Hank Tendall (1215), will begin Thursday evening and conclude Sunday.

Reservations for the July 4 expedition should be made by calling Hank no later than June 29.

Micro Midget Races Feature Sandia Drivers

Sandia Corporation personnel have placed well this season in the Micro Midget racing programs being run on alternate Saturdays at Speedway Park.

Ladona Anglin (1225) captured first place in the powder puff derby on June 14. The wife of K. L. Cahill (5143) narrowly escaped injury in the same race when her car rolled over three times. Another contestant was Clyda Gravitt (1224).

The same day Dean Hitchens (1247) captured the main event and the trophy dash. Larry Woolrich (1612) gained the nickname of "Leapin' Larry" when his car jumped an embankment in the west turn during the consolation race.

Micro Midgets are 60" wheelbase cars usually powered by motorcycle engines. On a 1/10 mile dirt track the cars reach peak speeds of 35 to 40 miles per hour and in special races have defeated motorcycles and modified stock cars.

Most of the micros have been built by their drivers and represent investments of \$100-\$800. There are now 24 such cars in Albuquerque with about 10 more in the process of being built.

Corporation employees driving micros include: R. E. Bohannon (1626), L. E. Sharp (7242), R. A. Case (1472), D. A. Hitchens (1247).

J. G. Brock (7223), J. R. Johnson (5252), I. N. Humble (2441), W. J. Freed (7241) and M. L. Heisler (1611).

Welcome to Sandia Corporation's New Employees

June 9-20

New Hires

Albuquerque

- D. Corrine Adams 7225
- Alice A. Aden 7225
- Florence M. Brewster 7225
- Janice H. Brown 7225
- Dorothy W. Calloway 4135
- Margaret E. Earnheart 4135
- Thomas Eglinton 2443
- Dorothea R. Fishburn 2731
- Geraldine S. Guzman 7225
- Francis G. Higgins 4360
- Richard E. Holben 7412
- J. Arlene Jackson 7225
- Hubert F. James 2152
- Laraloni Katzenstein 4135
- Linda B. Kopp 7225
- James L. Krone 5231
- Guzenne L. Little 6021
- Howard B. Massey 5512
- Garry L. Ogle 5214
- Mary L. Peckum 3122
- Kajeon Rumpfelt 2551
- James C. Sanchez 2474
- Jane R. Smith 7225
- Andrew H. Stark 7231
- Juliet F. Stone 2511
- Richard G. Vaughan 1282
- Richard D. Volk 1413

Alabama

- William H. Fulcher, Auburn 1470

Arizona

- Robert L. Hymer, Tucson 7217
- Ronald P. Syler, Tucson 5223

California

- Patricia J. Booth, Livermore 8212-3
- Mary A. Clay, Livermore 8212-3
- Mary H. Johnson, Livermore 8212-3
- James J. Russell, Pleasant Hill 8113-1
- Ferdinand F. Thome, Livermore 8222-2
- Harold R. Baldwin, Livermore 8222-2
- Helen J. Bordewick, San Francisco 8212-2
- Charles C. Calhoun, Livermore 8224-1
- Patricia A. Chappell, Livermore 8212-3
- Richard C. Coates, Oakland 8122-3
- John D. Murphy, Albany 8111-1
- Charles T. Newmyer, Santa Monica 8111-1
- Kenneth C. Purchase, Walnut Creek 8213-2
- Joyce D. Ralph, Livermore 8212-3
- Karol J. Scott, Livermore 8223-2

Colorado

- Fred H. Johnson, Denver 4112
- William C. Thompson, Boulder 1260

Idaho

- Robert C. Dougherty, Moscow 8124-1
- Dale E. Roske, Moscow 8122-3

Indiana

- Robert A. Baker, West Lafayette 1522
- Don W. Doak, West Lafayette 1282

Michigan

- Richard B. Coleman, East Lansing 5520
- Leland L. Moy, Detroit 1522

Minnesota

- Wayne D. Olson, Minneapolis 1260

Nebraska

- Kermit C. Goettsche, Lincoln 1462
- Robert D. Scebald, Lincoln 1652

New Jersey

- Willard B. Converse, Glen Rock 7210

New Mexico

- Conne G. Coalson, State College 2514
- Jose R. Gonzales, Albuquerque 8222-2

New York

- Lee M. Bossart, Stafford 5223

North Dakota

- Floyd M. Stolt, Fargo 1265
- Raymond T. Myers, Fargo 2514

Oklahoma

- James R. Clayton, Norman 2542

Oregon

- George R. Dunbar, Corvallis 8122-1
- Harold G. Short, Corvallis 8122-2

Pennsylvania

- Kenneth R. Jones, Llewellyn 7412
- Richard A. Keen, State College 2542

Texas

- Herbert E. Gatlin, Houston 5230
- William D. Love, Lubbock 5220

Utah

- Lloyd Merrell, Salt Lake City 1215

Washington

- Robert G. Clem, Pullman 8131-1
- Donald L. Roth, Pullman 8111-3

Rehired

- Joseph P. Burger 1626
- Ronald L. Johnson 5214
- George E. Sheridan 1264
- Lorena F. Trujillo 7225
- Lena Jo Houser 7225
- Joyce K. Miller 7225
- Wanda S. Conklin 7225
- Carl D. Longert 1452
- R. Bonnie Smith 7327
- Floyd Coppage, Blacksburg, Va. 1626
- William J. Sieger 1282
- Arthur C. Littleford, Norman, Okla. 7113
- Vernon J. Glover, Lawrence, Kans. 5521
- Jacqueline Jordan 7225
- Dolores C. Gravening 7225
- Richard M. Ford, East Lansing, Mich. 1264
- William O. Bramlett 3242
- Edsel L. Gunn 7233

Irene M. Hyatt 5512

- Edward J. Vulcan 1542
- Andrea G. Gabaldon 7225
- Mary A. Paul 3152

Summer Hires:

(Albuquerque unless otherwise noted)

- Marilyn Butler 7225
- Karren Allred 7225
- John E. Beam, Lawrence, Kan. 1614
- Sally A. Beavers 7225
- Sharon Beeson 7225
- Annette Benninghoven 7225
- Jack E. Bresenham 1611
- Frederick C. Brockhausen, Jr. 7412
- Coleen Byrne, Chicago, Ill. 1450
- J. Patrick Callahan 5112
- Norman E. Dell 7411
- Josephine Del Mastro 4142
- Hobart N. Dixon 7412
- Sheila A. Farley 7225
- Edmund G. Franzak, Chicago, Ill. 5150
- Arlene G. Garcia 7225
- Gerard W. Hauer, Jr. 7412
- Maximo Hernandez, Jr. 2418
- Darrell R. Hutton 7412
- Robert E. Iden 3161
- James E. Jordan 7412
- Jack P. Lafollette, Boulder, Colo. 2511
- Joan K. Linenthal 7225
- Sheila K. McCarthy 3153
- Ann H. McCartney 7225
- Frank E. McCulloch, Jr. 1620
- Robert E. Manning, Pittsburgh, Pa. 1613
- John D. Meister 7411
- Ronald L. Mendelsberg 7411
- Ailene L. Montano 7225
- Vaughn R. Parfitt 1282
- Billy J. Pettis, Chapel Hill, N. C. 5120
- Franklin M. Probst, Urbana, Ill. 1452
- Norman L. Ransom 7411
- Helen L. Reynolds 3120
- Lucy T. Rivera 7225
- Michael K. Sain, St. Louis, Mo. 1454
- Barbara A. Sandusky 7225
- John A. Shute 7412
- Antonio Silva 2418
- Charles B. Copeland 5112
- Fred W. Smith, Pittsburgh, Pa. 5251
- Nelson E. Snook 4330
- Harry M. Southard 7412
- Stephen W. Sprague 7412
- John F. Taylor 2551
- Patricia E. Tolmie 1452
- Novral D. Wallace, Rolla, Mo. 5511
- Robert T. Brandt 1472
- Wolfgang Braun 5112
- Magdalena Gallegos 7225
- Constance Goble 4361

Clyde M. Hyde, Trumansburg, N. Y. 5132

- Raymond P. Lutz, Jr. 2440
- Sheilah Purcell 7225
- Donna S. Rinn 7225
- Angie Romero 7225
- Richard W. Watson, Princeton, N. J. 2542
- Joyce Wiltbank 7225
- Judy L. Abbott 3124
- William D. Burnett 5110
- Rafael A. Carrillo 2461
- Royce W. Fletcher 5112
- Joel R. Foster 2461
- Ira H. Gilbert, Jamaica, N. Y. 1451
- Foy D. Graves 2461
- Richard E. Isaac 5120
- Wilbur B. Maxson 3124
- Paul E. Scarborough, Jr. 2551
- Betty Jo Stutsman 7225
- Harold L. Winton, W. Lafayette Ind. 5220
- James L. DuBard 2540
- Vernon T. Miklesbost 2551
- John E. Myers 5220
- David Newman 5150
- Edward K. Greenwald, Worthington, O. 5224
- Larry D. Oppliger, Madison, Wis. 1611
- Robert W. Allen 1613
- Marion F. Pickett 7410
- David G. Miller 7410
- Edward McMahon, East Lansing, Mich. 1456
- Charles B. Allen 2418
- M. Caroline McRae 3161
- Mabel L. Kinney 3120
- Patricia N. Wagar, Cambridge, Mass. 7225
- Edwin L. Brawley, Jr. 7410
- Muri B. Moore, Palo Alto, Calif. 2441
- Charles L. Phillips, Atlanta, Ga. 1626
- Edward L. Schieffelin 1652
- Norton B. Crowell 4112
- Charles W. Dunn, St. Paul, Minn. 1450
- Floyd Mathews 1610
- Ralph Tubbs, Washington, D. C. 1474
- Michael E. Meeker, Boston, Mass. 5130
- Samuel Greenwood, Newark, N. J. 1463
- Jannings Harne, Blacksburg, Va. 2440
- Paul Leonard 2461
- Wilbur B. Ratteree, Ames, Ia. 1282
- Eleanor F. Dial, Iowa City, Ia. 7225
- James P. Young, Iowa City, Ia. 2543
- Charles E. Stoneking, Atlanta, Ga. 1626
- Otis G. Peterson, Champaign, Ill. 5242
- Karen K. Quelle 7225
- John B. Beesley, West Lafayette, Ind. 2540
- Glen W. Howard, Stillwater, Okla. 1652
- Donald R. Chenoweth, Champaign, Ill. 5142
- Larry E. Williams 1470
- George A. Watson, Ames, Iowa 1245
- Larry R. Swanson, Ames, Iowa 1613



W. H. "Bill" Bailey (3123) and Dale Sparks (1456)
—Educational Aids Administrator counsels with Doctorate student—



Sue Moreton (3153)
—straight A's in Bus. Adm.—



Manuel Gallegos, Jr. (2723-3)
—job related math courses—



Phil Mead (7223)
—seeks PhD in English—

Year to Learn Trait of These Students — And Many More

Four Sandia students pictured here are representative of some 410 who studied spring semester at the University of New Mexico under the Educational Aids Program.

Dale Sparks (1456) is seeking a Doctor of Science degree in electrical engineering. He earned BS degrees in Electrical Engineering and Mechanical Engineering at Iowa State in 1953. His Master's work was completed at the University of New Mexico in 1956. He

has been at Sandia Corporation since 1953.

Phil Mead (7223) is hoping to complete work for a PhD in English by 1959. He received his BA degree from Hiram College, Hiram, Ohio, in 1949 and Master's work was done at New Mexico A & M. He regularly teaches courses in Speech and English in the UNM Community College. He has been at Sandia one year.

Sue Moreton (3153) has a record of straight A's in Business Ad-

ministration for two semesters under the Educational Aids Program. She obtained her BA in English Literature at Northwestern University in 1953. She has been at Sandia Corporation two years.

Manuel Gallegos, Jr. (2723-3) uses the information from math courses he's taking at UNM in his job in the Tool and Gage Inspection Section. He is working toward a BS degree in math with a minor in Physics. He has been at Sandia seven years.

410 Receive Checks

Earn-While-You-Learn Plan Pays Off For Many Sandians

Tuition refund checks totaling \$6,500 were delivered this week to 410 Corporation employees marking the end of the fourth semester Sandia Corporation's Educational Aids Program has been in effect.

The earn-while-you-learn plan has benefited some 1,429 students during the past four semesters by providing a refund of one half the cost of tuition plus time off to attend classes in some cases. Individual counseling and arranging special interest courses are other features of the program, administered by Staff Training and Education Division, 3123.

Enthusiastically endorsed by the 141 graduate student-employees who took courses in the fall semester of '56, the program attracted 244 graduates and undergraduates the following semester. In the Fall Semester of '57, 534 Sandia students participated. William H. "Bill" Bailey (3123-1), administrator of the program, predicts another increase for the fall semester of '58.

Last semester 18 employees worked toward a PhD degree, 200 studied for Master's degrees and 128 sought Bachelor degrees. Sixty-four other employees were taking job-related courses in non-degree programs.

As part of the program, approximately \$11,500 was paid the University of New Mexico as a subsidy last semester. The amount is based on the tuition paid by Sandia students studying at UNM under Sandia's educational aids program.

This grant is designed to assist the staff and facilities in maintaining the type of courses needed by Corporation employees. It also makes possible the scheduling of classes

at hours most convenient for employee students.

To be eligible for the program, an employee registers for a job-related course (or for a course related to a job to which he could reasonably aspire). He must then complete this course with at least a "C" average to qualify for the tuition refund.

Arrangements are made through Division 3123. Counselors help employees with class schedules and questions about academic requirements for enrollment.

Students who have reached at least the junior level in college work are eligible for time off the job if the desired classes are not available outside working hours. The University schedule is arranged so that most classes needed by undergraduates are available in the evenings.

"With the University setting a deadline of August 15 for receiving applications of new students for the fall semester," Bill Bailey says, "it's not too soon for prospective students to start thinking about a schedule for fall classes."

"The University defines a new student as one who was not registered for the Spring '58 semester or did not attend classes this summer," Bill says. "This means that some employees who have been students at UNM in the past will have to reapply for admission by August 15."

"University Night," an annual get-together of University faculty and prospective students to answer questions and discuss individual problems of prospective students, will be held August 11 at the Coronado Club, but any employee planning to attend fall classes should contact the Staff Training and Education Division prior to that time.

Volunteers, Families Praised for Part in Sandia Evacuation

Maj. Gen. Louis T. Heath, commander of AFSWP field headquarters at Sandia Base, has expressed appreciation for the cooperation demonstrated during the Sandia Base evacuation training exercise on June 7.

Data gathered during the exercise will be used in making a sound, workable and permanent emergency plan for the entire Base.

In a notice to all military personnel, their dependents, and civilian residents on Sandia Base, General Heath said: "I particularly wish to thank the many volunteer women wardens for their contribution of personal time and effort. Your assistance was a major factor in attaining the high degree of success we enjoyed."

"I also wish to thank the AEC and Sandia Corporation families and those personnel, who, as volunteer Civil Defense officials, cooperated wholeheartedly with the military authorities in the conduct of this training exercise."

Tennis Champs

Winners of the Quality Engineering Department (5520) tennis tournament played recently are R. R. Harner and J. C. Bozone of 5521.

The two scored a victory over J. R. Harrison and W. A. Adams (both of 5521), winning two sets out of three for the championship. Eight two-man teams took part in the tournament.

Softball Standings

June 20		
"A" League		
Team	Wins	Losses
1400	6	1
2500-I	6	1
3100	5	2
4100	3	4
1200-II	2	5
7400-II	2	5
4300	2	5
7200	2	5
"B" League		
Team	Wins	Losses
2100	7	2
5100	6	2*
7400-I	6	3
5200	5	3*
1200-I	5	4
2400	5	4
2500-II	2	7
2700	2	7
1600	1	8

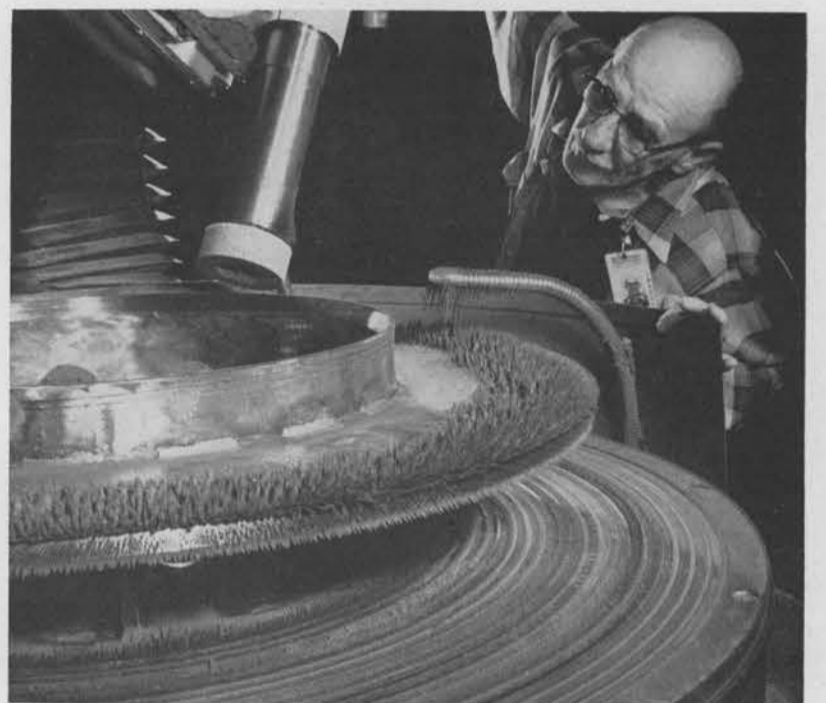
*Lack one game to complete first round of play

Individual Batting Averages*

Name	Team	Bat. Avg.
G. L. Vandi	4300	.600
J. R. Martindell	1400	.556
G. B. Ross	3100	.550
A. C. Taylor	2100	.545
C. R. Clyde	1400	.545
J. E. Vick	1200	.538
Leo White	1400	.522
G. E. Hildebrandt	2500-I	.500
G. W. Chandler	2500-I	.500
Jerry Olguin	2700	.500
W. A. Doyle	3100	.500
Fred Boop	5200	.500

*Must have had 15 official times at bat to be eligible.

The homerun leader at the end of the first round is Ken Flynn with 5 followed by Cliff Taylor with 4. Gordon Ross leads in triples with 4. John Vick and Ron Bump are tied with 7 doubles each to lead in that department.



WHISKERS on grinding machine operated by Clarence M. "Goldie" Gueldenzoph (2151) are really chips of metal held to the rim of the grinding table by an electro-magnet. The magnet also holds work tightly to the table while it is being ground.

Unique Model Shop Machine Uses Magnet For Support

A man who came to Albuquerque to get away from machine shops, Clarence M. "Goldie" Gueldenzoph, is one of the operators of a unique grinding machine in Sandia Corporation Model Shops. Goldie, a machinist for 30 years, came to Albuquerque in 1947 where he operated a motel and was assistant manager of a clothing store. After seeing numerous Sandia ads in the local papers asking for grinders, Goldie changed his mind and applied for the job. He has been here since 1951.

The machine he works on is equipped with a large electro-magnet to support objects being ground. The 48" table on the machine can support objects ranging in size from tiny bolts to material

that has to be handled with a crane.

As objects are ground, the magnet draws the metal chips to the rim of the table, setting up a weird pattern resembling grass in a new lawn. The magnet provides a built-in safety feature as it prevents many of the chips from flying through the air.

The machine can grind both outside and inside diameters to a tolerance of one-ten thousandth of an inch.

Goldie considers his job at Sandia to be the most interesting he has ever had in a machine shop "because of the variety of work." His first job as a grinder was with the Willis Overland Company in 1911 when he worked on automobiles.



FIRST AID INSTRUCTORS—Verne McNabney (2482-2), left, and A. L. Pearson (483-1) have qualified as Red Cross First Aid Instructors. They will conduct classes for Salton Sea employees.



ARE THESE YOURS? The pictured items—a lady's watch, a lady's wedding ring and three men's wedding rings—have all been found on Sandia Base and turned in at the Corporation's Lost and Found desk in Bldg. 829. Owner may claim by identifying them.

Sandians Who Serve

Clark Read Appointed to City Vocational Education Committee

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

An appointment on the Vocational Education Committee, recently established by the Albuquerque Superintendent of Schools, has been accepted by Clark Read (2162).

Purpose of the group is to study and analyze the needs for vocational education in this city.

Mr. Read holds a Mechanical Engineering degree from Carnegie Institute of Technology, a permanent teaching certificate from the State of Pennsylvania and has taught high school and vocational school several years.

In 1935 Mr. Read conducted a vocational survey in Clearfield, Pa., with his finding serving as the basis for the school district's establishing a vocational school. He also did advanced studies in vocational education at Pennsylvania State University while teaching at Williamsport Technical Institute. During World War II, Mr. Read supervised two Navy primary training ground schools.

A registered professional engineer in New Mexico, he has been employed at Sandia for 10 and one-half years but still finds time



C. D. Read

to take an interest in the Boy Scouts, American Legion, Methodist Church, Shrine and the American Ordnance Association. Lieutenant Commander Read (Ret.), has been active locally in the Naval Reserve.



Chester C. Fornero 7329 June 28, 1948 Vincent D. Melillo 7412 July 9, 1948 Clyde A. Dunlap 2552 July 1, 1948 Irene E. Palmer 3162 July 7, 1948 Raymond C. Coffey 4332 June 15, 1948 Guy C. Willis 8122 July 1, 1948

10 Year Pins

Homer H. Wilhelm 7314 June 28, 1948 Marie M. Ream 3100 June 21, 1948 Adolfo Sanchez 2232 June 29, 1948 Daniel M. McKnight 7216 June 28, 1948 Robert C. Spence 1245 June 28, 1948

John J. Miller 5251 July 1, 1948 Joseph D. Duran 2421 July 6, 1948 Merrill C. Jones 1652 July 6, 1948 W. R. McClurken 2112 June 29, 1948 John R. Doyle 8122 July 6, 1948 Howard T. Turner 1245 June 29, 1948

Bert P. Neuman 1217 July 6, 1948 Burl L. Brown 2473 June 28, 1948 Thomas A. F. Eagar 7324 June 28, 1948 George H. Roth 5520 June 28, 1948 Donald A. Skinrood 8122 July 6, 1948 Raymond E. Wason 5522 July 2, 1948

Five Year Awards

June 28-July 3
Pete C. Hernandez 5223, Charles A. McKeever 7113, Ralph E. Hampy 1452, James L. Poore 1614, Chester L. Cox 2742, William L. Chapman 6021, Jane F. Baker 2462, Donald E. Thayer 2742.

July 4-11
Philip W. Shew 5513, Paul D. Bishop 2221, Raymond B. Frank 2731, Glenn S. Mills 1541, James C. Drake 1652, William H. Blair 1652, Gaynor E. Atkinson 7131, Robert L. Ault 1612, Chester F. Sisch 5253, George L. Adkins, Jr. 5143, Albert C. Hall 2112, Gordon E. Boettcher 1451, and Buford A. Coleman 2472.

Two Year Certificates

Allen V. Robnett 1411, W. R. Martin, Jr. 1264, Donald W. Arquette 2542, Donald J. Burns 7311, Henry A. Stuckert 1456, John

Hagedorn, Jr. 1283, W. H. Robertson 1592, Andrew Stevens 1283.

Edwin E. Ives 1264, Donna J. Opperman 2223, Denzil R. Rogers 1542, Ben F. Sedlack 1541, William C. Cheek, Jr. 1285, Meloy F. Hansen 2554, Norman W. Scott 2743, Leroy B. Whidden 1541.

William C. Monday 1471, Duane L. Hughes 7421, Richard L. Eno 5232, John H. Leroy III 2532, Thomas B. Lane 1282, Johnny L. Hartley 1651, Phillip S. Young 1611.

W. Schaschter 5144, Yolanda M. Adent 7225, Ervin W. Wolfe 2731, Robert C. Lindsey 1455, Glenn W. Holmes 5223, Robert W. Summers 5221, Sylvia D. Gornley 5513.

July 4-11
Gary L. West 5223, Kermit F. Lindell 7319, John L. Irwin 1218, Jack L. Bloomquist 5215, Peter J. Fessia 7412, Betty B. Sherred 4333, Marcus G. Martinez 2472.

Richard P. McKnight 1652, Patrick H. Moore 1474, C. D. Lundergan 1261, M. L. Koym 1461, Kenneth L. Kudrna 1455, Luke G. Snyder 5223, Paul W. Blaylock, Jr. 5522, Wendel M. Sandlin 7223.

Edward P. Bernard 2742, Lois T. Quinn 4153, and Richard O. Brooks 1611.

Major Bowling League Elects Tom Cook As President for Year

Sandia Base Major Bowling League held its annual banquet and dance recently at the Coronado Club with Tom Cook (AEC-ALO) installed as new president.

Retiring president was Ken Lloyd (7412).

Awards were made to top teams and individual bowlers. Bill's Gulf Service received prizes for high team game and league championship. McKee's Highland Motors won the high team series.



SAFE FROM CATS but not from human eyes are these baby birds that hatched in the cross bar of the telemetering antenna atop Bldg. 802. Al Bytheway (1455-5) reports that several times he has had to move the nest but the mother sparrow(?) continues to take care for her three young ones, unperturbed by the moves.

SHOPPING CENTER

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SHOPPING CENTER

CLASSIFIED ADVERTISING
Deadline: Friday noon prior to week of publication unless changed by holiday.
RULES
1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Corporation and AEC employees only
6. No commercial ads, please
7. Include name and organization.

FOR SALE

- '55 STUDEBAKER coupe V-8, R&H, OD, power pack. Suttman, AX 9-6754.
- 17" TV Chassis, works, \$25; boy's 20" bicycle, new tubes, \$8.50; Duncan Phyfe table legs, pair, \$5. Bossett, AX 9-5685.
- BEDROOM SET, Cherrywood, modern, complete w/Kroehler innerspring mattress. Hummel, CH 3-7997, 2106 Renard SE.
- 3/4 ACRE of land, will trade for a good pickup truck, land has 30 apple trees. Benevisez, AL 6-9728.
- 3 BRM. BRICK home, 1 3/4 baths, five minutes from bases. Torres, AL 6-6111 after 5 p.m.
- FENCE, 150 ft. long x 3 1/4 ft. high, picket, approved for AEC housing, can be seen at 3170 41st Place, Sandia Base, \$75. Kohut, Ext. 29296.
- HI-FI PORTABLE 3-speed record player with nine LP records, Olympia, \$65. Parr, AL 5-9579 after 5.
- YOUTH BED w/innerspring mattress, \$15. Laursen, AM 8-2017.
- '52 FORD, 4-door, R&H, new transmission and recaps, \$350. Campbell, CH 2-9192 after 6.
- GAS RANGE, 36" Rheem Royal; 20" window fan, automatic timer, used three months. Cannon, AX 9-4592.
- UPRIGHT PIANO, Busch & Gerts, will sell or trade for accordion, saxophone, clarinet or what have you. Clenney, CH 3-0805.
- POWER MOWER, electric w/cord, \$25; double bed mattress, innerspring, w/springs, \$20; single bed mattress, innerspring w/box springs, \$15. Cashion, CH 2-3345.

- CAR BED, \$5; bassinette, \$5; fender skirts, '54 Ford \$5; mufflers, steel pack, \$4. Pickens, AX 9-3897.
- ELECTRIC STOVE, '57 Frigidaire Cookmaster; Coldspot refrigerator; 60x34 six-drawer wood typewriter desk, 4-drawer wood filing cabinet. Amole, 1617 Inez drive NE.
- CUSHMAN SCOOTER, Road King, 5 h.p., new clutch, one almost new tire, \$85. Fackelman, AL 6-7446, 417 Gen. Patch NE.
- BABY CARRIAGE, \$10; 1/4 inch drill motor, less chuck, new \$8; 13-inch Jig Saw, \$22.50. Pliner, AL 6-1907, 6210 Bellamah Dr. NE.
- MAHOGANY BUFFET, 6 foot, \$20. Butler, AX 9-5626.
- '50 STUDEBAKER, 4-door, good body, engine needs work, \$65. Mares, 7723 Robin NE.
- PORTABLE TYPEWRITER, Underwood, \$40. Fisk, AX 9-3388.
- '55 FORD Hardtop Victoria, R&H, white side walls. Williams, AL 6-9057.
- '57 RCA 21" blond console, or will trade for nice 21" table model. Hole, Ext. 49139.
- HAM GEAR, RME 4350A Rec. w/speaker, 2 mos. old, \$225, Viking Adventurer Trans., \$40. Lovell, AM 8-0453 after 5.
- RADIO-PHONOGRAPH, Philco two-speed automatic record changer, \$50. Brown, DI 4-3933.
- USED ALUMINUM awning, 7' wide, \$25. Sanchez, CH 3-0665.
- REFRIGERATOR, Kelvinator, \$50; movie camera, Brownie F2.7 lens and 2 1/2 power telephoto lens w/case, \$30. Garcia, AL 6-5323.
- GAS STOVE, 24", 4-burner apt. size, \$25; hand lawn mower, \$15. Roeder, AL 6-6445.
- PIE CHERRIES, for baking or freezing, will deliver or you pick. Cully, DI 4-7055, 847 Adobe Rd. NW.
- TOY POODLE puppies, two, 7 weeks old. Judd, AX 9-6536.
- '53 STUDEBAKER, 4-door, Champion, with OD, recent trip mileage, 28 MPG. Pardee, AL 5-1998.
- 2 BRM HOME, Hoffmantown, patio, fire-place, landscaped, children's pool, attached garage, 4% GI, open to offer on down payment. Green, AL 6-0114 after 6.
- '56 VOLKSWAGEN Deluxe sedan, low mileage. O'Neill, AL 5-6355.

NEXT DEADLINE
FOR SHOPPING CENTER ADS
Thursday Noon, July 3

- DACHSHUND PUPPIES, purebred, unregistered, reasonable. Prowitz, AL 6-6497.
- '50 BUICK, Roadmaster, 4-door, w/touraid trailer hitch, nylon tires, R&H, \$200. Souder, Ext. 34161.
- HAND LAWNMOWER, \$10; folding crib, \$15. Universal vacuum cleaner, w/attachments, \$10; combination car seat and bed, \$2.50. Wilson, Ext. 39168, after 4:30.
- CAMP STOVE, two burner, \$4. Halliday, AL 6-6685.
- 2 BRM HOUSE w/woodburning fireplace; misc. household furnishings for three bedroom house. Azar, AL 5-5864, 1615 Anderson SE.
- '57 CHEVROLET, Bel Air, 4-door hardtop, power pack V-8, R&H, WSW, will accept trade for older car. Howell, AL 6-4280, after 5.
- EVENING GOWN, size 9-10, worn once, bargain. Howard, AL 5-7846.
- '39 PACKARD convertible, 120 series, \$300; 5 one cent Atlas globe type vending machines. Clemons, AX 9-6004.
- WRINGER TYPE washer, portable laundry tubs; mahogany dropgate leg table, very reasonable. Revnell, AX 9-7557.
- BOY'S BIKE, 26", reconditioned, rides good, \$15. Rainhart, AX 9-2887.
- '49 CHEVROLET, 4-door, R&H, good second car. Saunders, AX 9-0767.
- '49 MERCURY and '49 Studebaker. Pons, AL 5-2990.
- 1000 FT. FRONTAGE, 66 East 10 miles, cabin, well w/pump, stables and corral, small down payment, owner will finance. Will rent. Fletcher, AL 5-0797.
- ELECTRIC RANGE, Kenmore, all the automatic features, \$100; 4500 CFM evaporative type cooler, \$50. Suiter, AL 6-9662.
- SERVEL REFRIGERATOR, 7 cu. ft., \$40 or best offer. Dyer, CH 2-8830.
- SPRINGFIELD 30-06, Sporterized, \$35; 1/2 ton air conditioner for casement window, \$65; two small diamond rings, \$20, \$30. Etc. Boag, AX 9-5939.

- SETTEE w/green leatherette washable upholstery, \$25 or best offer, straight-back wooden chair, needs upholstery, \$4, tube tester, \$20. Hogue, AX 9-1807.
- SEWING MACHINE, electric portable, smooth running, \$35. Schroeder, AX 9-1313 after 5.
- SHOTGUN, 12 ga., Springfield automatic, w/carrying case, cleaning equipment, \$90. Galbreath, DI 4-4306, 3730 Manchester NW.
- 3 BRM HOME, Snow Heights, owner leaving, den, DR, landscaped, newly painted, patio, walled, air-conditioned, assume GI 4 1/2%. Hittle, AX 9-6863 evenings.
- '51 BUICK Super convertible, R&H, dynamo, new tires, new paint, make offer. Kraft, AX 9-2157.
- AIR COMPRESSOR, 1/2 h.p. piston-type, tank mounted, automatic controls, regulator, 2.7 CFM free air w/external mix gun, 25 ft. hose, \$90. Thomas, AX 9-2694.
- '57 MOTORCYCLE, Allstate, made in Austria, 5 h.p., 3-speed transmission, w/battery, generator and speedometer. Ingledue, AL 5-2089.
- AIR CONDITIONER, 1 ton Thermostatically controlled window-type Remington; cost \$329, used 3 months, sell for \$175. Mays, AX 9-5602.
- 16' BOAT, Lone Star, tilt trailer, tarp, '54 model 25 h.p. and 5 h.p. motors, pillows, \$1000 insurance paid for 1 year. Davis, AL 5-4812.
- DINING ROOM SET, limed oak, table and four chairs, \$45; buffet-hutch, \$40. Mikkelsen, AX 9-7490, 10425 Gloria NE.
- RADIO-PHONOGRAPH, blond table model, \$23. Cordova, AX 9-1652.
- 2 BRM HOUSE, near schools h/w floors, patio, landscaped, garage, low down payment. Sanchez, CH 3-2504, 812 Willmore SE.
- '50 PONTIAC, 4-door, engine just overhauled, R&H, Hydramatic, name your terms. Pasko, AL 5-0378.
- 4 BRM HOME, 1 3/4 bath, air conditioned, landscaped. Kudrna, AX 9-1554.
- TWIN STROLLER, \$25. Martinez, CH 2-9309.
- LAWN TRIMMER and edger, \$10. Martin, AL 5-7763.
- MAHOGANY BUFFET, chrome and plastic dinette suite, baby scales, foot locker, and leather top coffee table. Butler, AX 9-5626.

- '26" BICYCLE, boy's, Schwinn, \$22; rotary sander, Sioux heavy duty, 7-inch, \$20. Glenn, AL 5-6569.
- '57 CHEVROLET, Bel-Air station wagon, R&H, powerglide, V-8, power pack, one owner, \$2,500. Hay, CH 2-8663, 302 57th St. NW.
- TAPE RECORDER deck and preamp; new Viking model PB 60 tape recorder playback preamp, Heathkit Model WP-2 hi-fi preamp. Sinnott, AX 9-1300.
- THOR GLADIRON, portable ironing machine, motor drive w/extension tables, \$25. Butler, AL 6-9794 after 5.
- OSCILLOSCOPE, Precise model 300 7-inch wide band, w/RF probe, \$125; Precise model 630 RF-AF-TV marker generator, \$40. Usery, AL 6-7125.
- 2 BRM HOUSE, North Valley; '29 Chevy convertible; misc. radio gear for Hams. Scussel, Ext. 43157.
- AIR CONDITIONER, refrigerated 3/4 ton Mitchell, 110 v, 4 years old, \$100. '48 Chevy, 2-door, R&H, new rings, bearings, \$185. Davis, AL 6-4962.
- '55 CHEVROLET, 4-door, Bel Air, 6 cylinder, standard transmission, R&H and WSW tires. Goris, AX 9-2924.

WANTED

- HOMES FOR KITTENS. Jeffers, AL 5-1977.
- BABY SITTING. Reliable high school girl wants baby sitting at night on Base or Wherry Housing. Fjelsted, Ext. 23278.
- HOMES FOR KITTENS. Due to "high cost of living" Petunia is forced to place her five kittens out for adoption, all colors, all sex and all lengths of hair. Kay, DI 4-4973.
- USED PIANO, good condition, cheap price, I'll haul it. Richardson, Ext. 34265.
- PING PONG TABLE, regulation size. Myers, AL 5-8559.
- BARBELL AND DUMBBELL set, 150 lbs. or more. Denish, AL 6-1559.
- ROUND TRIP to Las Vegas, Nev., over July 4 weekend. Share expenses. O. J. Foster, Base Dormitory Rm. 30, ext. 42154.
- USED TYPEWRITER, will also consider unit not in working condition. Bredow, Ext. 47146.

FOR RENT

- ROOM AND BATH, entrance from patio, share kitchen if desired, \$10 a week, ride to Sandia included. Jones, AL 5-3390.
- SINGLE ROOM, private bath, weekday breakfast, washing, ironing, and mending. Beckes, AL 6-5340 after 6.

Sanado Club To Hear J. W. McRae

The Sanado Women's Club will have as its July 1 speaker J. W. McRae, President of Sandia Corporation, whose topic will be "Watermelons and Mushrooms."

Presiding at the coffee which will begin at 10 a. m. at the Coronado Club, will be Mrs. Thomas Pace, president of the Sanado Club.

Decorations will follow a Fourth of July theme with red, white and blue carnations arranged around a display of satellites, jets and rockets.

Reservations may be made by sending a post card by Saturday noon, June 28, to one of the following persons: Mrs. Richard T. Othmer, 2109 Hendola N.E., Mrs. Paul Rowe, 1805 Dakota N.E., Mrs. Paul Syroid, 1817 California N.E., Mrs. Edward Ronan, 8032 Hannett N.E., Mrs. D. M. Bruce, 8312 Morrow N.E. and Mrs. Joseph Crompton, 2021 Hendola N.E.

Analysis Meet

Wally Jungmeyer and Dave Karthaus (both 5126) are presently attending the engineering summer conference on Advanced Numerical Analysis at the University of Michigan, Ann Arbor.

Timely Subject

Returning from New York City, Marcel Weinreich, translator in 7221-1, reports that the highlight of his vacation was attendance at the United Nations Security Council Meeting where the hotly debated subject was Lebanon's charges against the United Arab Republic.



BEST GOATEE AWARD during Livermore's rodeo week Whiskerino contest went to Sandian Dick Read (8133-1). His prize, an electric shaver, naturally.

Anniversaries

Congratulations to Ralph K. Fries (2533-2) and his wife on their 22nd wedding anniversary, which was June 18.

Donald S. Bliss (2533) and his wife observed their 25th wedding anniversary on June 23.

C. P. Canady (2711-2) and his wife, Ethel (2231-3) celebrated their 36th wedding anniversary on June 21 with a party at the Fez Club.

Mr. and Mrs. Charles O'Connor (2162-1) celebrated their 25th wedding anniversary on June 24. Mrs. O'Connor formerly worked for Sandia in 7121-1.

Congratulations are extended to J. A. Roach (2111) and his wife Bess (2462) on their 18th wedding anniversary which was June 18.

Jean Bergquist (5125) and her husband will observe their 15th anniversary tomorrow.

C. E. Abraham (5121) and his wife will be vacationing in Colorado when their 19th wedding anniversary rolls around Monday.

Well Liked

Lab News reporter Marge McDowell was honored by her co-workers in Division 4111 last week. As a surprise she was taken to lunch at the Silver Spur, presented with a corsage and given her five year Sandia Corporation service pin. She has been with the same division the entire period.

John Olson Competes With Top Players in SW Golf Tournament

John Olson (7242-2) was consolation champion in the Southwestern Golf Association Tournament held at the Albuquerque Country Club June 16.

The 1956 New Mexico putting champ was defeated on the 18th hole when Jack Miller, of the University Golf Association, sank a 30-foot putt. Earlier Jack was beaten by Peter Grant, top amateur in the Walker Cup Matches, who held a four hole lead with three holes left to play.

To qualify for the championship flight John completed 18 holes at the Country Club with a score of 72. Participating in the tournament were top golfers from the five-state area making up the Southwestern Golf Association.



Ethel and Perry Hooten
—more time for leisure—

Ethel and Perry Hooten Become First Sandia Couple to Retire

When Ethel Hooten leaves Sandia on June 30, she and her husband, Perry, will become the first couple to have retired from the Corporation.

Ethel has worked in section 2474-1 for the past six years. Perry had been in the same division for four years at the time he retired in August 1954.

The Hootens, who have made their home in Albuquerque since

1949, have purchased a house in Williamsburg, a suburb of Truth or Consequences. Perry has found the mineral waters there and the milder weather beneficial to his health.

Ethel and Perry are both avid gardeners and regret having to leave their flowers and fruit orchard.

The Hootens have five children, 13 grandchildren, and one great-grandchild, all living out-of-state.

Work Begins On Research Lab in Technical Area

Work has begun on modification of Bldg. 824 for occupancy later this year by part of the Physical Sciences Department (5150). The building will provide additional laboratory and office space for the department.

Included in the modification work, which will cost \$10,690, will be the removal and installation of new partitions, relocation of doors and windows, painting, plumbing and electrical work. Styron Construction Company, Inc. of Albuquerque, was awarded the contract.

Bids were to be opened this week for the modification of a transformer substation to furnish power to Bldg. 884 where work is being conducted by the Special Projects Division (1265). The modification is expected to cost from \$15,000 to \$20,000.

Fond Adieu

A farewell party was held at the home of Dr. S. P. Bliss, Sandia's medical director, for Annabelle Masterson, 3162 department secretary, who has been with the Corporation eight and one-half years. Annabelle is going to resume housekeeping on a fulltime basis.

That Time of Year

Division 1451 held their semi-annual picnic at Doc Long's picnic area in the Sandias last Saturday. Sporting events as well as box lunches were enjoyed by employees and their families.

National ASQC Award Presented Local Section

The Albuquerque Section of the American Society for Quality Control has received the second highest award from the national society for outstanding leadership and management of section affairs.

Chairman of the Albuquerque section during the period covered by the award was J. M. Wiesen (1592).

W. H. Robertson (1592), chairman of the Sadoris Award Committee of the section, announced that the award is presented annually to an ASQC section "to recognize general excellence in handling affairs relating to programs, education, organization and membership, as well as outstanding contributions to the welfare of the society."



BATTER UP! Employee Services' Tom Reyman gives softball instruction to catcher Sigrid Nissen and batter Bobbie Porterfield (both 2553-3) before the start of Sandia league softball play.

Sandia Reactor Subject of Talk

John L. Colp (1626-1) presented two technical papers this week dealing with Sandia Corporation's planned reactor facility. The papers were presented at the 1958 annual meeting of the American Society for Testing Materials in Boston, Mass.

In the first paper, co-authored by Haskell W. Woodall (1626), Mr. Colp outlined problems in viewing objects under test in the irradiation cell of the reactor. Methods considered were closed circuit television, shielded windows and periscopes, the latter proving most effective. The title of this paper was "Observations on the Effects of High Neutron and Gamma Fluxes on the Transmission Characteristics of Some Optical Glasses."

His second paper, entitled "A Facility for the Study of the Effects of Nuclear Radiation," is co-authored by A. W. Snyder (1623-3) and describes the reactor and handling facilities.

Sandia Girls Form Softball League

Sandia Corporation Employee Services has been working with Sandia Base military personnel to set up a girls' softball league.

At present there are four teams in the league with the possibility of two more teams before league play begins July 11. All league games will be played Friday evenings.

The Sandia Corporation girls' team has been working out for about three weeks, but more girls are needed to strengthen the team. Those interested in playing are asked to contact Clara Fuller (7412-7) or Employee Services, ext. 29157.

Team members include: Lessie Lee and Sabrina Rimbart (both 2731), Esther Allen (3151-1), Beverly Strauch (7411), Clora Fuller (7412-7), Garnett Mastin (2221), Carol Beatrice, Jane Henderson, Sigrid Nissen and Bobbie Porterfield (all 2553-3).



CORONADO CLUB OFFICERS elected at the annual meeting are (seated L to R): A. F. Cone (5510), treasurer; Dick Clark (5512), vice president; Cliff Taylor (2153), president; Mrs. Dorothy Miller (7220), decorations and publicity; Frank Taylor (2123), entertainment. Standing (L to R):

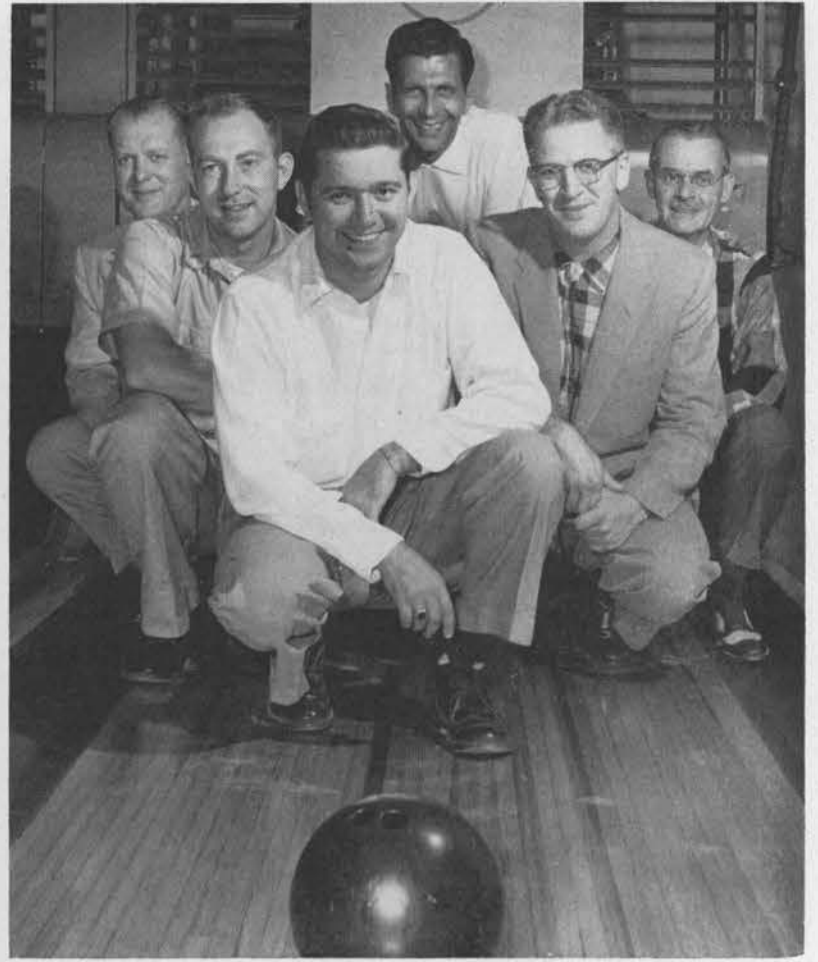
A. C. Hull (AEC), AEC representative; Joe Deveny (1218), swimming pool and patio; Jack N. Hansen (7411), bar; George Arnot (1456-4), bridge and membership, and Tom Dadian (2713), bingo. Absent when photograph was taken was W. G. Funk, Sandia Corporation representative on the board.

Meet 1957-1958 Bowling Champions



WINNERS of the Coronado Club roll-off tournament were the Mohawks, champs of the Friday night Indian League. Shown (L to R) are Clifton

Boxx (7113), Louis Jacot (6010), John Schmidt (US Navy), Charles McKeever (7113), Oren Worden (7113), Don Hurt (7113), and Barney Bueffel (1411).



THE PANTHERS of the Jungle League won the Monday night championship at the Coronado Club. At the end of the alley are (L to R) George A. Parker, Jr. (2700), William R. Barton (5141), Sam McAlees, Jr. (5144), V. T. Strascina (5142), A. F. "Doc" Cone (5510), team captain, and Tom Muzzey (1652), Secy.-Treas.



THE DODGERS of the Thursday night bowling teams reach for lucky balls used to achieve victory. They are (front, L to R) Max Watson (1412) and J. L. Sanchez (2721). In the rear (L to R), John Hinson (2121), Peter Ferketich, team captain (2121), and John Cotch (1412). Not pictured here is Al Salas (AEC)



TROPHIES are presented to the 1600 bowling team by B. S. Biggs, Director of Materials and Standards Engineering (1600). The team, sponsored by Sowell Pharmacy, scored a victory over 16 teams

at the Bowl-O-Drome. They are (L to R) C. W. Remaley (1613), C. M. Warthen (1614), L. E. Bothell (1613), J. I. Poore (1614), J. C. Jordan (1613) and P. S. Young (1611).



THE JADES, the Friday night winning women's bowling team, spell out their name with bowling balls. They are (L to R) Marilyn DeBetty (7412), Eloise Perry (2711), Koni Malenfant (7412), Audrey Rouekus (7411), and Dottie Chavez (AEC wife).



OKLAHOMA TEAM of the All States League scored a victory over other teams of Wednesday night bowlers at the Coronado Club. Team members are (L to R) Dick Dayhoff (5144), J. B. McCullar (2532), Gus Krause (2532) and Ray Henderson (2532). Not present when the picture was snapped is Jim Reese (2525).

Supervisory Appointments

CHARLES J. MAUCK to supervisor of Section 1247-2, Project Division.



Charles has been in the same engineering department during his three years with Sandia Corporation.

Previously he worked two and one half years for Dresser Industries, Olean, N. Y., in the mechanical design of compressors and gas engines.

Charles also taught engineering for three years at the University of Oklahoma.

He received a Master's degree in Mechanical Engineering from the University of Oklahoma after doing some graduate work at the University of Colorado. His BS in ME was also from the University of Oklahoma.

During World War II Charles served in the Naval Air Corps as a radio gunner. During the Korean conflict he was called back in the Navy to serve as a damage control officer.

He is a member of Pi Tau Sigma, engineering honorary, and is a registered professional engineer in New Mexico.

QUEENTO L. VANDI to Assistant Buyer 4323-2, Mechanical Subcontracting.



"Tex" started work at Sandia in February 1952 in programming and scheduling. A year ago he transferred to purchasing and has been a buyer's assistant since last October.

Prior to employment here Tex taught high school commercial subjects for three years in Iowa.

He received a Master's degree in Education from Drake University and his Bachelor's degree in Commerce from Tarkio College in Missouri.

During World War II he served three years in the Navy.

ARTHUR E. JONES to supervisor of Group III Distribution Division 2466, Document Department.



"Art" came to Sandia in February 1949 and has been supervisor of section 2464-1 for the past five years. That group deals with publications, micro-filming and also acts as a depository for publications and documents.

Prior to working for Sandia Art was attending the University of New Mexico where he received a Bachelor's degree in Business Administration.

During World War II he served four years in the Army, half of that time he was a tank commander in the European theater.

JULIAN E. GROSS to supervisor of section 1411-2, Engineering and Operations Division.



"Chuck" has worked in the Electronic Research Department during his seven years with Sandia Corporation.

He came here direct from Massachusetts Institute of Technology where he received both his Master's and Bachelor's degrees in Electrical Engineering.

While at MIT he was a co-operative student at Bell Telephone Laboratories for three years. Every second term Chuck worked four months in a different BTL division.

Prior to college Chuck served two years in the Navy as an electronic technician.

He is a member of the Institute of Radio Engineers and Eta Kappa Nu, electrical engineering honorary, and Sigma Xi, engineering honorary.

JAMES D. APPEL to supervisor of Section 1263-3, Firing Set Development Division.



"Jim" came to Sandia four years ago from the Diamond Ordnance and Fuze Laboratory in Washington, D. C., where he had been an electrical engineer for a year.

From 1949-1953 he worked in the standardization and research laboratory of the Department of Commerce's National Bureau of Standards, also in Washington.

Jim studied Mechanical Engineering at the University of Maryland and at Pennsylvania State College, where he received his Bachelor's degree. At George Washington University in Washington four years later he was awarded a Bachelor's degree in Electrical Engineering.

He is a member of Sigma Tau, engineering honorary, the American Society of Mechanical Engineers and the American Institute of Electrical Engineers.

During World War II Jim served two years in the Navy Air Corps.

Industrial Photos by Sandian Illustrate Engineering Article

"Color Photography — A New Technical Language" is the title of an article in a recent issue of Product Engineer which features the work of Sandia Corporation photographer Richard E. Hodges (2462-1).

The photographs show corrosion on an inverter and yellow discoloration in a battery. The caption with one of the pictures notes that "Sandia Corporation's photography group and extensive materials test laboratory work closely together in making before, during and after photos to be included in the final test report."



HOT WEATHER TREAT. New Mexico Mountain Club members camped in five feet of snow recently near Taos. (L to R): Reed Cundiff, son of C. R. Cundiff (7132), Phil Leiserson (3152), Ray Harrison (2441), Hank Tendall (1215), and Dick Martindell (1522).



AIR STORAGE TANK for Sandia Corporation's wind tunnel facility (left) coupled to the present tank (right) together will store 5200 cubic feet of air to permit longer and more frequent tests in the wind tunnel. Demonstrating the site of the tank are Duane E. Randall (left) and S. S. Millwright.

Supersonic Winds Soon to Roar Through Sandia's Wind Tunnel

Sandia Corporation's wind tunnel is speeding up with the times.

New advances in rocket and missile design have created a need for greater wind speeds in the tunnel to perfect supersonic aerodynamic shapes.

Now being installed outside Sandia's tunnel building is a second air storage tank which, like the present tank, will store 2600 cubic feet of air. The two tanks coupled in series will permit more tests to be run during a day and allow more time for each test.

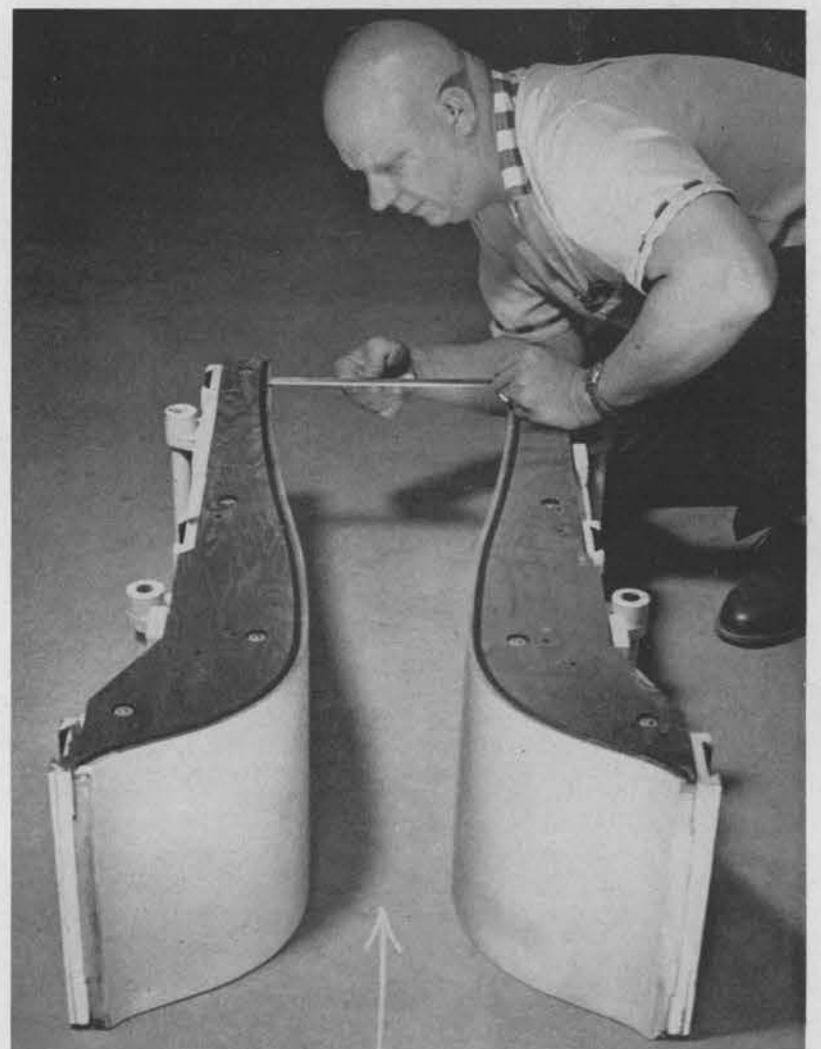
Supersonic nozzle blocks installed in the tunnel will push the air through the tunnel at speeds ranging from one and one-half to two and one-half times the speed of sound. The former capability of the tunnel was wind speeds of three-tenths to one and one-quarter times the speed of sound.

Wind Tunnel Building
An addition to the wind tunnel is expected to be completed by the end of the year which will enclose the small dust tunnel and other facilities directly east of the building. The addition, which will cost \$208,000, will include the installation of an air compressor, air-driers, vacuum pump and tank.
A supersonic pilot wind tunnel, to be built in the Sandia Model Shops (2100), will be installed in the building addition and will be used to work out design problems for a larger supersonic tunnel, planned for completion in 1960 at a cost of \$425,000.

Winds at Mach 9
When completed the high speed tunnel will be capable of subjecting test components to wind speeds of from three to nine times the speed of sound at temperatures ranging up to 2500 degrees Fahrenheit.

Three vacuum tanks, the first to be installed this year, will pull the air through the tunnel, permitting a faster flow of air. Each tank will be 27 feet in diameter and 32 feet high and each will have a storage capacity of 10,000 cubic feet of air.

Designs for the new facility were prepared by Divisions 5142 and 5143 of the Aerodynamics Department and the Plant Engineering Department (2440).



SUPERSONIC NOZZLE BLOCK which will give the Sandia wind tunnel a Mach 2 capability is being prepared for installation by Cecil Tolbert of the Experimental Aerodynamics Division (5142).

BTL's Dr. J. B. Fisk Will Head U. S. Talks on Nuclear Testing Ban

Dr. James B. Fisk, executive vice president of the Bell Telephone Laboratories, has been appointed by President Eisenhower to serve as chairman of a group of U. S. scientists to take part in a proposed meeting with Russian scientists on the possible halting of nuclear tests.

Dr. Fisk, who joined BTL in 1939, was described by the State Department as "one of the United

States' most distinguished scientists." He became vice president in charge of research in 1954 and was appointed executive vice president in 1955.

A former director of research for the Atomic Energy Commission he is currently a member of the President's Science Advisory Committee and a member of the General Advisory Committee of the AEC.