Antitrust Action Settled Through Consent Decree

The Government antitrust action instituted on Jan. 14, 1949, against American Telephone and Telegraph Company and Western Electric Company has been settled by a consent decree entered by Judge Maurice of the U. S. District Court on Jan. 24, 1956.

In its original action the Government asked that A. T. & T. & T. give up its interest in Western Electric, that Western Electric be dissolved, and its assets divided among three completely separate competing companies.

Entry of this decree does not constitute any evidence or admission of the allegations in the complaint. Mutual agreements negotiated with the Department of Justice to settle the case have merely been confirmed by the Court.

Under the decree the relationship of Western Electric Company with the Bell System as manufacturer, purchaser, distributor, repairer and installer will continue. Likewise the relationship of Sandida with Western Electric Company and the Government will continue unchanged.

The decree prohibits Western Electric from undertaking any business not of a type or character engaged in by the Bell System or the Government, requires licensing under American patents (royalty-free under existing patents and at reasonable royalties under future patents), and requires the furnishing of technical information to licenees, and prohibits entering into agreements of various types and other action involved in the complaint's charges.

The provisions of the decree will have no bearing on our job of continuing to provide the material and services required by the Atomic Energy Commission and other associated agencies of the Government.

Personnel Seeks 374 Engineers to Add to Staff

Sandida Corporation Personnel and Employment Department anticipates that 374 more engineers and physicists will be needed to cover existing positions at Sandida Laboratory before the end of 1956.

This figure was arrived at in a forecast of men of the Corporation made recently by Frank Bell, supervisor of the Professional Employment Section.

Mr. Bell believes that 134 of these newcomers will be recruited from the graduating classes of accredited colleges and universities in United States. A break-down of the 134 figure shows these men: Mechani
cal engineers, 88; electrical engineers, 97; aeronautical engineers, 10; and physicists, 7.

Of the remaining 240 scientists needed, a bit less than one half will be mechanical engineers and one half electrical engineers. About 24 physicists will be needed, primarily men having PhD degrees.

It is indicated that these persons will be employed through the combined efforts of increased advertising, referrals and recruiting.

The employee referral program instituted several months ago is continuing to result in more engineers joining Sandida Corporation. In charge of the program is Dr. George Smith, 5513.

Dr. Philip W. Swan, of River
dale, Conn., will address members and guests of the New Mexico chap

er of the American Society of Me

Dr. P. W. Swan's topic will be "Imagination Key to Engineering Achieve

ment," publicly chairman Gene

Gardiner, 12424-C has announced.

A consultant in technical writing and speaking, Dr. Swan formerly taught mechanical engineering at Yale University and has served as the editorial staff of "Power" maga

He obtained M.E. and PhD de

grees from Yale University and the D. Eng. degree from Case Institute of Technology. Dr. Swan is a Fel

Dr. Swan is a Fellow of the ASME and is active in numerous engineering and profes

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Club Plans 1956 Art Exhibition

The Third Annual Coronado Club

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MEASURES RADIATION—Howard H. Sander, a Sandida Corporation engineer in the Weapons Effects Department, 3105, stands beside the instrument which helped measure radiation fallout from the 1955 test series in Nevada. The devise showed that the total dose increase of background radiation in Albuquerque amounted to about the same one would receive by wearing a radium dial wrist watch for a year.

Radiation Here Presented No Danger Say Scientists Who Checked Fallout from Test

The rise in background radiation in Albuquerque resulting from the atomic tests in Nevada last spring was negligible, amounting to about the same dosage one would receive by wearing a radium dial wrist watch for a year.

This statement was made by Howard H. Sander, of Sandida Corpo

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Diligence of The Engineer

The course of civilization in the past has been pretty well charted by individuals who would be identified today as engineers.

There was that unnamed genius of the stone age who chiseled out the first wheel from a block of stone to set us all in motion. Or we may recall that deep thinker, possibly a Neanderthal man, who discovered that by using leverage he could move boulders twice as big as those his neighbors were moving by brute force.

These were men who boarded under the skin of the men in the engineering profession today, just as the great builders of biblical and medieval times. Some of the great spires of the past which have been found in various parts of the world are monuments to those builders.

Today, with the basic economy of our country founded upon agriculture and industry, the engineer has taken on a great responsibility. Man’s progress in both of these divisions is dependent upon the diligence of the engineer.

The discoveries of our scientists are of little value unless the great truths of nature are released and put to use in our every day life.

Henry Ford once said, “Whatever you have you must use or lose.”

One of the early American scientists, Ben Franklin, carried on many electrical experiments. One of his friends asked—“What is electricity?” Franklin’s reply was—“What is a baby? It might become a man.”

The engineer has played an integral part in the defense of our country, in the role of water supply, sanitation, fuel production, highways, transportation, communications, he has been an enormous aid to medicine, to aviation, steel making and a multitude of other things.

The discoveries of the scientist have truly been put to use through the diligence of the engineer.

Orchids to Dave, Pat

A large bouquet of orchids arrived unexpectedly at the office of Dave Kleinsch, 5211, and his wife Patrice. The Kleinsch’s were amazed to find their benefactor to be a horticulturist whom they met last summer in Peru.

Pavon Exams

Al Goodman, 5333, has passed the comprehensive examination which is required for his PhD degree in physics. Al expects to start on his thesis soon.

Ghia-Karmann Italianos

A 1970 Volkswagen recently acquired by Larry Matt, 1443, and his wife, Margaret, 2211, is probably the only auto of its kind in New Mexico. Larry describes the Ghia-Karmann sport coupe as being “fun, durable, plush, comfortable.” It combines Italian styling with a standard German body on a Volkswagen chassis.

Snowbound

On “Blizzard Wednesday,” Jim Martin., 5241, and his wife Lois, 2232, were stalled for hours in their frozen car. They kept warm by making a fire of newspapers in the car. About 9:30 they sought refuge at 54 Wisconsin to find, after they were admitted to the home of Julius Mac Milling, 52 or so others taking shelter there. Mrs. Mac Milling was most gracious and served coffee. Since there were not enough chairs, the guests dined in shifts.

Wedding Anniversary

Mr. and Mrs. R. Hamilton, 5131, recently celebrated their 50th wedding anniversary.

Heartsick

Now enjoying a ski trip to Squaw Valley, Calif., are Zelma Reingting, 5124, Marilyn Deloity, 5211, Ray Harrison, 5241, and Kevin Morris, 4112.

What’s That Again?

Upon being informed that Art Grover, 1212, had his thrust friend, who was released to leave it was only a translocation.

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"Engineers' dreams," says famed rocket expert Willy Ley, "are things that can be done."

Another eminent engineer recently wrote that "the engineer can do just about everything there is to be done."

State Engineers To Observe Week With Convention
This year the week of Feb. 19-23 has been designated by the American Engineering profession as National Engineers' Week. New Mexico engineers will join in the observance of the week and have scheduled their annual statewide meeting for Saturday, Feb. 19.

Five years ago under the sponsorship of the National Society of Professional Engineers, National Engineers' Week was initiated in an effort to acquaint the public with the facts about the engineering profession and the role it plays in our national development.

Throughout the nation more than 200 chapters of the National Society of Professional Engineers, together with other technical societies, will hold celebrations to honor the engineering profession and to encourage and attract talented young men and women to this nation to engineering and scientific pursuits.

The Feb. 25 meeting of the New Mexico Professional Engineers will include a Board of Directors meeting, luncheon and business meeting. Announcement of the results of officer election held by mail ballot will be made at the business meeting.

The annual banquet, open to all members of the New Mexico Section of Technical and Scientific Societies and their ladies will be held at 7:00 p.m. in the Alvarado Hotel. Speaker at the dinner will be Lt. Col. Thomas D. Harrison, as electrical engineer in the Manufacturing Relations Engineering Department of Sandia Corporation.

Col. Harrison will tell us his experiences in the electrical engineering field of war during the Korean conflict.

2-5-10 Year

Service Awards

Two Year Pins

John A. Roberts 1954
Phi Mu Alpha Sinfonia
George M. Hazen 1954
Charles E. Silverman 1954
William L. Thomas 1954
Robert L. Ambler 1954

Five Year Pins

Harold E. Courtright 1954
Harry F. Hamilton 1954
Genevieve A. Roche 1954
Edward C. Street 1954
Franklin C. Cadwell 1954

10 Year Pins

C. M. Abercromby 1954
P. H. Exley 1954

46 Years of Engineering Experience Professional History of Olav Nerhus

It was June, 1910, at Forburgnd Engineering College, Drammen, Norway, that 19-year-old Olav Nerhus entered as a mechanical engineer. For 46 crowded and hard working years Engineer Nerhus has been working there after school, weekend and vacations, in his native Norway, that 19-year-old Olav Nerhus entered as a mechanical engineer. For 46 crowded and hard working years Engineer Nerhus has been

Engagement To Great Future

Olivar Nerhus-46 year as an engineer-

Three are the men who will be honored the week of Feb. 19-25 when the nation observes National Engineers' Week.

It would be interesting speculation to go back and start with the first engineer. The father of American engineers in this country was practicing in Washington, D.C. He was among other accomplish a few of the most recognized the two most interesting sections of the present U.S. Highways 40 and 40. But long long prior to his day, about 286 B.C. Archimedes fathered engineering in ancient Greece.

Engineering, as a profession, is a rather recent development in the middle of the twentieth century. The first engineering society was founded in 1828.

At that time engineering was defined as "the art of discovering great sources of power in nature for the use and convenience of man."

What is the imaginative thing about these three men who have been engineers, through their activities, some forty years ago, that a century later we can predict what we will see in the engineering profession a century hence?

What is the nature of these men who have been engineers, through their activities, some forty years ago, that a century later we can predict what we will see in the engineering profession a century hence?

Before that, there was probably some more," he says, reflecting the sentiments of the stories which draw the dreams that can be done.

Two Sanidians on Staffs of Defense Dep't Committees

Two Sandia Corporation scientists have received appointments to committees under the Office of the Secretary of Defense. John J. Findlay, manager of the Electronic Component Development Department, is serving as a member of the Advisory Group on Electron Tubes.

Henry E. Vaden, supervisor of Division 452, of the same department, is a member of the Advisory Group on Electronic Parts.

These committees are set up by the Assistant Secretary of Defense for Research and Development. They are composed of representatives from the three branches of the military and several government agencies.

Findlay and Mr. Vaden are representatives for the Atomic Energy Commission.

The committees coordinate development activities and execute objectives of the military department in the field of electronic tubes and parts.

Radio Club Meeting

Members of the Sandia Base Radio Club will hear a talk by Women's College, Electri
conic Engineer for the Lovelace Foundation, supplementing an earlier "Amateur

No job is so important and no service is so urgent that we cannot take time to perform our work safely.

Stewart A. Bliss One of Nation's Newest Engineers

Stewart A. Bliss, Norway, in 1910 he became an American citizen. His employ-ers had such famous names as Price Whitney Co. and Pratt & Whitney Company. In 1940 he started work for Sandia Corporation and has been in the machine tool end of the business since then. He is now in Sandia Corporation's ENGINEERING Department.

Olav Nerhus, through all of his 46 years of engineering, has studied, read, and experimented to keep abreast with the times. He has joined the American Society of Tool Engineers and the Westinghouse Electric and Manufacturing Company. Some of Olav's enthusiasm for en-

engineers must have rubbed off on his son. Raymond Nerhus is a me-

mechanical engineer for Bell & Howell in Chicago. Olav's wife, Anna, and daughter Mrs. Borghild N. Andersen in Almopor. His other daughters, Mrs. Maricich, lives in Rockford, Ill.

Engineer Nerhus will reach retirement age this year. He feels and his present is uncertain exactly what his plans will be. It looks as though he is going to a young and successful man and plans to make the most of his retirement days.

"I probably won't do much more," he says, reflecting the sentiments of the stories which draw the dreams that can be done.
Unexpected Winter Crisis Finds Sandia Maintenance Ready

Old timers in the Albuquerque area say it was the worst storm they could remember. Old, old-timers thought back to a day in 1887 when they could remember it as nearly that bad.

It may have been unusual, unexpected and completely out of place in the mild winter usually found in the Southwest; nevertheless a couple of inches of loose snow and a 50-mile-an-hour wind joined to give us a real "bell-ringer" of a blizzard Wednesday.

It was a day not to be forgotten soon by Sandia Corporation employees.

Storm Strikes Suddenly

At 8 a.m. there was a slight breeze and only a trace of snow. By 8 p.m. hundreds of Sandians were marooned in their offices; some were sitting worryingly in their automobiles, stalled and helpless. Others were getting cold, nearly hungry, almost everyone was worried.

The snow and wind were unpleasant by noon. At 2 p.m. Sandia Corporation employees and security personnel were mobilized for emergency action. By 3 p.m. roads rema into coming in those who were worried about getting home and wanted to leave were vexed. At 4 p.m., the situation appeared critical and the homeward trek was started.

That's when the roads fell in," Bob Flashhart, supervisor of the Motor Pool Section reports.

It was difficult for people to get to their cars. It was impossible to move most of the cars more than a few feet. Some wouldn't even start.

The telephones in Plant Services offices started ringing, security inspectors were already alerted, motor pool personnel had wreckers and trucks on the road.

To several thousand Sandia Corporation employees intent on getting home the outlook was nearly hopeless. The fellow in the car ahead didn't move. And that was only because someone in front of him was stuck—or he was stuck in the deep snow himself.

Storm Persists

From 3 p.m. on through the night the wind howled and the snow deepened as the story of the struggle of a handful of Sandia Corporation's maintenance people began to unfold. All they wanted to do was get everyone home safe and sound.

When a wrecker bogged down in a drift the drivers left it there and went for another truck.

"We estimated," Bob Flashhart ventures, "that more than 300 cars were stuck in and around Corporation parking areas at one time." Road graders were put into duty at 3 a.m. on Thursday and opened long enough to let a few cars through and then they'd close again.

Wind blew, chilled bone deep and probably miserable, Sandia Base Military Police stood at their street corner posts encouraging traffic to move safely, efficiently. A few cars crawled off the base to face more zero visibility and deep drifts.

Luther J. Heilman, Superintendent of Plant Services, and J. L. "Les" Rowe, Manager of Plant Maintenance and Services Department, set up headquarters in the Motor Pool offices and with the help of men in their organization tackled the bitter cold task ahead of them.

And this is the way "Operation Get 'Em Home" progressed.

00 Men Work

Without much formality and with a minimum of confusion, nearly 60 men divided themselves into teams and went to work.

Streets had to be opened. Robert Jeter, Flore Hattenberger, Tony Guadalupe, Sam Tabet, all of 2415, Frances Scott, 2412, Max Robinson, 2413, and G. H. Griss, 2415, labored to keep sidewalks and streets passable.

Jesse Floyd, 2417, climbed behind the wheel of a road grader and plowed through snow banks four feet deep.

And the hundreds of cars moved down because of the responsibility of others. They were Ralph Briner, Donald Sullivan, Holice T. Norton, Louis Price, James Meagher, Elton

STORM AFTERMATH—No. 1: It seems cruel justice that the king size drifts were found behind Bldg. 807 which houses the people who fought the storm hardest. No. 2: If you can find any beauty in a storm which caused such much discomfort maybe it's here in those snow coated blue spruce in front of Bldg. 807.

No. 3: Dozens of Sandians were marooned in the Personnel Bldg. the night of Feb. 1. Drifts closed the parking lot and street in front of the building and it was late at night before all the marooned employees were gone.

No. 4: Cold as it was, drifts had to be shoveled the next morning and work had to go on in a normal fashion. No. 5: Automobiles in the salvage yard were well plastered with snow.

No. 6: The story of many a stalled car is told in this picture. The driver shoveled through a drift to his car, raised the hood and discovered his motor buried in snow.

No. 7: Maybe some humor can be found here—the biggest of drifts under the cooling sign above the door. No. 8: The fate of many drivers, this motorist was blinded by snow and wound up in a deep ditch. He left his car there, wisely, and sought shelter elsewhere. These photographs were taken by a well-chilled Bill Lasak, 2462-1.
The Board of Directors and Harold Catt, 7232, treasurer, who discussed loan policy adopted in 1958 which reduced interest rates and increased reward per dollar paid.

In a Credit Committee report, committee members Dunbar, 7225, and Misra, 7232, chairman, Dan C. Heflin, 4152, and Edward W. Heflin, 4105. Returning to the Credit Committee are Mr. Hixley, chairman, V. O. Hemsley, 7223, and J. Janiss, 7228.

ASTM Members to Elect Officers Thursday, Feb. 16

CREDIT UNION OFFICERS—Elected officers of the San Diego Chapter of the American Society for Testing Materials for the current terms are: President, W. H. Montgomery, 2512; vice-president, H. E. Guerard, 3601; treasurer, L. S. Davis, 4132; secretary, W. A. O'Toole, 4132, and assistant treasurer, W. M. Snyder, 2512.

New Mexico State Income Tax Deadline April 15; Forms to Be Sent Taxpayers

Fielders. A.A.E. worked for the San Diego Gas and Electric. He had a near stand still and the drifts were getting deeper, deeper. Burt Brown worked on the night in downtown and officers quit.

Emergency Calls

Fielders were ready to handle calls on an emergency nature — and there were plenty of emergencies. Hadley wrote a fourth, 435, William C. Elam, Ernest E. Blyth, 1041, and Desert Telephone Company, R. D. Buse, 1041, and L. D. Chapman, 1941, breasted the cold far into the night answering calls. Pat fielders were in the dark for several hours. Night answering numerous emergen-

The conference was held at the San Diego Corporation buses crossed Highway 80 north to pick up Sandians returning from Los Almos. Usual fights were made and Bert Brown, William Peter and Richard Stanley drove some 40 miles north to meet Los Alamos taxis.

When city hall and usual two San Diego Corporation buses dropped down Central Avenue getting employers near their homes. Taxi service on the Base continued with Paul Sible and Joe Montgomery as drivers.

Two Scientists on Program of IRE Regional Meeting

Two Sandians, Arthur J. Blount and Edward C. F. Blount of the Electrical Engineering Department of the University of New Mexico.

The study which led to the writing of the thesis came from work on Sandia Corporation on a device to detect explosive pressures to an accuracy that beyond that of the local government's available equipment.

Mr. Blount's paper describes experimental work in development of rugged inexpensive voltmeter and current meters, and principally available parts, to provide portable calibration standards and standards which can be built into test equipment.

Mr. E. L. Blount called for a discussion on Sandia Corporation and E. McCallum, Mr. McCallum has been a Corporation employee since June, 1950.

Aquarium Association Meets Feb. 10.

The Albuquerque Aquarium Association will meet in a monthly meeting on the 10th each month. The meeting for February will be held at the American Museum of Natural History, 2790 Central Ave. All members are invited.

Winter Storm Crisis Met —

Large amounts of passengers were stranded at the Coronado Club, Wal- ter Dorgan, 2442, Walter Marion, 2441, and Robert Mead. Assistant Manager, made the decision to turn not the first night in the interior of the state with warm fingers and snow-covered feet.

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ASM Members to Hear Discussion of Vacuum Technology

A speech, entitled “Vacuum Metallurgies”, will be given by J. W. Cotton, an Officer of the American Society for Metals, at a meeting of the Albuquerque chapter of ASM, at the University of New Mexico on Tuesday, February 16.

An informal dinner at 12:15 p.m. at Hacienda at 9:30 p.m. will be the technical session of the meeting, which will begin at 8 p.m. in the Lecture Hall, Mechanical Engineering Building on the University campus.

Mr. Cotton is manager of the Vacuum Processing Department of a Machine Co. in Philadelphia. He has had considerable experience with vacuum applications within a number of large electronics companies as well as with industrial applications of vacuum techniques.

Guests are invited to attend the dinner and meeting. Reservations may be obtained from H. W. Hines, 1627, ext. 32246.

6 Sandians Farm Real Estate Records

'55 Chest Drive

Community Chest citations have gone to the following Sandia Corporation employees for outstanding service to community service” during the 1955-56 financial year: Mr. S. M. Donnan, Mrs. P. J. Weibe, Mr. A. K. Cotton, Mrs. T. E. Angell, Mr. H. W. Hines, Mr. E. A. Donnan. Mr. S. A. Donnan, Mrs. S. M. Donnan, Mr. W. S. H. Rider, Mrs. E. A. Donnan.

New OA Officers Elected by Members

R. W. M. O'Neill, 5596, has been elected second vice-president of the San Diego chapter of the Electrical and Radio Ordnance Association. The tests will be conducted in the Public Relations Division, under Mr. Heisenberg's supervision. The tests will be performed with the Corvus' drag chutes, and will include 555 vehicles.

Professional R Group E Activities

Telemetry Remote Control: The “Remote Control” on Telemetry and Remote Control, Albuquerquc, 759-759, will meet at 8 p.m. Feb. 16 in Room 219 at the University of New Mexico's Engineering Building.

A talk on “Military and Commercial Applications of Telemetry Systems” will be given by Mr. H. B. Atkins, managing engineer of Armco Electric Corporation's Instrument Division.

Plastic Shop to Be Constructed for Lab Staff

Two construction projects, including the establishment of a new store and the construction of a new Sugarcane Corporation building, will be remodeled in the plastic shop with the installation of plastic-covered air conditioning, heating, and ventilating systems for the new store. A new press and compressed air facilities will be provided. The facilities will be arranged to provide a complete system for the building, and an equipment room and storage area will be provided.

The remodeling will take approximately 120 days to complete. Plans for the remodeling project were prepared by the Plant Engineering Department. The completion of the work in progress will be performed by this organization.

Plans and specifications were also drawn up by Department 2440 for the installation of a plastic shop system in Building 702. This project is expected to be completed by the end of March.

Balloon Tests at Los Lunas Range Begin March

Six balloon experiments will be conducted this month by Sandia Corporation at the Los Lunas Bombing Range.

In charge of the experiments, which are similar to those conducted at the abandoned Del Norte Air Force Base in December, are Charles Scott, 7554, and Joseph Holub, both of the Full Scale Test Department. The tests were for the purpose of studying the problems involved in launching instruments into the atmosphere.

Many of the polyethylene balloon hoppers with nylon covers will be filled with liquid hydrogen, helium-filled and flown at heights of 700 to 1500 feet during the week of March 11.

The Los Lunas Bombing Range is an auxiliary range of the Sandia Range Center at Kirtland ABF and is located about 15 miles west of Los Alamos.

HE Tests Scheduled For This Month by Sandia Corporation

Tests on a series of small thrusters of conventional high velocity rocket engines, which will be conducted on the Las Cruces Range by Sandia Corporation. The tests will be conducted in an area located south of the Basin proper and west of the city. The tests will be conducted by Mr. R. E. Conner, manager of Sandia Corporation's Las Cruces Range, which will direct the work.

The 10 to 25 explosions planned for the series will extend over a period of several months. Residents of the area may hear noise from the area due to the use of subsonic rocket motors, but it is unlikely that the explosions will cause any damage.

Much larger charges of explosives have been detonated in the Coyote Canyon area during the past several years but these have been limited to areas far from populated areas.

Author Gives Tips To Rocketeers

"The latest edition of "Rocketeers" will be issued by Robert McCollum, 7575, Albuquerquc author and expert, will address the Rocketeers' monthly meeting on February 15 at 7:30 p.m. at the Albuquerque Potters' Society of Technical Writers, "Aids to Reusability" will be the topic.

Col. McCormum has announced that the purpose of the meeting is to discuss ways of achieving interest and animation in rocketeering without exceeding the limits of safety. The meeting, to be held at the Cotopaxi Club at 7:30 p.m., is open to Rocketeers and guests. Refreshments of coffee and rolls will be served at a cost of 25 cents per person.