



EDITORIAL CONTEST winner for this month was Security Inspector William Bramlett (3242). L. J. Heilman (2600), a member of the Editorial Committee which voted on the best entry, congratulates Bill on winning a United States Savings Bond with his most timely views on fighting inflation. (See page 2.)

D. S. Tarbox New Director of 3200 Organization

D. S. Tarbox, manager of Plant Engineering Department 4540 for the past four years, has been promoted to Director of Security and Industrial Relations 3200.

He replaces G. A. Parker, who has returned to Western Electric's Hawthorne Works.

Mr. Tarbox has been at Sandia Laboratory for 13 years. His first job was in Field Testing, helping coordinate the requirements of the Laboratory and the contractors in construction of Salton Sea Test Base.

In 1950 he was promoted to division supervisor in the Plant Maintenance organization and the following year became department manager. Mr. Tarbox remained in this organization until late 1954 except for six months when he was a trainee in labor relations.

After a little more than a year as head of the Reclamation Department, he was transferred to Plant Engineering.

Prior to his employment at Sandia, Mr. Tarbox operated his own construction and engineering business in Ohio for a year.

During World War II he was in military service for four years and served as assistant post engineer at Sandia Base. He worked one year as a plant engineer for Good-year Aircraft in Akron after receiving his Bachelor's degree in

Series of Science Films Starts for Livermore Laboratory Employees

The first of a series of 20 science films will be shown to interested employees at Livermore Laboratory beginning Jan. 25.

The films, produced by the California Institute of Technology, will be shown during the noon hours in Rm. 249, Bldg. 912. Showings will take place on Monday, Tuesday, Thursday and Friday of each week and each film will be shown for two days.

First film in the series, "Mutations — The Raw Materials of Evolution," will be shown Jan. 25-26. "The Coldest Place in Town" will follow on Jan. 28-29 and "Measuring The Universe" is scheduled for Feb. 1-2. A complete list of the films will be posted on the bulletin boards.

Seating capacity in Rm. 249 is limited and employees will be admitted on a first come-first served basis. The film series, entitled "The Next 100 Years," was scheduled by the Employees Services Organization (8212-2).



Mr. Tarbox

civil engineering from the University of Akron.

Mr. Tarbox is a member of Sigma Tau, engineering honorary; and is a registered professional engineer in New Mexico.

Evening School Course Offered in Practical English

A course in Practical English is being offered by the Evening School for employees who feel a need for instruction in basic skills of reading, writing and speaking English.

Taught by Delber E. Wylder (3423), the course will be held on Wednesdays from 5:15 to 7:15 p.m. in Bldg. 301.



ORDERLY MOVEMENT of traffic at Main and F Street intersection is job of S/4c James Burns of the Sandia Base Military Police.

'Let's Face Communism Sensibly'

Second Call Out for Lab News Editorials

What are your views on Communism?

In any group of 10 Americans there would probably be 10 different attitudes. These might range from the individual who sees no menace from the Communists to the citizen who feels we must intensify our fight against Communist domination. When production figures and scientific advances are added to the ideological approach many new facets for discussion are revealed.

If you feel that your meth-

od of dealing with the Communists makes sense why not write an editorial for the Lab News? The subject for this month's editorial contest is "Let's Face Communism Sensibly."

All employees of Sandia Corporation below the level of department manager are eligible to enter the contest except those in the Public Relations Division.

The requirements are easy to meet — a limit of 500 words; the prize is worthwhile—a \$25 U.S. Savings

Bond.

Entries on the Communism topic must be in the Lab News office, Bldg. 829, before Feb. 1. Please include your name, organization and office telephone extension.

The winning editorial is chosen by the Lab News Editorial Committee and is selected entirely on material submitted. Names of the authors are kept secret from the Committee.

Start thinking now on how you think the Communist challenge should be met.

Sandia Corporation LAB NEWS

ALBUQUERQUE, N. MEX. • LIVERMORE, CALIF.

VOL. 12, NO. 2

Published every other Friday for the employees of Sandia Corporation, contractor to the Atomic Energy Commission

JANUARY 22, 1960

MP's Job Tough With 30,000 Vehicles Passing Gates Daily

Standing on a two foot square pedestal while cars whizz by in a steady stream is enough to unnerve anyone. Add to that a blazing hot noonday sun, a stinging sandstorm, limited visibility from falling snow or the sharp splash resulting from cars driving too fast through rain puddles and the feat becomes even more difficult.

These are conditions experienced by Military Policemen on Sandia Base in their daily job of directing civilian and military traffic during the rush hours.

Since approximately 30,000 vehicles pass through Sandia Base gates each day these soldiers are the military men most frequently seen by the majority of Corporation employees.

From their locations at 19 busy intersections, the MP's speed as many as three lanes of home- or work-bound drivers on their way and give individual hand signals to all turning vehicles.

The "rush hour" on Sandia Base is short, but on some streets the lanes of moving traffic may be literally a mile long. Traffic problems and demands parallel those of cities of more than 100,000 population, yet are handled by 30 men assigned to the Traffic Section.

These men are handpicked early in their Army life and are schooled in all aspects of police-work. At Sandia Base those with outstanding aptitude in traffic control undergo advanced training and receive extensive on-the-job experience before they are assigned to a particular corner.

In addition to directing traffic

these military policemen are called upon frequently to give directions to persons unfamiliar with the base, escort school children safely across streets near the two schools, and keep an eye on the "no parking at anytime" yellow curbs, which designate fire zones, loading zones and hazardous roadways.

The efficiency and sound judgment of these military policemen is attested by the base safety record of less than one minor traffic accident per 300,000 vehicles.

According to Sgt. B. Broadnax, who heads the Traffic MP's, the

average Sandia Base motorist shows commendable driving practices. "Our problems," he said, "include motorists following another car too closely, driver pre-occupation, icy pavements, mechanical failures, the mother driving and wrestling children at the same time, and the driver who sees the world through a tiny square cleared through the frost on his windshield."

It's not hard to imagine the chaos that would result if for one day there were no military police-

(Continued on Page 8)

Editorial Comment

A Tip of Our Hat . . .

Tribute is paid in this issue of the Lab News to some too-seldom recognized servicemen on Sandia Base. They are probably as good a friend as the Sandia employee-motorist has — even if neither party knows it.

We're talking about the Military Policemen who direct traffic at Base intersections during rush hours.

Within the past few months we have seen those stalwarts steaming in the heat, soaked by the rain and shivering in the cold. We've even seen a few nearly drowned from slush splashed on them by passing cars. But most important, we've seen them get the many thousand cars onto and off Sandia Base with dispatch. If it ever becomes necessary to prove their worth it could be done by giving all of them a three-day pass — in the middle of the week. The resulting automotive confusion (and probably smashed fenders, frayed tempers and late arrivals) would more than convince us that they are necessary and to be valued.

These Military Policemen have an important duty to perform and they are acting under military orders. Civilians driving on Sandia Base have a duty, too, and that is to do their part in seeing that these orders are carried out.

A driver on Sandia Base owes the same respect to the Military Police that he shows city and state police off the Base.

Having been a member of the Corps of Military Police in the past this writer knows what it is to be unloved. However, we feel that the service these young men render the Sandia employee is superior and deserving of our cooperation.

'Great Decisions' Program to Receive Nationwide Note

Participants in the "Great Decisions 1960" program in February and March will have a variety of sources of up-to-date background information on the eight topics of foreign policy they will be discussing.

Special newspaper articles, TV programs, tape recordings, and a noon-hour movie are among the media of information available. These will supplement the regular Great Decisions fact sheet kits, according to Lynn Castle (3132), chairman of the Albuquerque Great Decisions Committee.

"Although the fact sheet kits

contain the basic information necessary for a person to discuss the eight topics," said Mr. Castle, "the additional information will be a valuable help."

Mr. Castle announces that, beginning Feb. 3 and appearing in eight consecutive Wednesday issues, the Christian Science Monitor will spotlight one of the "Great Decisions" for 1960 as full-page features.

Group Rate Available

Interested individuals may subscribe to the series of eight issues for 80 cents or purchase individual

(Continued on Page Four)

Inflation—Its Dangers to the Wage Earner

The following editorial was written by William O. Bramlett (3242). Mr. Bramlett presents his own theories on "Inflation — Its Dangers to the Wage Earner."

Today, in Albuquerque, and across the nation, prices of the basic commodities of American living have risen more than a fourth through the last ten years. The average dollar in 1960 buys less than three-fourths as much as it did in 1950.

Allowing for desirable natural growth in prices as a result of additions to the labor force because of growing population, an increase in the number and variety of products on the market, better and more comfortable ways of living, and a more just and equitable distribution of wealth among the citizens of the country, there still remains some degree of undesirable inflation in the nation's economy.

To what degree inflation exists cannot be measured by any known methods. Certainly it is not at the "galloping" or "runaway" stage, yet. Some economists hold that inflation for this generation is less than for the preceding one. To prove their contention they cite, among other figures, the fact that the average annual increase in consumer prices was about 80% higher during the period 1891-1922 than has been the average annual increase from 1922 to now.

The same economists point out that despite rising prices, the industrial, social, and economic progress of the United States has been the marvel of the civilized world.

Nevertheless, inflation is with us, and its rate could accelerate, and it could bring on economic chaos. Then, the person who had saved money for protection in his old age would find it practically worthless, the pensioner and the widow who live on a fixed income would be hard pressed to exist, the family could not pay for its groceries and rent.

An economic picture of this kind, framed within this rich land of ours, is difficult to imagine, but it is conceivable. If it should become a reality, the wage earner would suffer most.

Price inflation comes from either an insufficient amount of commodities on the market, or from too many dollars — cash or credit — within the control of potential buyers. In either case, prices rise, and the dollar purchases less.

Whether our present inflation is caused by too little production, or by too many dollars competing for what is produced, cannot be determined, just as its degree cannot be measured.

Regardless of its degree, or its cause, the present inflation has engendered a great deal of fear of what may happen, and from this fear springs many dangers to the wage earner — the laborer, the skilled tradesman, the white collar worker, and indeed to any employee whose principal source of income is wages or salary.

The fear of uncontrollable inflation has led to hindrance and curtailment of such worthy projects as slum clearance, governmental assistance to the aged, federal aid for educational needs, in the last Congressional session.

At the same time, alarm over inflation led to the abandonment of federal projects intended to develop unused water power and soil resources. It increased interest rates which the home buyer pays.

Fear of inflation has led to holding back in our national defense program, in the face of real physical danger from a powerful foe. It has caused the President, or the Congress, or both to reduce or cancel needed appropriations for research and development of weapons and means of defense.

Concern over inflation has contributed to preventing those in the armed services and employees in the Civil Service from receiving adequate compensation in wages.

Fear of inflation has entered increasingly into collective bargaining between employee and employer, reaching its peak in the current steel strike, one of the longest in the history of the steel industry.

Here the wage earners fear that the benefits offered by the employers will be inadequate to meet the shrinking value of the dollar. In this view they are supported by practically all of organized labor.

Steel producing employers fear that granting the benefits which the workers say they must, and are determined, to have will lead to harmful acceleration of the shrinkage, and this fear is shared by a large percentage of industrial ownership.

Fear of inflation, and the social, economic, and industrial ills attendant upon this fear is a real and present danger to the wage earner.

There are other dangers. If our present inflation nearly reaches "runaway" proportions, it will certainly be met before it gets into that stage by direct governmental intervention. This could mean absolute control of prices, wages, and industrial production, by the federal government.

Governmental intervention can be justified as a necessity when the situation demands it. But there are grave dangers to personal freedoms and to freedom of enterprise inherent in it, if it should come about. Here again, the wage earner would suffer.

Ed Bales Ill

Ed Bales (2451-3) suffered a heart attack on Christmas day while visiting relatives in the San Francisco Bay Area. Livermore Laboratory friends may visit him in the Brookside Hospital, Richmond, Calif. It will probably be several weeks before Ed is able to return to Albuquerque.

On Church Council

Five Sandians were recently elected to the Council of the St. Lukes Lutheran Church. They are Bob Mueller (4412), Robert Neel (1218), Richard Knutson (1262), William Puder (2631) and Marv Sektan (3431).

Speaks at Wisconsin

D. W. Ballard (2541) recently participated in an Engineering Institute on Nondestructive Testing sponsored by the University of Wisconsin. Mr. Ballard presented a lecture on "Selecting the Proper Test Method."

New Homes

Despite wintry weather Sandians continue to move into new homes. Gerhard Horn (4251-1) and his family are now settled at 820 Cagua NE.



FORMER PRESIDENT of Sandia Corporation James W. McRae (center) enjoys a light moment with Dr. Edward Teller (left), Director of the Lawrence Radiation Laboratory, and W. J. Howard, Director of Systems Development (8100), during briefings held at both Livermore, Calif., laboratories last week.

Congratulations

Born to:

Mr. and Mrs. L. F. Dyer (1614-4) a daughter, Diane, on Dec. 31.

Mr. and Mrs. Paul Coronado (8223-3) a son, Donald Gene, on Jan. 5.

Mr. and Mrs. Gerald McNutt (8152-1) a son, Gregory Charles, on Jan. 2.

Mr. and Mrs. John A. Kaczar (2722) a son, Mark Andrew, on Dec. 24.

Mr. and Mrs. J. H. Smith (1261-2) a daughter, Susan Lynn, on Jan. 10.

Mr. and Mrs. John Middleton (2543) a daughter, Lisa Annise, on Dec. 29.

Mr. and Mrs. Frank Murar (8153) a daughter, Donna Lee, on Nov. 6.

Mr. and Mrs. Jake F. Gonzales (4254-2) a daughter, Gina Louise, on Jan. 12.

Mr. and Mrs. John L. Newton (4252-7) a son, Bruce John, on Jan. 7.

Welcome Back

Co-workers of Alice Priest (4423-1) welcomed her back to work after recent surgery.



Faye Schultheis (5216)

Take a Memo, Please

If as much time was spent in eliminating the contributing factors to accidents as is spent in thinking and talking about accidents that have already happened, there might be fewer accidents to talk about.

Weddings and Engagements

Katherine Klus (8212-3) recently announced her engagement to A/2C Jim Coleman.



Miss Klus

Kathy has been with Livermore Laboratory since last October.

The couple plans a June wedding.

Ferne Saylor (formerly of 8161-2) became the bride of Bryan L. White in San Rafael on Jan. 16. Members of the wedding party included Irmal Brown (8116-2) and his wife, Dave Knetzer (8161-3), Susan King (8212-3), Dick Cook (8161-1) and his wife.

After the wedding the bridal party drove to the Livermore home of R. E. "Smokey" Maxwell (8225) and his wife, Dortha (8212-3), for a reception.

Feb. 6 has been set for the wedding date of Anna Averty (4135-1) and Don Fowler of Albuquerque. A small home ceremony is planned.

Anna has been with the Corporation since December 1952.

Bachelors No More

Two Livermore Laboratory bachelors took brides during December. They are Jim Olsen (8115-2) and Phil Leiserson (8212-2).

Jim was married Dec. 5 to Shirley Betz and they now reside at 389 Andrews St.

Phil married a Decoto school system teacher, Alice Wing Peckworth. They flew to the bride's New Jersey home Dec. 28 for the wedding and are now in their new home at 1525 - 167th Ave., San Leandro.

J. W. McRae Attends Briefings Being Held At Livermore Laboratory

James W. McRae, vice president of the American Telephone and Telegraph Company and former president of Sandia Corporation, visited Livermore Laboratory last week and attended briefings at the Lawrence Radiation Laboratory.

Mr. McRae attended the meetings in his capacity as chairman of the weapons sub-committee of the general advisory committee to the Atomic Energy Commission. He was appointed to the committee in 1958 by President Eisenhower.



FIRST ROCKY MOUNTAIN bighorn sheep ever taken on a licensed hunt in New Mexico was killed by Tom Corpe (1331) above Juan Tabo Canyon in the Sandias. The ram dressed out at 176 pounds. Only one other sheep was taken on the hunt.

Getting Well

Convalescing at home from a recent illness is Don Rauber (3423). He is expected to be able to have visitors before long.

Get well wishes are extended to Joe Darginis (8115-1) who is confined to the Livermore Veterans' Hospital.

Wishes for a speedy recovery are sent to Ralph Martin (4424-1). He is now in the Sandia Base Hospital following his recent automobile accident.

Sympathy

To A. B. Moulder (1222) for the death of his wife on Dec. 30.

To Theodore Thomas (8116-1) for the death of his father-in-law in Pennsylvania on Dec. 28.

To Maxine (8212-3) and Dick Watkins (8162-1) for the death of Maxine's father in Kansas on Jan. 10.

To Thomas O'Kelley (8234-1) for the death of his father in Missouri Jan. 10.

To Dave Hillyer (8121-2) for the death of his father in Kansas on Jan. 8.

To J. R. Sublett (2560) for the death of his mother in Merkel, Texas, Jan. 12.

To Max Holroyd (4132) for the death of his mother in Winfield, Kan., on Dec. 29.

To Coleen Ackerman (8212-4) and Lori Doyle (8232-2) for the death of their sister-in-law in Oakland, Calif., Jan. 10.

Sandia Corporation
LAB NEWS
ALBUQUERQUE, N. MEX. • LIVERMORE, CALIF.

The Lab News is an official publication of the Sandia Corporation, Albuquerque, N. M.
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Deadline
Friday noon of week
prior to publication



Member Association of Nuclear Editors, Border Council of Industrial Editors
and affiliated with International Council of Industrial Editors.

Educational Aids Application Must Be Received by Feb. 4

Spring semester classes at the University of New Mexico will start Feb. 8, but Corporation employees wishing to enroll under the Educational Aids Program have only until Feb. 4 to complete the required forms.

According to W. H. Bailey (3131-2), educational counselor, neither the application for educational aid nor the advance tuition form will be accepted by his office after that date.

The procedure for advancing 50 per cent of the tuition, started with the Fall semester, will continue. In addition, employees may attach to their application a personal check, made payable to the University of New Mexico, and thereby avoid the UNM Cashier's line during registration. Three employees from Division 3131 will be at Johnson Gym during registration Feb. 5-6 to assist Corporation students.

Mr. Bailey also pointed out that Sandians participating in the Educational Aids Program must see him before leaving Johnson Gym so that their EAP application may be checked against the university program card.

Credit courses to be offered evenings by the UNM Community College, which may be of interest to Sandians, include:

- Architecture**
Seminar 197, Beginning Drawing, and Hispanic Art.
- Business Administration**
Business Law, Credits and Collections, Collective Bargaining, Hu-

man Factors in Administration, Security Analysis, Seminar in Marketing, and Seminar in Industrial Management.

Accounting
Principles of Accounting 5B, 6B, Intermediate Accounting I, Intermediate Accounting II, Income Tax Accounting, and Advanced Cost Accounting.

Business Education
Intermediate Typewriting, Short-hand Theory, Beginning Dictation, Office Machines and Filing, Advanced Typewriting.

Chemistry
General Chemistry, 1B, 2A, General Chemistry Lab 1LH, 2LJ, 2LK, Organic Chemistry 101, 102, Organic Chemistry Lab 103L, 104L, Physical Chemistry, Special Methods of Quantitative Analysis, and Advanced Seminar in Physical Chemistry: Statistical Mechanics.

Economics
Introduction to Economics 51A, 52A, Business Fluctuations, and Recent Economic Theory.

Chemical Engineering
Chemical Calculations, Seminar.

Civil Engineering
Applied Mechanics (Statics), Structural Analysis—Statistically Determinate, Engineering Contracts and Professional Relations, Earthwork and Foundation Engineering, Transportation and Traffic Engineering, Advanced Indeterminate Structures, and Reinforced Concrete Design II.

Electrical Engineering
Principles of Electrical Circuitry I, Principles of Electrical Circuitry Lab, Principles of Circuits II, Principles of Circuits Lab, Traveling Waves, Traveling Waves Lab 112LC, Electrical Circuit Analysis, Instrumentation and Transducers, Servomechanics, Solid State Engineering, Computer and Wave-forming Circuits, Electronics Lab III, Electrical Engineering Principles for Advanced Students, Communication Theory, Microwave Techniques, Advanced Control Systems, and Seminar.

Mechanical Engineering
Thermodynamics II, Dynamics, Fluid Mechanics, Heat Transfer, Industrial Engineering, Petroleum Production, Design Analysis II, Similitude in Engineering, Gas Dynamics, and Applied Elasticity.

Mathematics
Intermediate Algebra 2C, 2D, College Algebra 15C, 15D, Plane Trigonometry 16J, 16K, Calculus and Analytic Geometry 50C, 50D, 51D, 51E, 52C, Introduction to Modern Algebra, Introduction to Higher Geometry, Mathematical Statistics 133, 134, Applied Advanced Calculus 147, 148C, Theory of Numbers, Principles of Applied Mathematics, Partial Differential Equations, Topology, and Functional Analysis.

Physics
General Physics 60B, 61, 62B, General Physics Lab 63LH, 64LK, 64LL, Heat Laboratory, Electricity and Magnetism, Atomic and Nuclear Physics, Physics of Matter, Methods of Theoretical Physics, Contemporary Physics, Methods in Theoretical Physics (Advanced), and Quantum Mechanics.

Noontime Movie Schedule Released For Next 2 Weeks

Sandia Laboratory's noon hour movie schedule for the coming two weeks is:

- Jan. 25-26-27**
"World In His Arms" with Gregory Peck, Ann Blythe, Anthony Quinn (color).
 - Jan. 28-29**
"Face of Red China" (B&W).
 - Feb. 1-2-3**
"Battle Hymn" with Rock Hudson and Martha Hyer (color).
 - Feb. 4-5**
"The Mole People" with John Agar and Cynthia Patrick.
- All movies start at 12:10 p.m. in the Sandia Base Little Theater which is located south of the Sandia Base Military Cafeteria. Each showing lasts about 35 minutes.



SHE WASN'T HIT—In fact the photographer "tricked-up" this shot and there was no danger to anyone. It's used here as a dramatic admonition to parking lot hot rodders. Parking lots are not drag strips. Common sense and courtesy exercised by motorists will prevent many accidents.

Increased Enrollment Expected in Out-of-Hours Program This Spring

More than 1000 employees are expected to enroll in Sandia Laboratory's out-of-hours courses for the second semester starting Feb. 1. They can select from the largest number of courses ever established to meet known laboratory requirements. The out-of-hours educational program is aimed at helping each employee develop himself to the limit of his abilities.

Registration procedures have been changed slightly. Employees wishing to take a course must complete an application card and have their section supervisors sign the card. Then the card should be mailed to Technical Training and Education Section 3132-1, Bldg. 813.

For the first time textbooks for courses will be furnished by the Corporation, with the understanding that they are to be retained by employees who satisfactorily complete the course they are taking.

If an employee does not complete the course satisfactorily or if he terminates, he is required to return the textbook to the

Technical Training and Education Section.

Bulletins containing classes and schedules were distributed this week in Corporation booklet racks. Listed in the bulletin are 14 staff technical noon-hour courses, five of which have two or more sections, five clerical noon-hour courses and 38 evening courses.

Classes being offered for the first time and their teachers are: Industrial Electricity, Marvin E. Range (4542); Air Conditioning II, H. H. Baxter (4543); Shop Sketching, J. P. Pupelis (4412); Steam Plant Operation, E. L. McHugh (4510); Practical English, D. E. Wylder (3423); Elements of Engineering I, A. M. Hill (1313); Basic Technical Drawing, Rupert McHarney and C. E. Sprigg (3463); Advanced Calculus, L. E. Bothell (1613); Survey of Electronics for Technical Writers, Joe F. Calek, (5523), and Plastics IV.

A minimum enrollment of 10 must be maintained, except for a few courses which are required for trade apprentices.

'English for Engineers' Class to Be Presented During Noon Hours

Employees desiring to increase their knowledge of English grammar are invited to enroll in "English for Engineers," which will be held on Mondays, Wednesdays and Fridays at 12:05 p.m. The course will be taught by William F. Carstens and Jim L. Fife (3423). It is especially prepared for persons in secretarial, clerical and staff assistant categories; however, others are welcome.

Emphasis will be given to parts of speech, punctuation, sentence structure, sentence simplification, critique of memoranda and writing reports. The subject material will be similar to the course formerly entitled "English Grammar and Correct Usage."

People with different language background desiring training in English should enroll for the course "Practical English" taught by Delbert E. Wylder (3423) at 5:15 p.m. on Wednesdays in Bldg. 302.

Industrial Electricity Lab to Be Taught In Evening School

Industrial Electricity Lab, a supplement to the Industrial Electricity I lecture, will be taught by Marvin E. Range (4542) on Monday evenings at 7:30 p.m.

New equipment for the course has been developed, including electrical circuit panel boards.

Employees who have had Industrial Electricity I lecture and those who are currently enrolled in that course are eligible for enrollment in the Lab class.

Classified File Clean-up Campaign Gets Good Results at Sandia Lab

Maybe George Washington's cannonball designs didn't show up in the recent classified file clean-up campaign conducted throughout Sandia Laboratory, but many obsolete, duplicated and unnecessary documents did.

With more than 70 per cent of results in, 11,667 of the documents removed from the files were destroyed, 1347 were returned to Central Files and 1203 were sent to Archives.

Tom Hanna, supervisor of Document Security and Investigation Section 3231-1, says that many organizations indicated they already have a periodic file cleaning routine. One division reported it had reduced its inventory figure from 195 in October 1957, to 52 at the end of December 1959, simply by regularly cleaning out files.

Because of recent reorganizations, many groups found it necessary to clean out files earlier, and thus had no figures to report. Several divisions reporting back gave praise to their secretaries for keeping files uncluttered.

Tom emphasized that organizations which haven't sent in the re-

sults of their clean-up campaign should still do so.

Following is a breakdown of results by vice presidencies:

Org	Destroyed	Files	Central Ar-chived
1000	5146	540	247
2000	967	60	9
3000	2011	267	274
4000	830	24	544
5000	2706	456	129
6000	7	0	0

S. P. Schwartz, vice president and general manager, commenting on the recent campaign, "The splendid cooperation of all Sandia organizations charged with the clean-up campaign on classified files is indeed encouraging and speaks well for our general security awareness during 1960. Some interesting and informative statistics have been produced and, what is more important, a more alert attitude toward proper handling and disposal of classified documents seems everywhere apparent."

Sondra Hunter (8212-3) and her family recently moved into their new home at 845 Resota St., Hayward.

What did YOU find?



Calendar Scientific and Technical Societies

Jan. 22
American Society for Quality Control
New Mexico Union Bldg., Room 250B, UNM
8 p.m.
Speaker: Leon Bass, Manager, Quality Control
General Electric Co., Jet Engine Plant,
Cincinnati, Ohio
Topic: Statistical Methods for Engineering
For further information contact
John Gaskins, ACF, CH 7-0361, Ext. 263

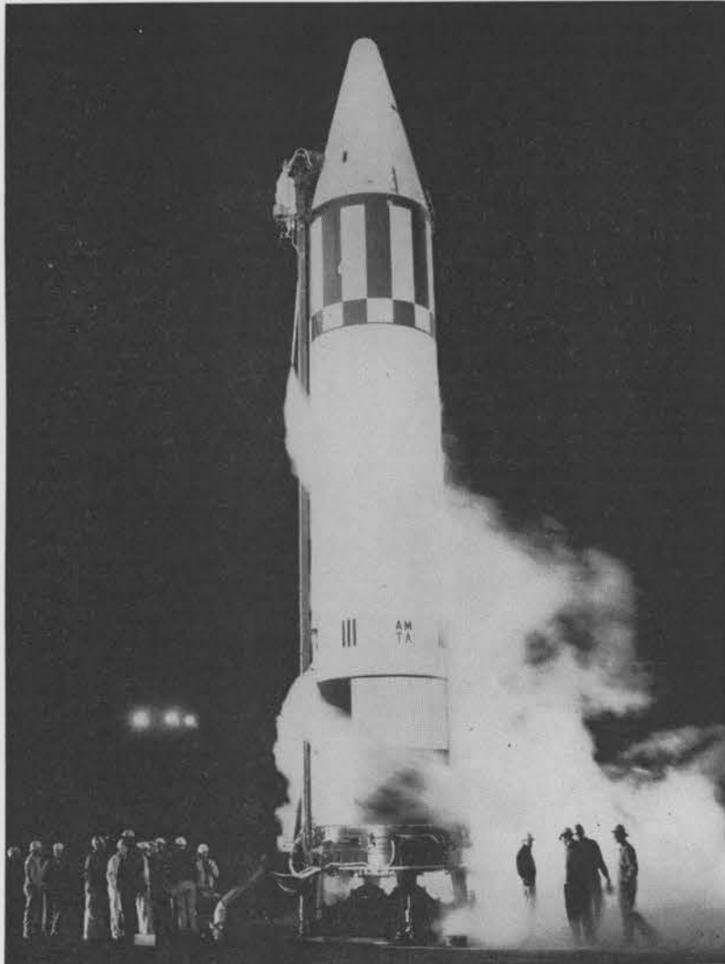
Jan. 25
National Society of Professional Engineers
Albuquerque Chapter
Southern Union Hospitality Room
7:30 p.m.
Program: Election of Officers and
Committee Reports
For further information contact
W. F. Scott (1282), Ext. 20147

Jan. 27
Amateur Radio Caravan Club of New Mexico
Lovelace Clinic Radiation Lab.
8 p.m.
Speaker: Oris Rich, K5YJO, Field Maintenance
Engineer, Tektronix, Inc.
Topic: Phone Patches
For further information contact
Bob Foster (1651), Ext. 27231.

Feb. 1
Institute of Radio Engineers
Sandia Base Officers Club
Awards Dinner
(Advance Registration Required)
Speaker: J. P. Molnar, President,
Sandia Corporation
Program: Mr. Molnar and Glenn A. Fowler
(5000) will receive IRE Fellow awards
For further information contact
R. C. Spence (5223), Ext. 23249

This information compiled by New Mexico
Council of Scientific and Technical Societies.

Sandia's Thunderbird Prominent at Cape Canaveral



THIRTY MINUTES before firing time of a Jupiter missile vapors surround the "bird." Cables leading off to the left of the rocket carry wires to control Sandia-installed telemetering equipment.

Continued from Page One . . .

'Great Decisions' Program

ual copies at 10 cents each by contacting Mrs. Mildred R. Harris, AL 5-0117.

Special arrangements have been made whereby Sandia employees may get a special rate of 40 cents per series. Such group orders must be for four or more copies of the series. These orders, accompanied by cash and the name of one person to whom the whole order will be mailed, should be given to the Public Relations Division 3431, Bldg. 829, before Feb. 1.

Plans have also been announced for a series of Great Decisions TV programs. R. C. Colgan (3431), moderator and associate producer of the series, explains that the programs will feature local persons, experts in their fields, in an informal conversation-type show. Among the speakers slated to appear are R. B. Powell (3000), A. Y. Pope (5140), and D. J. Jenkins (3130).

The eight weekly telecasts will originate in the studios of KNME-TV and will also be carried by KOB-TV and, if program scheduling permits, KGGM-TV and KOAT-TV. The initial program, "Communist Timetable for 1960—What Odds?", will be carried simultaneously by KNME-TV and KOB-TV, Feb. 7, from 3:30 to 4:00 p.m.

Sandians Explain Program

At a recent meeting of persons interested in Great Decisions Program, Mr. Powell spoke on the meaning of the "Great Decisions" program today, and Mr. Pope commented on a neighborhood discussion group of 1959.

Tape recordings are now available of a special radio program broadcast earlier this month. Featuring top NBC overseas news correspondents discussing the various topics of Great Decisions 1960, the broadcast was the kick-off

for this year's program. Employees may call Public Relations Division, ext. 44264 or 21253, to reserve the tape.

"The Face of Red China," a film described elsewhere in today's Lab News, will be shown during noon hours on Jan. 27, 28 and 29 in Building 894 and the Base Little Theatre. This recent prize-winning movie will tie in with the February topic, "Red China on the March—What U. S. Action?"

The Fact Sheet Kits, costing \$1, are still on sale at Employees Services, Technical Library in Bldg. 802, Base Library, and the Public Library and all its branches. These kits contain an introductory booklet, individual fact sheet, opinion ballot, and bibliography for each topic, and tips for leading or taking part in a discussion group.

To determine the number of Sandia employees planning to participate in the local Great Decisions program, Lynn Castle has requested that such persons fill in the attached coupon and mail it to him.

Booklet on 'Communist Indoctrination' Is Again Made Available

A limited number of copies of the booklet, "Communist Indoctrination — Its Significance to Americans," is available in the Public Relations Division 3431. Employees wishing copies may obtain them by calling ext. 26135.

The booklet, an Army major's report on the breakdown of U. S. soldiers' will to resist while in a Chinese prison camp during the Korean War, was distributed in the booklet racks last July.

"Look for the lighthouse."

That's the guidance given travelers to Cape Canaveral who are visiting Sandia Corporation's facility there for the first time—and on official business. The Sandia building, with a prominent sign and the familiar Thunderbird shield, is right across the road from the famous old lighthouse which has for perhaps a century warned coastal craft away from the jutting cape and shoals.

Finding the lighthouse from the landward side, however, and in daylight, is something of a chore nowadays. It is but one tower among many as the number of missile test stands and gantries continues to grow. There are now more than 15 major launching locations in the vicinity of the lighthouse and Sandia personnel are well acquainted with most of them in the course of their official duties.

What are we doing at the Cape? Installing and checking out telemetering packages which are used

to monitor the operation of non-explosive warhead components during missile flights. Sandia Laboratory, well known as "the AEC's principal ordnance engineering installation," has major responsibilities in the development of warheads for many of the "birds" that fly from Canaveral. Birds such as these will rise to defend us against attack or in counter-offensive if the need should arise.

Sandia's Orphans

Sandia's activities at Cape Canaveral, or more accurately the Atlantic Missile Range, came into prominence some five years ago. Since then Sandia's small group of Field Test personnel and visiting project engineers from Sandia and Livermore Laboratories have labored in silence and without publicity. In this issue of the Lab News their story is being told for the first time.

Sandia's latest telephone directory lists permanent party Sandians in 5255 as "AFMTC Operations Division," the letters meaning "Air Force Missile Test Center." The letters AFMTC are still seen on the gate to the range and on numerous official signs, letterheads, buildings and vehicles, but for over a year now the official name has been "Atlantic Missile Range."

Only recently was the Sandia Corporation facility identified by a prominent sign. Although there aren't many non-Sandia visitors to the building, the Thunderbird insignia and neat Sandia signs are a boost to the morale of the half-dozen or so employees who are "Sandia" to the people at the Cape.

This Is Canaveral?

"Imagine for a moment, a desolate expanse of sand and snarled brush that juts out into the Atlantic like a bent elbow. Alligators bask in its swamps, snakes infest its undergrowth, birds of many species wing its air lanes, and hordes of voracious mosquitoes drone in its thickets. Of human habitation there are but few signs—a venerable lighthouse and some forlorn old houses."

"That would be Cape Canaveral a decade ago," wrote Allan C. Fisher, Jr. in the National Geographic magazine recently. But the picture he paints of the Cape today, and the impression gained

by visitors (who must have official business to be admitted) is entirely different now.

This "6,000 mile shooting gallery," as it is called by Maj. Gen. Donald N. Yates, Range Commander, represents a capital investment of \$500,000,000 by the U.S. It is a veritable beehive of activity, with over 18,000 workers.

Although it is an Air Force installation, Pan American World Airways runs the range. Radio Corporation of America Service Company provides and operates the vast technical facilities including all instrumentation from Canaveral to Ascension Island and all along the way.

Modern Bird Watchers

RCA's "bird watchers" or missile trackers collect a vast amount of information about each missile that is fired. A ballistic rocket is one of man's most complex creations. Its electronics system alone may contain 7000 items. There plus several thousand other parts must function perfectly. If they do not, engineers need to know what went wrong and why.

RCA records ballistic performance information including a great deal of data about temperature, pressure, altitude, course and speed—sometimes as many as 16,000 readings for each minute of a flight. RCA also records many channels of information about warhead component performance. This latter information is turned over to Sandia for analysis and appropriate action.

Sandia personnel are responsible for installing the components and the telemetering gear in the various missile nose cones when a warhead test is included. In many cases this means a long and painstaking series of operations which might be summarized as follows:

1. Delivery of components and telemetry package to Canaveral.
2. Installation and checkout of telemetry instruments in warhead.
3. "Marrying" the warhead to the nose cone.
4. Delivery of the nose cone to the missile contractor.
5. Checkout (again) of all telemetry circuits.
6. Participate in missile countdown and firing.



"MR. TROY" leads Letha Stewart, Sandia's Canaveral receptionist, out the door for a breath of Florida air. Letha is an ardent booster for the state.



CANAVERAL FIRING brings the Sandia staff out-doors to watch the spectacular ascent of a rocket.

(Clip and mail to Division 3132)

Name (print)..... Organization.....

Home address

I am planning to participate in "Great Decisions 1960" by:

- leading a discussion group,
- being a member of a discussion group.

Colloquium Speakers Announced for Two Sandia Programs

L. A. Beavis (1413) and R. H. Opperman (1411) will speak on "Low Energy Pulsed Particle Accelerator" at a Development Seminar on Thursday, Jan. 28, at 9:30 a.m. in Bldg. 815. Tickets are not required for the meeting, according to Craig C. Hudson, Colloquium chairman.

"Artificial Neutrons" will be discussed by Dr. Leon D. Harmon, Bell Laboratories, at a Research Colloquium on Wednesday, Feb. 3, at 9:30 a.m. in Bldg. 815. Tickets will not be required for this meeting.

Livermore Laboratory Reports Increase in Activity During 1959

Livermore Laboratory doubled its purchasing activity during 1959, increased its personnel and boosted its payroll.

The Laboratory placed 9000 purchase orders with commercial firms during the year, valued at over \$7,485,000. Eighty-five per cent of the orders were placed in the Bay Area. During 1958 the Laboratory placed more than 4000 orders.

Personnel at the Laboratory increased from 534 to 811 in 1959 and the payroll amounted to \$4,168,000, an increase of \$1,400,000 over 1958.

Missile Facility

7. Quick look analysis of recorded data and recovered parts, if any.

From this it can be seen that Sandia's interests can only be served if the launch and flight data range are successful. A missile which fails to take off properly or which has to be destroyed in the early stages of its flight, yields little usable data on operation of warhead components.

Sandia's Gal Friday

Serving as a very pleasant receptionist, secretary, Gal Friday and confidante of the devoted male Sandians at Canaveral is Letha Stewart. Inspired by her example and some gentle hints now and then, the boys keep the place looking ship-shape all the time.

Letha's "closest" friend is her faithful black dog, Mr. Troy, who sleeps under her desk most of the time, with his head extended trustingly into the aisle next to the front entrance. Another badge-bearing canine who for several years occupied a similar spot in the next room was Susan, genial cocker-poodle cross owned by Bob Male.

Bob has recently been succeeded at the Cape by Keith Smith as Section 5255-1 supervisor. Bob Male had been at the Cape for five years. Bob Pace is another old hand, having been there nearly six years. Paul Roper, Bill Arnold and Bill Gault have been with Sandia at the Cape less than a year.

Letha is an enthusiastic booster of the Florida scene and has become well acquainted with the highways and byways of the Everglades and environs. She and a group of other Sandia employees took a 60-mile boat trip last year through the Florida wilderness to Silver Springs.

Every weekend there is something new to do or explore, but not on the Cape itself. Insects have been pretty well controlled, but the bush still bristles with snakes, alligators, spiders and vermin. A 5-foot rattler was killed recently close by the Sandia building, and 7-footers are not uncommon.

Pet People-Eater

One of the alligators, a 7-foot specimen, has been turned into a pet by the people at the Cape. In a fresh water pond near the Sandia building he drowns in the open. Occasionally he warily comes toward the humans who have befriended him with food. The lake in which he spends his sheltered life figures in the legends of the area.

As recalled by old timers as the spot where north-bound sailing vessels put in to fill their water casks. This gave rise to reports that pirates buried a fortune in gold and jewels in the vicinity of the little lake.

The Cape itself, extending out

into the sea lane as a shallow shoal, snared many a vessel in bygone years. The sea floor abounds in relics of the past. It used to be a great hunting ground for skin divers and fortune seekers, before it became a missile range.

Meanwhile, Back at the Range...

As a missile launching countdown approaches, the activity in the vicinity of the gantry involved reaches a fever pitch. For Sandia engineers about to send their "baby" on a long, hot ride, the last minute checkout is sometimes a matter of crawling up into the nose of a 100-ft. monster. Here they make final adjustments in the jam-packed warhead telemetering package.

The amount of information desired from such telemetering instrumentation necessitates a very complex and compact package of electronic gadgetry in addition to the warhead components themselves. At the Cape they have a name for a "real rat's nest" of circuitry; it's called a "cluge."

When they retire to the blockhouse and await the countdown in the familiar tenseness of every firing, Sandians are all done with their chores except to take one final check on the operability of their nose cone package. This is accomplished on a panel of instruments in the blockhouse at each major gantry location. These are Sandia-AEC instrument panels, but when that last check is complete, the reins pass to RCA technical people who will then record the telemetered information for Sandia when the bird takes off on its long journey down range.

Back at the Sandia Corporation building, a few blocks away, the main telemetering rack is warmed up and ready to record selected information if desired. It is used to check-out telemetry prior to and during countdowns and to obtain "quick look" information of immediate interest to Sandia.

In addition to the main telemetering rack there is a spare telemetering rack in the main bay of the Sandia building, used for pre-test checkout of systems. Around the main bay are smaller rooms used for offices, storage and shops. An overhead crane in the main bay can cover every foot of floor space for loading, unloading and moving units and equipment. Roll-up doors, 16 feet wide at each end, permit large vehicles and cargo to enter.

Communications

While Sandians are interested primarily in their own systems and communications, there are many other communications media available and used daily by other contractors and agencies. These include Teletype, telephone, intercom, submarine cable systems and radio networks.



SANDIA POSITION in Jupiter blockhouse is manned by Robert M. Male during a countdown. Bob was recently replaced at the Cape as Sandia's supervisor of Section 5255-1 by Keith Smith.

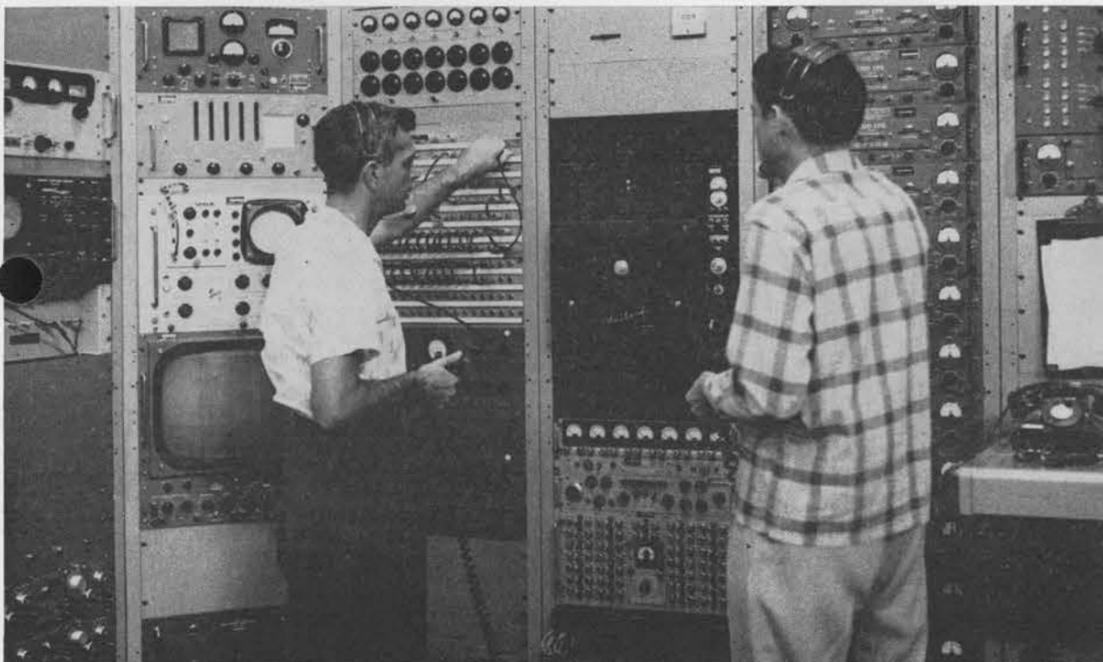
The intercom land-line network links the range user and the range support activities. The HF, VHF and UHF systems permit communication between ground points, ships and aircraft. The submarine cable, during test operations, provides nine voice channels down range and nine uprange for transmission of target acquisition data, transfer of command control function, range safety operations, control of chase aircraft, coordination of test operations, and administration of the range.

Most of the regularly assigned Sandians live 25 miles from the Cape, across the causeway in Cocoa and Rockledge, while Cocoa Beach, a booming little community just a few miles from the range, is a home away from home for most of the project engineers and other official visitors to Canaveral.

Working with the missiles and warheads which comprise our nation's major deterrent to aggression is about the most important job a person could have, and the Sandians at the Cape are proud to have a part in this activity. Working closely with the Sandia project engineers from Albuquerque and Livermore, they are in the forefront of a never-ending struggle to gain and maintain the lead in the race for military superiority in long-range missiles.



ATLAS MISSILE, which is capable of reaching a target 5000 miles off, is test fired at Canaveral with Sandia equipment in the nose.



GROUND RECEIVING STATION manned here by Paul Roper (5254), left, and Bob Pace (5254) is used for checking out telemetering packages mounted in missile nose cones and for monitoring package.



UMBILICAL WIRING from Sandia's telemetering package inside this Atlas nose cone is checked by Bill Arnold (5254), left, and Bob Pace (5254). The men are standing on the gantry platform.

Supervisory Appointments



OUTSTANDING LEADERSHIP award was given Mary Harrison (3154) by other students in advanced secretarial and clerical proficiency course. Instructor Jean Gillette (3132-2) (left) also has group vote for individual with best achievement.

Class for Secretaries Gives Students Confidence, Poise

"Daily routine seemed tedious. I was apathetic and restless. Now I realize that my own feelings, my alertness, interest and enthusiasm will determine the opportunities offered me."

The secretary making this statement was standing before other members of Sandia's "Charm" school. She was poised and well able to express her feelings fluently without shyness. Yet three months before she had never spoken before an audience.

Nicknamed charm school, the class is actually the advanced course in Secretarial and Clerical Proficiency, offered by Sandia's Technical and Trades Training Division and conducted by Jean Gillette.

The 12-week course stresses the ability to get cooperation from others and helps students qualify for positions of greater responsibility. To achieve these goals the group members strive for a better understanding of human nature and how to make the best of their abilities.

The sessions include such subjects as problem-solving and decision making, communications, motivation, understanding one's self, personal appearance, the girl for the job and the job for the girl, and planning for better use of time and money.

Two years ago the framework of the present course was determined after discussions between Division 3132 personnel and directors, department managers and division supervisors. "No one course has been exactly like another," Jean explained, "because we are continually adopting suggestions made

by the group members participating in the courses and their supervisors."

Popularity of the course is indicated by the long waiting list of girls who have asked to take it. In other instances, supervisors often recommend the course for girls whose jobs require skill in dealing with people, or who are soon to be considered for promotion into jobs where these skills are important.

The weekly sessions of two and a half hours are primarily group participation. Jean makes it a rule to limit her lectures to two minutes. Frequently the group breaks up into three-girl "buzz" groups to discuss particular problems. At other times there are individual talks by each member before the group, interviews, or question and answer sessions.

By the final meeting participants are ready to discuss their own personal goals, which may be anything from taking courses at the University of New Mexico, to plans after retirement or future plans for their children.

Group members also give short talks about what they have learned from the discussions. These might include such points as: "People are different," "organized thinking," "mental stimulation brought about by specific plans and goals" and "happiness achieved through better money management."

To date the course has been offered 14 times to Sandia Laboratory personnel. Jean has given the course once at Livermore Laboratory and two more sessions are planned there to include all division secretaries.

KENT C. HUMPHERYS to supervisor of Radiation Chemistry and Dosimetry Section 1626-2, Radiation Effects Division.

Kent has been working in the dosimetry and nuclear measurement field since he came to Sandia three years ago.

Immediately prior he was stationed with the Air Force at Kirtland AFB for two years as a nuclear research officer.

He holds a Bachelor's degree in chemistry from the University of Utah and has completed some studies toward his Master's degree at Utah and at the University of New Mexico.

While at Salt Lake City Kent worked approximately two years as a radiochemist at the College of Medicine's radiobiology laboratory.

He is chairman of a committee on neutron measurements for the American Society for Testing Materials.

C. J. LUCCI to supervisor of Electrical and Refrigeration Maintenance and Work Order Section 4511-4, Plant Maintenance Department.

"Sam" has been with the Corporation eight years and has worked in a variety of jobs: as an electrician in the electrical shop, doing clerical work in Plant Maintenance, and as a scheduler in Plant Engineering.

He came to Albuquerque from Breeman, Ohio, where he owned his own electrical and refrigerator shop for five years.

During World War II Sam was five years with Curtiss Wright in Columbus, Ohio, as a supervisor of a group working on electrical systems for aircraft.

Prior to that he worked for Pittsburgh Plate Glass Company in Mount Vernon, Ohio, where he received his electrician apprenticeship training.

A. P. Gruer President Of Tonopah (Nevada) Chamber of Commerce

Allan P. Gruer appears to have become a full-fledged citizen of Tonopah, Nev.

In addition to being manager of Sandia's Test Range Department in this desert mining community, Al was last week elected president of the Tonopah Chamber of Commerce for the coming year.

HARRY H. PASTORIUS to manager of Plant Engineering Department 4540.

In the more than 11 years Harry has been with Sandia Laboratory he has worked in a variety of jobs. He started as a safety engineer and in 1949 was attached to the maintenance organization in an engineering capacity.

Harry was transferred to Salton Sea Test Base in March 1950 as a division supervisor and remained there a year. Upon return to Sandia Laboratory he headed a division in the maintenance organization.

Since transferring to Plant Engineering in 1952 Harry has been in plant inspection, construction inspection, administration (budgeting), and scheduling groups.

His experience before coming to Sandia includes two years as a design engineer in a consulting engineer's office in Akron and three years as an engineer-in-training with the Ohio State Highway Department.

Harry has a Bachelor's degree in civil engineering from the University of Akron and is a registered professional engineer and surveyor in Ohio and New Mexico.

CHARLES S. WILLIAMS, JR. to supervisor of Systems Studies and Proposals Section 1424-1, Advanced Electronics Systems Division.

"Chuck" has been with Sandia Corporation off and on since 1952 in both full and part-time capacities. He has been working full time in Electronic Fuzing Systems Department since 1957.

Prior to this he taught electrical engineering at the University of New Mexico from February 1954 to June 1957.

His early undergraduate work was at Princeton University. Chuck received his Bachelor's degree and Master's degree in electrical engineering from the University of Oklahoma. Additional graduate work was taken at Syracuse University. He received a second Master's degree in electrical engineering at the University of New Mexico.

Chuck was in military service for six years both during World War II and during the Korean conflict.

Magazine Cover Shows Sandia VP With Reactor Mobot

R. W. Henderson, vice president, Development, was featured on the cover of the Jan. 4 issue of Product Engineering magazine. Pictured with him was the remote handler (Sandy Mobot), star of Sandia's 1959 New Mexico State Fair exhibit.

The inside story told of some of the robot's capabilities. Designed for use in the Sandia Engineering Reactor Facility, the device is mobile, has television "eyes," mechanical "hands" and is remotely controlled.

In the same article was mentioned an idea advocated by Dr. Edward F. Moore of the Bell Telephone Laboratories concerning robots of the future. He suggested a machine that would "live" on a beach, turn sand, sea water and salt air into useful products and duplicate itself once a year.

Although Mobot can't do this, it will handle radioactive material with dexterity, the job for which it was designed. It was built by the Systems Development Laboratories of Hughes Aircraft Co. to Sandia specifications.

CHESTER A. CORBIN to supervisor of Welding Section 4224-4, Specialties Division B.

"Chet" has worked in the welding shop since coming to Sandia in August 1952. While here he has also taught several courses in welding in the Sandia Corporation Evening School.

Previously he was a foreman for Eidel Manufacturing Company in Albuquerque for two years.

Chet served his apprenticeship at Linde Air Co. Inc., a manufacturer of welding supplies in Indianapolis, Ind. He remained with this firm for 13 years and rose to assistant welding supervisor.

WILLIAM E. WALKER to supervisor of Section 5143-3, Design Division.

Bill has been working with free flight vehicles in the Aerodynamics Department since he came to Sandia in March 1954.

Previously he was with General Electric in Schenectady, N. Y., for five years on development projects in the general engineering laboratory.

Bill received his Bachelor's degree in Mechanical Engineering from Texas A&M and has completed a few courses toward his Master's at Union College in Schenectady.

During two years in the Army Bill served part of the time in the Philippines.

He is a member of Tau Beta Pi, engineering honorary.

Promotions

Nolan D. Blank (4233) to Wireman
Eloy Barela (4231) to Technician
Jo Ann G. Romero (3126) to Typist Clerk
Dorothy J. Fleming (3465) to Document Clerk
Robbie D. Chapman (3465) to Document Clerk
Margaret B. Burgess (4131) to Payroll Clerk
Charles R. Walker (8225) to Stockkeeper
John N. Barnhouse (8223) to Inspector
Frank E. McMurtrey (8223) to Machinist
Darlene P. Cahill (8212) to Steno. Clerk
Lois J. Knudson (8212) to Steno. Clerk
Shirley A. Mosley (8212) to Typist Clerk
D. R. Mascarenas (8212) to Typist Clerk
Anna M. Decker (8212) to Typist Clerk
Janet E. Var (8161) to Record Clerk
Gloria K. Vano (8232) to Document Clerk
Jerry A. Wackerly (8232) to Document Clerk
Jack R. Meacham, Jr. (5535) to Technical Asst.
Roy Palmer (4574) to Janitor
Joe L. Silva (4574) to Janitor
Charles E. Smith (4574) to Janitor
D. R. Metheny, Sr. (4574) to Janitor
Doomas T. Easton (4513) to Jr. Tradesman
Jeanne A. Hayes (3126) to Secretarial Steno.
Betty N. Chaney (3126) to Secretarial Typist
Olinda L. Chavez (3126) to Secretarial Steno.
Lewis G. Sisneros (4153) to Investigator
Oliver A. Fick (8223) to Assembler
Edward N. Villala (2251) to Technician
Betty J. McKinley (5544) to Secretarial Steno.
Patricia S. Cooper (8212) to Secretarial Steno.
M. J. Mihovich (8212) to Secretary
Tony R. Lopez, Jr. (4212) to Staff Assistant
Juan F. Zuni (4231) to Technician
Walter T. Taylor (1626) to Staff Assistant
P. A. Portolesi (8224) to Property Clerk
Henry A. Muculeski (2622) to Staff Assistant
Benny C. Baca (5512) to Messenger
Secundio Baca (3442) to Messenger
M. Jan McRacken (3126) to Steno. Clerk
Peggy A. Roady (2561) to Data Red. Clerk
James R. Schaeffer (5241) to Data Red. Clerk
John A. Caldwell (4153) to Investigator
William L. O'Trimble (4135) to Investigator
Jessie Lucy Hodges (6021) to Financial Clerk
Phyllis B. Arnold (2713) to Steno. Clerk
Connie I. Garber (8161) to Record Clerk
Janice L. Meamber (8161) to Prod. Release Clerk
Hanne Rose (8161) to Messenger Center Equip. Operator
Vivian L. Lenz (8161) to Prod. Release Clerk
Mary M. Campbell (5140) to Secretary
Thomas M. Luna (1615) to Lab. Asst.
Gerald T. Gay (1615) to Lab. Asst.

Supervisory Lateral Transfers
G. C. Steinhauer from 8115-1 to 8142-1
P. M. Hennan from 2222-1 to 3153-1
A. B. Church from 1262-1 to 1431-3
P. E. Farley from 3153-1 to 3126-7
J. D. Wright, Jr., from 5522-4 to 5524-3
J. P. Shurter from 4152-3 to 4151-1
V. K. Smith from 5255-1 to 5254-1
C. L. Gommel from 5541 to 5234
C. M. Abernathy from 2221 to 2644
R. W. Durand from 2221-2 to 2644-3
J. T. Gammon from 2222-2 to 2644-1
J. F. Hammerstran from 2552-5 to 2451-5
J. C. Laffoon from 2221-3 to 2644-4
R. N. Lord from 2221-1 to 2644-2
J. H. Scott from 5255 to 5232
T. D. Harrison from 2561-3 to 2561-1
G. O. Hawley from 5513-2 to 2563-3
S. Johannessen from 2561-1 to 2563-1
J. W. McDowell from 2561-5 to 2561-3
A. L. Wyer from 2561-2 to 2563-2
J. D. Appel from 1263-3 to 1224-1
J. L. Dossey from 1262-2 to 1262-1
W. R. Hoagland from 1224-1 to 1262-2
A. Blain from 2232 to 2224
G. L. Hutchinson from 2232-1 to 2224-1
A. Sanchez from 2232-2 to 2224-2
F. R. Moon from 4360 to 3230
W. R. Rosenberg from 2220 to 4360
R. W. DeVore from 2710 to 3150
W. E. Caldes from 2730 to 2710
R. L. Schneider from 2731 to 2714
K. E. Bricker from 2732 to 2715
W. M. Anderson from 2712 to 2723



ABILITY TO GET cooperation from others is discussed by Barbara Rush (3110) before other participants in advanced course for secretarial and clerical proficiency offered by Division 3132.



Royal V. Winter
2723
Jan. 3, 1950

Ten Years



Harold M. Brown, Sr.
4422
Jan. 23, 1950



George R. Cooper
4132
Jan. 23, 1950



William L. Dickens
4514
Jan. 23, 1950



David Essad
1522
Jan. 30, 1950



James S. Hinson
3242
Jan. 30, 1950



Josephine Norwood
5511
Jan. 30, 1950



C. A. Ashby
2633
Feb. 1, 1950



George E. Mincks
8222
Feb. 1, 1950



Watson M. Snyder
5216
Feb. 1, 1950



Elmer A. Templeton
4573
Feb. 1, 1950



Sally Ann Moore
3422
Feb. 2, 1950



Jesse A. Floyd
8222
Feb. 3, 1950

Five Years

Jan. 23-Feb. 5
Mary G. Geilenfeldt 4131, A. L. Scharping 3126, Bertha M. Oliver 4431, Bruce J. Weston 5223, Louis P. Boudoin 4411, James W. O'Brien 4412, Donald R. Morrison 5126, Robert E. Quinlan 1322.
R. J. Brosseau 8123, N. A. Bourgeois, Jr. 1414, Robert E. McDerrery 1521, Edgar F. Richardson 1544, John J. Driscoll 5332, Simeon D. Teisher 2552, Rose F. Cazier 1210.

Damaged Decals Should Be Replaced

Employees whose car decals are defaced, partially removed or weatherbeaten should obtain new stickers at Provost Marshal Headquarters, Texas and F Streets.

It is not necessary to show proof of vehicle ownership or insurance coverage when replacing a wornout sticker. Cost of a new decal is 35 cents.

Coronado Club Bowling Tourney For Men Jan. 23-30

Coronado Club's eighth annual bowling tournament will be held Jan. 23-30. The tournament is open to all male members of the Coronado Club who hold ABC cards.

Averages have been figured as of Jan. 1, 1960, and handicaps will be based on 75 per cent of the difference between average and 200.

For further information contact James R. Porter (5512-3), ext. 23261, secretary of the tournament.

Club Offers Instructions In Square Dancing

Coronado Club will offer a series of 15 square dance lessons to be held each Tuesday evening, starting Feb. 2.

Instructor and caller will be J. D. "Tex" Yates (AEC-ALOO), a past president of the Central New Mexico Square Dance Callers Association.

Classes will be held from 7:30 to 9:45. A fee of \$15 per couple will be charged and membership in the Coronado Club is required. Both beginners and those desiring a refresher course are invited.



HIGHEST SANCTIONED SERIES IN ALBUQUERQUE was bowled by A. B. Anderson (1614-3) last week when he rolled games of 236, 266 and 244 for a total of 746. His top score in a two-year standing city series record.



ORGANIZATION 8100 and 8200 trophy will be presented to the winning golf team Feb. 7 at El Campo Golf Course, Newark. Shown holding the trophy are team captains Walt Dzuganek (8212-1), and Kermit Cooper (8114-1). Contact either captain before Jan. 29 which is the deadline for registering for the tourney.

Darrell Joyner Heads Table Tennis Assn. For Sandia Employees

Darrell Joyner (2453-1) has been elected president of the Sandia Corporation Table Tennis Association. Serving with him will be Herman Romero (1621), vice president.

At their recent meeting it was announced that all general organizations have started their singles and doubles tournaments. Names of champions and runners-up from each organization should be submitted by Mar. 1 to Ken Guerin (3122), who is acting as secretary of the table tennis group.

The Corporation tournament will start Mar. 7 with trophies being awarded to the winners by Services and Benefits Division 3122.

Livermore Basketball Team Wins Second Game of Season

The newly organized Livermore Laboratory employees basketball team, headed by Mike Ferrario (8114-1), scored its second victory Jan. 13 in league competition against the Livermore Bombers, with a score of 38 to 31.

In its first game Jan. 6 the Sandia team defeated the General Electric Vallecitos Laboratory by a score of 33 to 25. The victorious 11-member squad also racked up five wins in practice games.

Next on the schedule is a match with the Radiation Laboratory team on Jan. 27 and a game with the Livermore teachers Feb. 3. All games are played at the Livermore High School boys' gym.

Distaff Ping Pong

Women interested in participating in a Corporation-wide ping pong tournament are asked to contact George Banos, Services and Benefits Division 3122, ext. 29157. If enough interest is shown a tournament will be organized, with trophies being awarded to winners.

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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

CAMERA KODAK PONY for color slides; SX-71 RCUR, Globe Champ 150W XMTR and freq. mtr. Brown, AX 9-3189.
HOT ROD, '32 Ford, V-8 '55 motor, overhead valves, body chopped & channeled. Baldwin, ext. 35286.
OVERSTUFFED CHAIR, dark green nylon frieze cover. Make offer. Cockrill, AM 8-7989.
BABY CRIB, blond, new mattress w/4 fitted sheets, \$20. Mead AX 9-3154.
DISHWASHER, GE Mobil-Maid, \$125; machinist tool box, \$75; 2 day beds, \$35 pair; children's swing set, \$10. Teta, AX 9-6155.
'59 MGA white, radio, not a scratch, \$100 less than blue book. Arnold, AX 8-1960.
'46 CHRYSLER, R&H, \$100 cash. Metz, AM 8-7989.
HAM TRANSMITTER, Viking I, not TV'd antenna relay added, \$60. Carrick, AL 5-8281.
'54 ALLSTATE MOTOR SCOOTER, \$89. DeZeeuw, AL 6-0205, 3526 Thaxton SE.
BICYCLE, girl's lightweight, English-type, 26 in., thornproof tubes, \$30. Thomas, ext. 26231.
RADIO CONTROL EQUIPMENT, C. G. transistor single channel tone, eight channel helon. Lenz, AL 6-7037.
CORNET, Holton student, completely overhauled, w/case, \$85. Brown, AX 9-2510, 3617 Piermont Drive NE.
MOTOROLA TV, w/antenna, 24 in. table model, \$95 or best offer. McCulloch, AX 9-5463.
3 BRM HOME, Inez brick, 1 1/4 baths, H-W, carpeting, CH, AC, walled, patio, landscaped, sprinklers, low down payment. Seay, AX 9-5270.

HOLLYWOOD BED, frame, coil springs & mattress, \$12. Gatlin, AL 5-5171.
'57 GOLIATH, must sell, \$1500 loan balance, nothing down, assume \$5500 loan balance. Nielsen, AL 5-2045.
'59 VOLKSWAGEN SEDAN, black, low mileage, Michelin tires & tubes, numerous accessories. Checketts, AX 9-1783.
'55 CHEVROLET station wagon Handyman, new tires & battery, \$895. Moore, AL 6-2748, 609 San Pablo NE.
UTILITY TRAILER, 4 x 7 ft., new tires & paint, reinforced, double floor & lighting, \$20. Longfellow, AL 5-5334 after 5:00 p.m.
PIANO, Wurlitzer spinet, mahogany finish, reasonable. Ryanczak, AX 9-3527 after 5 p.m.
CUSTOMIZED '30 '06, \$65; early Victorian marble top dresser, \$75; will trade for good camera or electric dryer. Boag, AX 9-5939.
GE WASHER, automatic and "Glad-Iron," both \$50 or best offer. Browne, AX 9-7124.
HI FI AMPLIFIER, 30 watt "Knight," \$60; "Air King" AM-FM tuner, \$25; equipment cabinet, \$20. Longfellow, AL 5-5334 after 5:00 p.m.
3 BRM HOME, near Sandia High, 2 baths, carpeted, patio, landscaped, attached garage, walled, utility area, Padilla, AX 9-4043.
'59 FREEZER, Quicfreeze upright, 21 cu. ft., \$275; will consider trade. McKay, AL 5-9779.
BENCH REST RIFLE, 250-3000 F.N. action, heavy barrel, unloaded, stock to be completed, \$75. Zownir, AL 6-3717, 414 Monroe NE.
TWIN BEDS, springs, mattresses, chest, stool, \$60; fold bed, mattress, \$25; mahogany sewing cabinet, \$5; Wood drop leaf table, \$5. Rayner, AM 8-1705.
'50 DODGE PICK-UP, 4-speed transmission, \$250; Siamese kitten, housebroken, male, \$10. Uhl, AM 8-1855, 501 Charleston NE.
SEWING MACHINE, Domestic cabinet; Stauffer coach; Buttercup sterling silver; Desert Rose pottery. Huddleston, AL 5-1312.
MAGNAVOX TV, 21 in., AM-FM radio w/3 speed changer combination; blond cabinet, \$200. Lambert, AL 6-2043.
BICYCLE, boy's 26 in. Schwinn, \$22. Lathrop, AL 5-1901, 1100 Monroe SE.
'57 CHEVROLET V-8 hardtop 2D, w/w tires, 2-tone, R&H, power pack, \$1550. Fay, CH 3-6244 after 5 p.m.
'56 FORD STATION WAGON, PS, T-Bird motor, \$300 my equity, take over payments; alto saxophone, reasonable. Long, AX 9-6146 after 5 p.m.

NEXT DEADLINE FOR SHOPPING CENTER ADS Friday Noon, Jan. 29

2 BRM HOME, located two blocks from grade school at 233 Gen. Patch NE; \$1000 down, total price, \$8750. Arthur, AL 6-7359.
'55 PLYMOUTH Savoy, 4-dr., H&D, spot-light, \$550; '54 Ford Mainline 6, R&H, extras, \$495. Andrews, AL 6-7328.
PUPPIES, Alaskan Malamute, \$35, sire, \$75; good children's pets. Aaron, BU 2-3124.
UPRIGHT PIANO, recently tuned, \$150. Bristor, AM 8-0735, 5711 Princess Jeanne NE.
LEECE NEVILLE ALTERNATOR, 6V, 100 amp, new, \$25. Hansen, AM 8-0769.
TV, Silverstone Suburbanite 21 in. w/stand, 2 yrs. old, completely reconditioned, \$95. Kingsbury AX 9-5420, 2805 Garcia NE.
3 BRM MOSSMAN, carpeting, drapes, AC, dishwasher, cathedral ceiling, Pullman bath, landscaped, near schools, shopping; will consider lease. Naro, AL 6-9685.
REVOLVER, Smith & Wesson K-22 target, with holster, \$55. Moyer, AL 5-3666.
WEBLEY REVOLVERS, shoots .45 ACP ammo, 4 in. BBL model, \$17; 12 ga. single shotgun, \$10. Donaldson, BU 2-3175.
3 BRM HOME, Southeast heights, AC, dishwasher, garbage disposal, carpeted, \$1600 down FHA. Weber, AL 6-2947, mornings or evenings.
NC-300 RECEIVER for amateur radio, \$250. Wilson, BU 2-3225.
TABLE, porcelain top w/2 leaves, four chairs, reinforced, \$20. Roof, DI 4-0687.
'57 CHEVROLET 1/2 ton V-8 pickup, 3-speed transmission, new license, \$1250. Hay, CH 2-8663.
MAPLE BUNK BEDS, w/coil spring mattresses, guard rail and ladder, \$40. Gornes, AX 9-8901.
'58 SCOOTER, Cushman Eagle, \$195. Klippolsky, AX 9-4110.
NORGE WASHING MACHINE, '57 model, \$100 cash or will consider trade of older model. Murray, DI 4-8368.
GAS RANGE, \$25; 2 twin beds, w/springs, \$15; occasional chairs, \$3 ea.; set French door screens w/hardware, \$8. Martin, AL 5-7763.

'55 FORD customline, 2-door, 6-cylinder, new motor, \$650; living room, dinette, bunk beds, 9 mos. old. Scott, AX 9-3412.
11A CONTACT f/1.5 Sonnar; also f/4 Sonnar 135 mm; bargain for cash. Bowland, AL 6-1861 evenings.
3 BRM HOFFMAN, 2 baths, brick, sprinklers, AC, patio, landscaped, large trees, quiet street, garage, \$15,900 FHA. Vick, AX 9-2949, 2717 Los Arboles Pl. NE.
3 BRM HOME, 1 1/4 baths, fireplace, patio, 2-car garage, drapes, carpet, etc., Towner NE corner lot, \$17,900, 4 1/2% mortgage. Knuth, AX 9-6724.
3 BRM HOME, near Sandia Base, walled, w/w carpeting, 600 Penn Ct. SE, \$12,000; '58 Westinghouse freezer, 22 cu. ft., \$265. Baca, AL 5-8452.
'47 DODGE JALOPY, first \$100 buys. Hungate, AX 9-6834.
WEAVER COOKWARE, large set, never been used, \$150 or best offer. Baldon, CH 3-7132 or CH 3-4620.
'48 STUDEBAKER convertible, good transportation, upholstery like new, \$185. Lewis, AL 5-9586.
2 OVERHEAD GARAGE redwood doors, complete w/hardware rails & locks, \$20 ea., both for \$35. Conant, AL 6-0012.
'57 CUSHMAN EAGLE, \$200 or best offer. Hayes, ext. 25170.
'58 MOBILE HOME, Safeway, colored appliances, 2 brm., make offer. Wade, AX 9-2050.
'58 EDSEL, AC, \$1500. Randle, AL 6-1747.
SHOPSMITH MODEL ER, complete w/stand and accessories, \$150. DeSelm, AL 5-2634.

BABY-SITTING in northeast heights, available after 1 p.m.; register with The Youth Employment Service (baby-sitting), 50c per hour. Range, AX 9-0062.
CHILD CARE in my home, close to Gibson Gate. Morris, AL 6-0152, 920 Kentucky SE.
TEXTBOOKS—Metallurgy & Metallurgical Engineering by Brick and Phillips, for night school. Park, AX 9-1450, 1028 Lester Dr. NE.
TO TRADE 2 BRM HOME North Valley for small acreage outside city with house, prefer South Valley. Haley, DI 4-3919.
YOUNG MAN to share private home w/2 others, Northeast heights area. Oglesby, AX 8-0025.
CARE OF FOUR SMALL CHILDREN in my home during day. Srankvernon, AL 5-0111.

LOST & FOUND

LOST: Man's gold wedding band; buckskin gloves; ladies' black frame glasses w/silver trim in red case; brown fur-lined gloves. Lost & Found, ext. 26149.
FOUND: Albuquerque National check book; key. Lost & Found, ext. 26149.

FOR RENT

2 BRM partly furnished, corner Yale and Coal, \$80. Jones, CH 2-4264.
2 BRM HOME, beam ceilings, attached garage, unfurnished, landscaped, walled, patio, garbage disposal, \$110/mo., Feb. 1, water paid. Yager, AX 9-3659 evenings.
GENTLEMAN BEDROOM w/kitchen privileges if desired; northeast convenient to bases, Gary, AL 6-7325 after 5 p.m.
FURNISHED 1 BRM APT. w/corport in North Valley, \$75 mo. Mackenzie, DI 4-8114.
2 BRM APT. unfurnished, built paid, 245 Chama NE. Nix, AL 5-5818.
LARGE 1 BRM APT., \$65, near everything. Amador, CH 2-2080, 1229 Farrester NW.

FOR SALE AT LIVERMORE

BOAT, 14 ft. w/trailer. Hunter, JE 8-9871 after 6 p.m.
'51 DODGE TRUCK, with '56 Dodge rebuilt engine, 9000 miles, 4-speed transmission, \$385. Jamison, ext. 2226.
MATTRESS & BOX SPRINGS, Serta orthopedic, standard double-bed size, \$80. Sorenson, ext. 2359.
3 BRM HOME, 2 1/2 car garage, landscaped, fence, sprinklers, patio, 4266 Cornell Way. Maxwell, HI 7-5944 after 5 p.m.

WANTED

GARAGE DOOR, lift-up type. Ogden, CH 3-4723.
TENOR SAX MAN & electric bass man (young). Polaco, AX 9-8237 nights and CH 2-1488 days.
BOOK about making trout flies, title, "Family Circle" will pay retail price. Wisher, AL 5-0561.
TRADE COLT .22 Match Target Woodsman pistol for German Luger or Mauser pistols or Nazi daggers. Smitha, AX 9-1096.
BROWNING SUPERPOSED 12 ga. w/26 in. improved-cylinder & modified barrels; will trade 12 ga. full choke barrel for 28 in. modified barrel. Shead, AL 5-5309.
2 or 3 MEN to share expenses living in 3 brm. home in convenient location; immediate occupancy. Edwards, AX 9-2274 evenings.
PERSONS INTERESTED in forming a soaring club. Stark, AM 8-8674.



ALL KINDS OF WHEELS were turning when W. J. Byatt (5111), left, appeared on George Fishbeck's general science television series. Bill talked to the over 500 viewing students about gyroscopes.

'Face of Red China'

Startling Insight Into Red China Given by Special CBS-TV Film

Employees viewing "The Face of Red China" during noon-hour showings next week will see far more than rice paddies, chop sticks and tea houses. Instead, this recently filmed exclusive report shows that communal mess halls, rifles and rising factories give a better picture of the "face" of this Oriental giant, Communist China.

Winner of both the Emmy and the Sylvania awards for the best TV documentary of last year, this CBS-TV film will be shown from 12:10 to 12:40 p.m. daily accord-

GE Engineer to Speak This Evening To ASQC Members

"Statistical Methods for Engineering" is the title of a talk to be presented tonight to members of the Albuquerque Section of the American Society for Quality Control. Speaker will be Leon Bass, Quality Control Manager of General Electric Company's Jet Engine Department in Cincinnati, Ohio.



Mr. Bass is Fellow and Past President of ASQC and a former chairman of the society's Electronics Technical Committee. He is a Senior Member of the Institute of Radio Engineers, having served as chairman of its Professional Group on Reliability and Quality Control.

The meeting will begin at 8 p.m. in Room 250-B of the University of New Mexico Union Building, according to R. O. Frank (1443), ASQC publicity chairman.

Livermore Employees Speak at Career Night At Castro Valley

Bill Guntrum (8153) and Norm Jacobson (8152) of Livermore Laboratory appeared on the Career Night program at Castro Valley High School, Jan. 20.

Bill spoke on the subject of electrical engineering and Norm discussed the work of the electronic technician. They appeared on the program with other speakers representing industry throughout the Bay Area.

Sandia Will Meet Military Teams in Basketball Tourney

Arrangements were completed this week for an annual all-star basketball tournament between Sandia Corporation, Sandia Base, Kirtland Air Force Base and Manzano Base.

The double elimination tournament is scheduled Feb. 15 through 18 in the Sandia Base gym. Games will start each evening at 7 and 8:30 p.m.

Sandia Corporation all-stars are chosen at the end of league play of the Sandia Employees Basketball Association by participating officials and managers.

Currently the league is about half-way through its four month season. Ten teams are competing with 150 employees participating. Games are played in Monroe and McKinley Junior High School gyms Tuesdays through Thursdays beginning at 7 and 8:30 p.m.

Admission to games and to the tournament is free.

Roger B. Rice Dies January 6 Of Heart Attack

Roger R. Rice, supervisor of Project Shops Division A, died from a heart attack on Jan. 6. He was 39.



Mr. Rice had been in the machine shop of the Model Shops organization since he came to Sandia nearly 14 years ago. He became section supervisor in 1953 and division head five years later. On Jan. 6 he became ill while at work and died a few hours later at a local hospital.

Survivors include his widow, a son and a daughter, his mother, two sisters and four brothers.

(Continued from Page One)

MP's Job Tough

men to speed the flow of traffic in an orderly manner.

The Military Police patrol all areas of Sandia Base outside Sandia Laboratory's technical areas, including AEC and Corporation parking lots. They enforce all Base and State traffic regulations and issue citations as required.

In their regular patrols they issue citations for such offenses as expired brake and light stickers, failure to display base decal, and moving traffic violations.

Reports of minor traffic offenses are referred to the Manager, Sandia Area Office, AEC, for forwarding to Sandia Corporation or AEC organizations in which the employees work. Major offenses and serious traffic violations are handled in the usual manner, with citations to appear before the U. S. Commissioner.

Tech Orientation Talk to Be Given 3000 Staff Members

First in a series of three technical orientation lectures for Personnel 3000 organization supervisors and staff members was held last Friday.

R. S. Claassen, manager of Physical Sciences Research Department 5150, discussed current projects and future plans in Sandia research projects.

Purpose of the series of lectures is greater familiarization of organization 3000 supervisors with projects and policies of Sandia's research and development organizations.

Talks by E. H. Draper, director of Systems Development 1200, and either D. B. Shuster, director of Field Testing 5200, or H. H. Patterson, manager of Nuclear Testing Department 5230, are scheduled in coming months.

Personnel chairman for the program is C. C. Fornero (3153).

Drive Aims at Eliminating Surplus Equipment Throughout Sandia Area

Keeping one piece of surplus equipment doesn't seem like much, but when many people do this, it soon piles up. The same holds true for obsolete, unwanted or little used apparatus.

When this happens office and work locations become crowded, look untidy and present safety hazards.

During 1960, special emphasis is being placed on a clean-up campaign of materials and equipment throughout Tech Area I. Tentative plans call for moving through buildings on an area basis. Department managers concerned will be contacted several weeks prior to the scheduling of area for clean-up and detailed information will be provided at that time.

As designated areas are scheduled, receptacles will be placed in convenient locations for a two-day period to handle the extra load. If contemplated moves by

organizations make a specific date desirable, arrangements can be made by calling F. C. Alexander, ext. 53131.

Material and equipment are classified in three categories: junk (material having no recoverable value); reclamation (material no longer useful to a particular organization but which may be useful to other organizations, or have recoverable value through reclamation); and storage (material not currently in use but for which an anticipated future use exists).

Idle or seldom used equipment does add up as one department found out when its area was cleaned up. Almost four tons of material and equipment were junked, sent to reclamation or storage. Needless to say, this provided a much more efficient and economical operation for the department, as well as better utilizing valuable space.

Lecture Series to Be Offered By Albuquerque ASM Group

A series of five two-hour lectures on "Nondestructive Testing of Metals" will be conducted by the Albuquerque Chapter of the American Society for Metals during February. This is the third educational clinic sponsored by the group.

Lectures will be held at the University of New Mexico, Room 201, Electrical Engineering Building, on Feb. 1, 8, 15, 22 and 29. Meetings will start at 7:30 p.m.

Purpose of the ASM clinic is to meet the demand for practical and up-to-date information on nondestructive testing methods for metals, says Don Johnson (1621), president of the Albuquerque Chapter. "It will be of interest to engineers and metallurgists and of special importance to inspection, production and quality control personnel," he said.

The educational clinic is extended to regular and student ASM and Society for Nondestructive Testing members without charge. Non-members are invited and a fee of \$5 for the entire clinic will be assessed. Non-members of ASM desiring to affiliate with the organization during the lecture series may apply the course fee on the first year's membership charge.

Registration will be limited to 110 persons. Employees wishing

further information may contact Mr. Johnson, ext. 31258, D. W. Ballard (2541), education co-chairman, ext. 24248, or A. W. Porter (4211), ext. 21133.

"Sources of Defects Located by Nondestructive Testing" and "Scopes of the Present Nondestructive Testing Fields" will be discussed at the meeting on Feb. 1. William F. Alderson, ACF Industries, will speak on the first subject, and Dr. Gerold H. Tenney, Los Alamos Scientific Laboratory, will present the second lecture.

Other lectures which will be presented are: Feb. 8, "Radiography, Including Isotopes and Fluoroscopes," Roy Tobey, Eastman Kodak; Feb. 15, "Magnetic Particle Inspection," John R. Herrer, Magnaflux Corporation, and "Penetrant Inspection Techniques," Sam Vance, Magnaflux Corporation;

Feb. 22, "Leak Detection of Metal Vessels," J. G. King (2532), and industrial application films, and Feb. 29, "Ultrasonic Inspection of Metals — Theory and Instrumentation," H. E. Van Valkenburg, Sperry Products, and "Applications and Interpretations of Ultrasonic Inspection," William C. Hitt, Douglas Aircraft.

The Society for Nondestructive Testing assisted with the preparation of the clinic.



SPEAKER for a technical orientation lecture for organization 3000 supervisors and staff members last week was R. S. Claassen (5150), right. He is shown here being introduced by C. C. Fornero (3153), left. Mr. Claassen described current projects and future plans.

Sandia's Safety Record

Sandia Laboratory Has Worked 6,620,000 Man Hours Without a Disabling Injury	Livermore Laboratory Has Worked 2,600,000 Man Hours Without a Disabling Injury
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No job is so important and no service is so urgent that we cannot take time to perform our work safely.