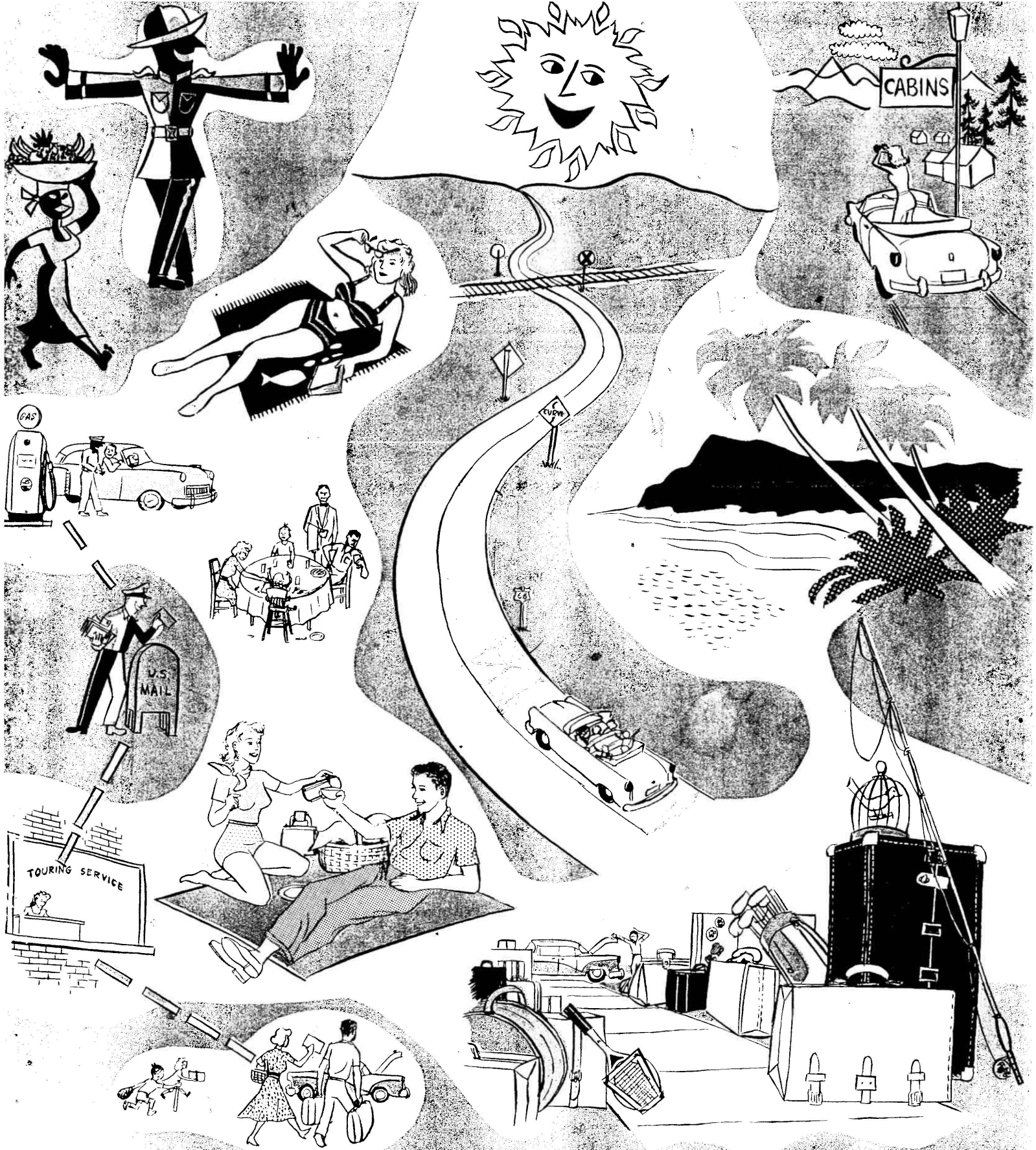
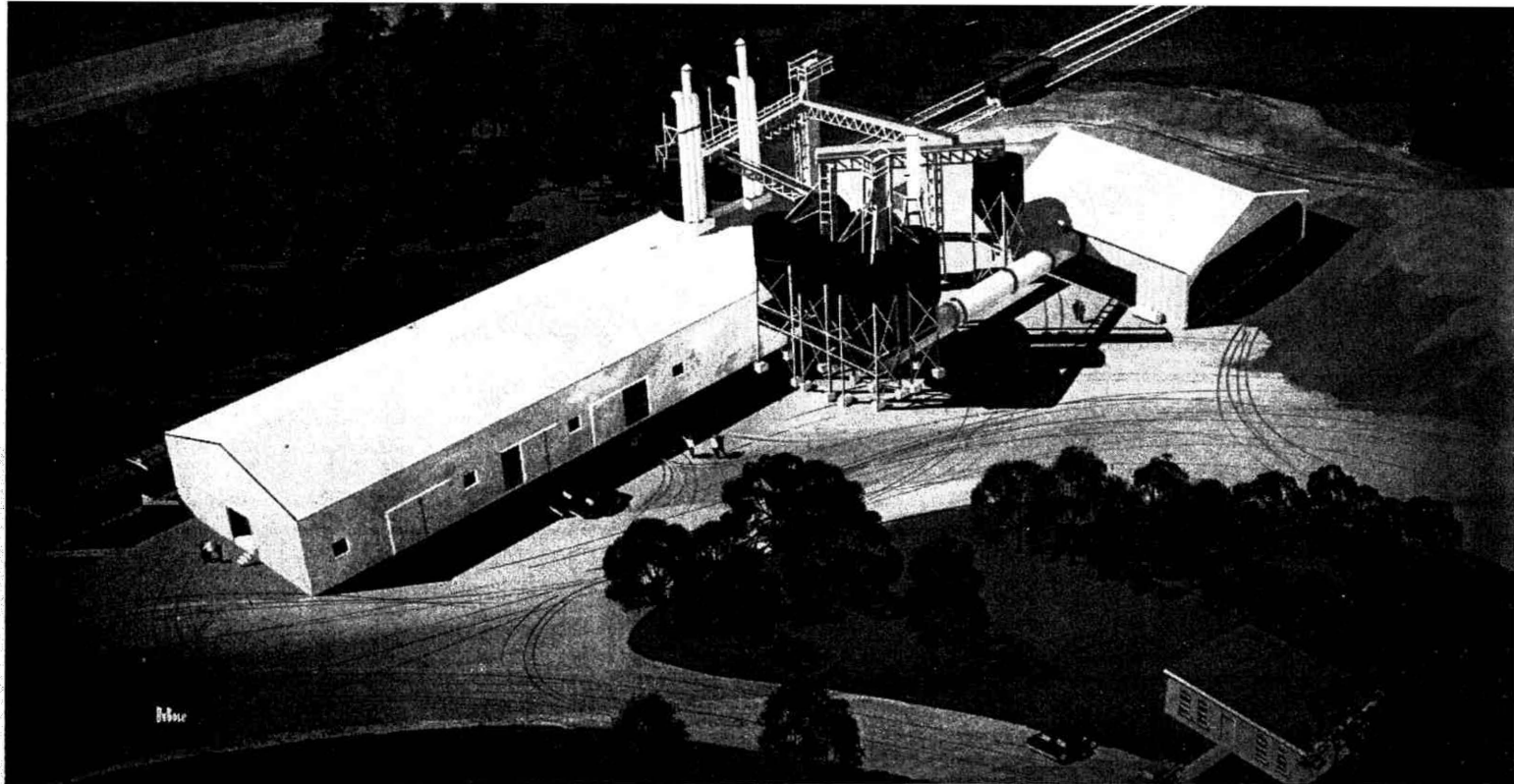




The JULY-AUGUST 1956
Magco Scene

MAGNET COVE BARIUM CORPORATION

TWO WEEKS WITH PAY



NEW PLANT COMBINES MODERN APPEARANCE WITH INCREASED EFFICIENCY IN TURNING OUT NINE PRODUCTS

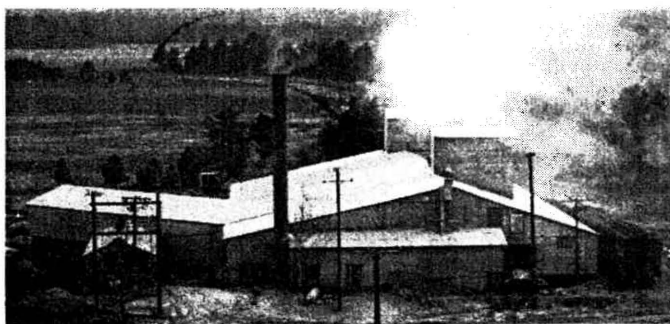
THE BIG CHANGE AT **ZAVALLA**

*New facilities bring new enthusiasm
to one of Magcobar's oldest installations*

Magcobar's Zavalla, Texas production plant, the Company's old reliable that has chugged along in grand fashion since 1943, has taken a giant step in production capacity and product versatility with its recent move into new and larger facilities.

The move was accomplished slowly over a five-month period. Production shutdown during the changeover was held to a minimum as the old and new plants were often both operating at the same time.

The new plant is a scant 250 yards from the old one, but it is far removed in operating efficiency. For grinding of the clays which comprise its raw material, it has two Raymond mills compared with the old plant's one. Its drier has triple the capacity of the one in the old plant, and its loading, unloading and materials-handling facilities are vastly superior to the old plant's. In every way the new Zavalla plant is bigger, better and smoother operating.



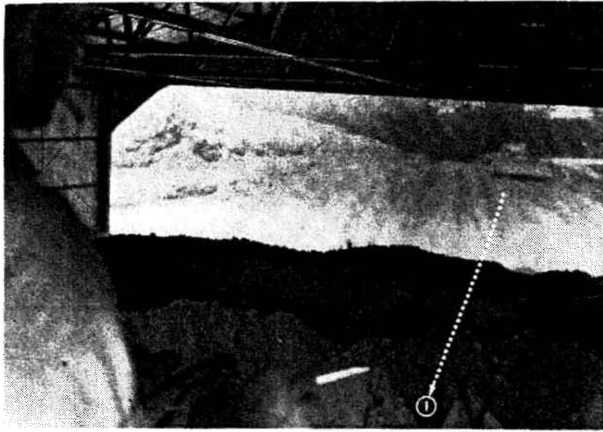
Old Zavalla plant had been operating steadily for years.

The increased efficiency and capacity of the Zavalla installation in processing nine different products comes at a time when it is sorely needed. Oil industry demand for the drilling mud products it turns out such as TannAthin, FormA-plug, Xact Drilling Clay and High Yield has been rising and is expected to continue to do so. At the same time, its sizeable production of filter clays

used in refining petroleum and vegetable oil and carrier clays used in making insecticides will help form the backbone of the Company's bristling diversification program spearheaded by the Industrial Sales Department.

THE OPERATION

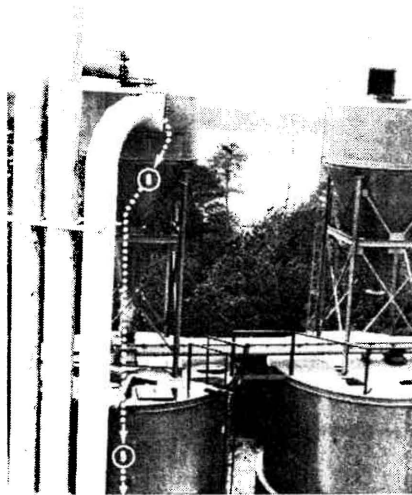
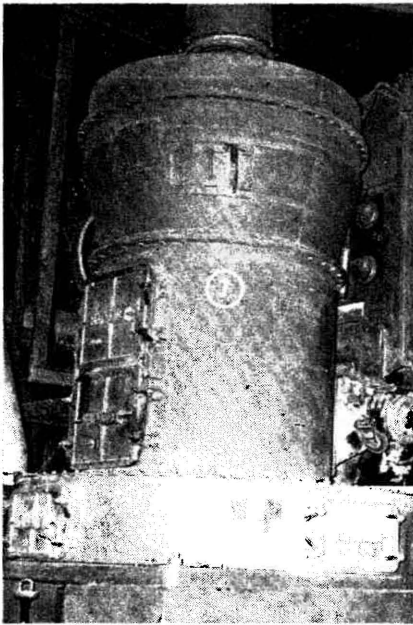
The Zavalla plant produces drilling mud from clays mined in the nearby Angelina National Forest. In the mining operation, bulldozers remove the relatively thin layer of overburden and then steam shovels move in to scoop up the



Slusher drags material from stockpile into slicer (1), from which it drops on to conveyor belt (2) shown below.



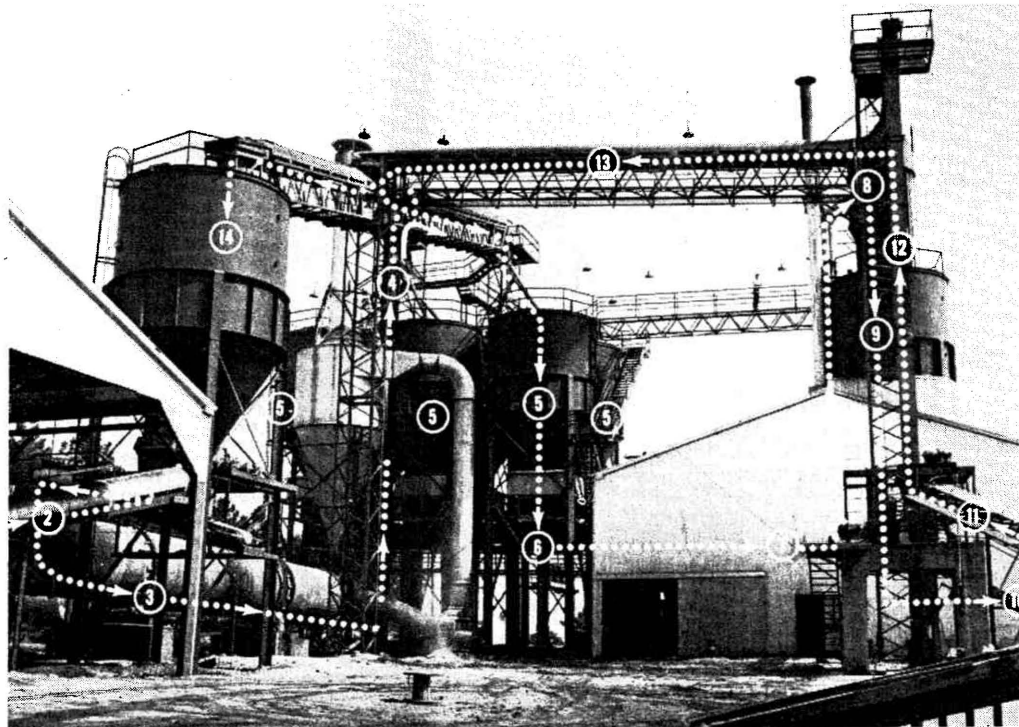
The town depot as seen by train passengers.



Raymond mills like one at left (7) size material. Then, air-carried to cyclone collectors (8), it goes to finished product storage bins (9), and then to bulk loading or sacking operation (10), and then to stock points across the country.

ZAVALLA PLANT OPERATION

After clay is sliced (1), it goes up (2) conveyor and into (3) the drier, where moisture is removed, up (4) an elevator, and then into (5) six storage tanks. Next it goes by (6) two conveyors to (7) two Raymond mills (in building), where it is ground and sized, and then to (8) two cyclone collectors and to (9) the two finished product storage bins. From here it goes to (10) the sacking operation, or to bulk storage. Material brought in from other Magcobar plants starts up (11) the conveyor, moves up (12) the elevator to (13) another conveyor and on to either (14) the TannAthrin storage bin, or to the conveyor that moves it to storage to be processed.





Attractive Bonnie Berry is the new clerk-typist.



Figure-minded Fred Oaks is accountant.



Pert Eva Gay Pickard is plant stenographer.



The Zavalla mill force, most of whom are shown in this photo taken just before the evening shift change, includes a number of Magcobar's oldest employees.

clay and load the trucks racing back and forth between the mining area and the plant stockpile. At the plant, the clay is sliced and dried, ground and sacked, or shipped in bulk, in much the same way as ore is processed at many of the Company's other plants.

THE PERSONNEL

Almost without exception, the plant personnel are "old hands." Allan Donovan, the wiry plant manager, has headed up the operation for all of the 13 years it has been under Magnet Cove. J. P. Haskins, day foreman, has been working at the plant since he helped build it for its original owners over 19 years ago. Members of the plant's two crews average over five years in length of service, a point quite in evidence in the unspoken coordination of their work.

THE TOWN

Zavalla is a small town about 140 miles northeast of Houston. According to local stories it was named for a Spanish general named Zavala who passed that way in the days of the Spanish Conquistadores in Texas. The last of his descendants in the town are said to have died less than five years ago.

The approximately 250 citizens are easy-going. They seem reluctant to adopt the brisk pace of the large cities, preferring instead the measured gait of their Spanish heritage. Most of their time is spent in earning a living and bringing up families. "Social life" as it is known in larger cities is practically non-existent. Changes in the town, when they do occur, are slow and gradual. The hard-working Zavalla citizenry like it that way.

And yet, many of these same people comprise the working force of the Zavalla plant—the working force that is as enthusiastic about the change to the new plant as the Company is. Without that degree of enthusiasm, the Zavalla plant has "chugged along in grand fashion since 1943." With it, and with the new and larger facilities that caused it, the plant should hum. Past performance strongly indicates it will.

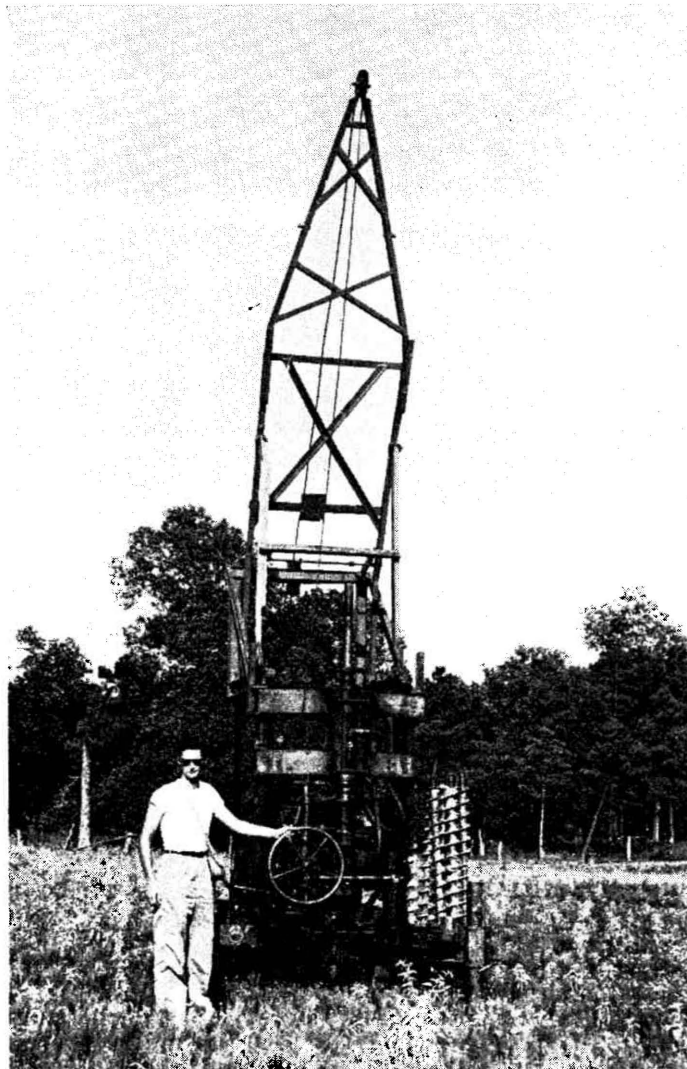


Plant Manager Donovan can usually be found working in plant.



Research Division, typified by Gene Werlein, Applied Research, improves products and develops new ones.

Finding needed raw materials, improving and adapting our products or developing new ones, and perfecting the methods of using those products are the jobs of . . .



Geology Division assigns geologists such as Ken Young (shown with coring rig) to help plants with mining.

MAGCOBAR'S TECHNICAL DEPARTMENT

Like many another foresighted company, Magnet Cove Barium discovered early in its history that if it were to survive in the intensely-competitive mud business it had to do more than just produce and sell and count its profits.

To grow and succeed, Magcobar realized it had to not only keep pace with industry's changing needs for drilling mud but also to anticipate changes and to develop products to meet new requirements of the drilling industry. Needed generally were more mineral reserves (supply), more detailed information to make possible the formulation of new types of muds (research) and a better knowledge of methods for using available muds (service).

This is the first in a series of articles on Magcobar's departments. It is presented to answer the growing need for internal communications within our growing Company. What are the functions of the departments? Who are the people, and what are their jobs? These are some of the questions to be answered.

To Orien W. Van Dyke, now vice president and technical director, went the task of building within Magcobar an organization equipped with the know-how, manpower, and facilities to fill these needs. The Company then was small,

and Van Dyke began in a small way to build. He began building the organization with a small laboratory located in his own garage. Many years and many expansions later it has become Magcobar's Technical Department, a well integrated group that keeps Magcobar in the forefront in the technical advancement of drilling muds. Housed for the most

Continued on Page 10



ORIEN W. VAN DYKE

Title: Vice President and Technical Director

Job: Administers policies and procedures pertaining to technical development of useful mud products by anticipating customers' needs, to assure the Company's leadership in its field.

Secretary: Jean Kott

Key Men in the Technical Department

WILLIAM REDDIE
 Title: Manager, Research Division
 Job: Directs basic and applied chemical research programs for introduction and development of products for use in drilling mud.
 Secretary: Totsy Peace

RESEARCH



GEOLOGY



FRED CHISHOLM

Title: Manager, Technical Service Division

Job: Coordinates joint activities of Technical Department for optimum effectiveness and maintains technical laboratories as a service to other Company departments and customers.

Secretary: Carmel Smith



SERVICE



FINIS TURNER

Title: Section Supervisor, Product Development Laboratory

Job: Evaluates raw materials and works out methods of making them into marketable products.



SAM KOHEN

Title: Section Supervisor, Field Service Laboratory

Job: Provides an effective service laboratory for the solution of mud problems on which assistance is requested by field personnel, and evaluates and develops commercial mud products.



KEITH WAGNER

Title: Section Supervisor, Analytical Laboratory

Job: Conducts qualitative and quantitative analyses as a service to technical sections and field personnel, and tests performance characteristics of specified Mag-cobar products.



EUGENE WERLEIN

Title: Section Supervisor, Applied Research

Job: Develops products and evaluates chemicals for use in drilling fluids.



KENNETH MONROE

Title: Senior Chemist, Basic Research

Job: Synthesizes new materials for potential use in drilling fluids, and obtains basic data concerning methods of and conditions for manufacture.



JAMES HAYWARD

Title: Senior Chemist, Basic Research

Job: Evaluates newly synthesized materials and investigates production methods and pilot plant design for research products.

LARRY HERMES

Title: Manager, Geology Division

Job: Executes an effective mineral exploration and leasing program to maintain Company's reserves for production purposes.

Secretary: Marjorie Heisey

CHARLES HOOPER

Title: Assistant Manager, Geology Division

Job: Provides technical assistance in the planning and administration of various exploration programs.



LINN COOPER

Title: Section Supervisor, Engineering Equipment

Job: Provides mud testing equipment and automotive transportation as required for Company operations, and serves as Building Superintendent of Houston office.



JOHN SLOAN

Title: Section Supervisor, General Laboratory

Job: Conducts microscopic and photographic studies of minerals and mud products, and tests production samples as a double check to maintain high quality of Magcobar products.



KENNETH PFLEGER

Title: Section Supervisor, Engineering Training Laboratory

Job: Carries out a technical training program for new sales and service engineers and selected customer personnel, on fundamentals of drilling mud control.

part in the Houston office, it is staffed by trained specialists.

THE PERSONNEL

The average member of this department holds a technical degree, is about 33 years of age, married with children, and vitally interested in the theoretical aspects of the drilling mud business. He thrives on the study of rock formations, or chemical reaction or material performance. He deals in facts and ideas relating to the development of products and equipment which enables the Company to maintain its leadership in serving the changing needs of the drilling industry.

THE ORGANIZATION

The department has changed considerably since it was first organized as the Engineering Department. As it grew, its name was changed and its organizational structure modified for most efficient operation. Today the Technical Department is composed of the Geology, Research and Technical Services Divisions.

These divisions are closely associated with the other departments and with men in the field. In fact, the men in the field exert a strong influence on their activities, by reporting information about new product needs, or by requesting technical assistance through their supervisors.

Geology. This division could be called the beginning of our Company operations. Under Larry Hermes, it locates through geological exploration and surveys the raw materials which figure in production, research, and sales, and which affect our accounting. Almost all of its personnel stay in the field, traveling thousands of miles to test deposits for quality and quantity, to arrange for leasing, or to assist the Production Department in setting up initial mining procedures. Many plants are assigned geologists who assist in mapping

out the year-to-year mining program. Through this division's effort's Magcobar has secured the world's largest reserves of barite and bentonite, materials used in our basic products.

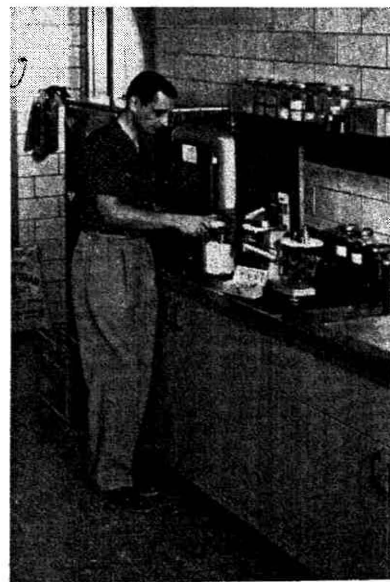
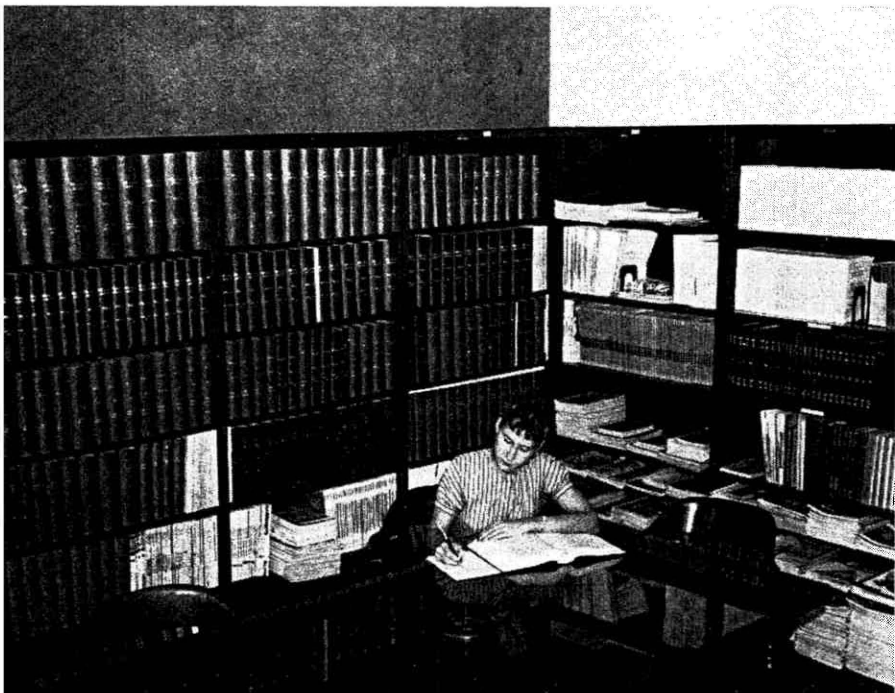
Research. Directed by William Reddie, this division is made up of two sections — Basic Research and Applied Research. The Basic Research Section, located at Magcobar's original research laboratories on Almeda Road near Houston, explores physical and chemical methods of producing new drilling mud additives. The Applied Research Section is located at the Houston office. Its main function is to pursue the commercial development of new ideas for drilling mud products or techniques.

Technical Services. Fred Chisholm directs the many and varied activities of this division. Its laboratory facilities and staff of technical personnel at Houston serve both customers and other Company groups. Organized into six sections, it trains sales and service engineers and selected customer personnel in the fundamentals of mud technology; supplies mobile units and mud testing equipment for Company use; cooperates with sales and service engineers and with customers in determining the most efficient and economical application of Company products; strives to improve mud products and mud engineering techniques through research and experimentation, and carries on regular quality control tests of Company products.

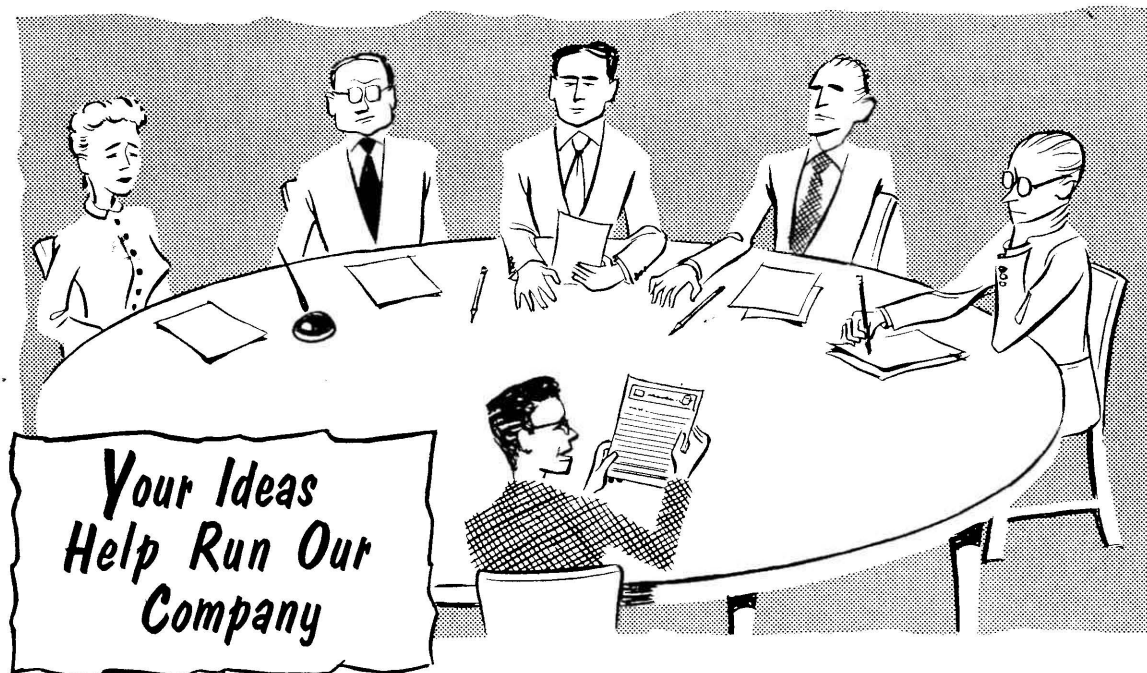
Magcobar employees can logically take pride in the Technical Department, and all the personnel who make it up. Their efforts contribute to a secure employment future for all of us. At the same time, however, their activities can be termed a success only in the light of later work by the Production, Sales, and Controllers Departments.

NEXT: PRODUCTION DEPARTMENT

Technical literature on drilling muds is maintained in library, under the Technical Services Division. Librarian is Barbara Teas.



Sam Kohen, Technical Services, directs Field Service Lab that helps out on field mud problems.



Magcobar's Suggestion program encourages employees to improve our Company, and profit

By means of Magcobar's extensive Employee Suggestion System, any employee who feels so inclined may tug at the reins that direct our Company's many activities. In effect, this program gives each and every employee a voice in the formulation of Company policies.

The system was devised and put into operation over a year ago in the belief that no one has more insight into the immediate problems connected with a particular job than the individual doing that job. Designed to encourage everyone to put his ideas for improving Company activities before management, the system has, in itself, been an improvement. Since initiated, it has yielded numerous workable proposals for benefitting almost every phase of Company operations.

Suggestions have dealt variously with improving mining operations, sales, office procedures and public relations. Some have proposed methods for increasing group efficiency. Many of these suggestions have been paid off with cash awards after being adjudged acceptable by the Suggestion Committee.

As might be expected, most suggestions deal with the suggestor's own job or his own work area. For example, one sales and service engineer was paid off for suggesting that well reports show where lost circulation zones were encountered in drilling so that "the treatment (by a sales and service engineer) of future wells in that territory would be easier." Other suggestions have been broader in scope, affecting areas outside the suggestor's own department.

WHO MAY SUGGEST

All active employees are eligible to submit suggestions and receive awards under this system. However, methods or ideas developed as part of an employee's job will not be considered. Ideas developed as part of the joint effort of two or more employees are submitted jointly.

AWARDS

A minimum cash award of \$10 will be paid for an approved suggestion. All awards exceeding \$250 are approved by the president. While improvements in economy and efficiency are outstanding aims in the evaluation of suggestions, other factors such as safety, ease of application, convenience, novelty or originality also influence the amounts of the award.

THE SYSTEM

Suggestion blanks are available at the many conveniently located suggestion boxes throughout the Company. The usual suggestion states in order: (1) the idea as clearly as possible; (2) what it will accomplish, i.e., savings or increased efficiency that will result; and (3) how the improvement should be carried out. Daily, the suggestions dropped into the slot of the locked boxes are picked up.

An immediate acknowledgement is sent to each suggestor in the name of the Suggestion Committee by the chairman. Copies of technical suggestions are sent to respective department heads, and, with their recommendations attached, are processed at the earliest meeting of the Suggestion Committee, along with suggestions of a more general nature.

The Suggestion Committee is composed of designated representatives of the various departments. It meets at least once a month to review all suggestions. Its decisions are conveyed to the suggestors by personal letters. If a suggestion is accepted, the suggestor is commended for his idea and informed of the amount of his cash award. If the suggestion is unacceptable, he receives an explanation of why the suggestion cannot be implemented. Whatever the decision, the employee is thanked for his suggestion and encouraged to submit any other ideas he may have.

After a suggestion is accepted, and the cash award paid, it is sent to the department head concerned, and put into action as soon as possible.



► The 1956 edition of the "Magcobar Huddles" wound up the season in the Bellaire Industrial League with a record of 3 wins, 7 losses.

Pictured at left are nine of the diamond stalwarts: top row — Jack Heller, Sam Cooper, Don Lynch, Jim Hooker, Bob Alexander; bottom row — Gene Werlein, Frank Akin, Harold Le Beau and John Sloan. Members not shown are: Jim Armstrong, Dan Elkins, Jim Griffin, Roger Schulze, Lee White, David Pounds, Elbert Walker, Charles Hooper, Ted Paris and Leon McFerrin.

The team has now moved into *The Houston Chronicle* Tournament and has won its first game.

Sack Time

By A. T. ROBERTSON, Personnel Director



► Bright prospects for Magcobar in Europe were reported by Oliver H. Moore, industrial sales manager, last month.

Returned from a three-week tour of Europe, where he appraised the potential markets for both drilling mud and industrial products, Moore said he believes the markets for Magcobar products are there. He was most impressed by Germany, which "looks very prosperous."

► Alvin Dark has become a St. Louis Cardinal. The peppery shortstop, long a mainstay of the New York Giants and Magcobar's off-season ambassador of good will, joined the Cards in the biggest trade of the current baseball season.

AUGUST IS THE MONTH OF VACATION AND OBLIGATION

With all due respect to *The Bible*, from which we borrowed part of the phrasing, we offer this as an apt description of our country at this time.



Robertson

The blazing sun burns the earth; the time of singing and laughing of vacationing families is come, and the voice of the politician is heard in our land.

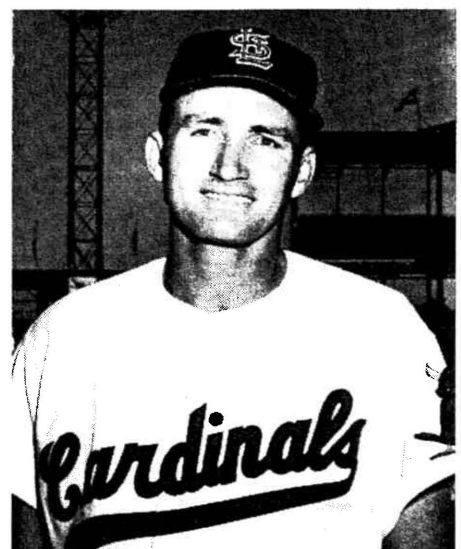
This, to us, is America in August: heat bringing thoughts of vacation, of getting a change in scenery, and of relaxing; and the chanting voices of politicians, coming to us from all sides, reminding us of the danger in relaxing too completely.

As our cover story points out, during these hot months Magcobar guys and gals like to hit the road. To them, as to most folks, August is a time to forget your cares. Trouble is, with an important election coming up, it is also a time for decisions. We owe it to each other, and to the folks now dead who made them possible, to make them as wisely as we are able.

Our forefathers made this nation of ours a great place in which to live, and work, and worship and vacation. Our goal should be to make it an even better place for our children. To do that we have to put forth an effort. We have to remember our obligation to vote, and to work at choosing for public office the people we believe the best qualified.

Admittedly it's difficult to separate the mud-slinging, promises and accusations from the facts. But that is what we must try to do. We should study each office carefully, and the people running for that office even more carefully. We should attempt to get the facts (as best we can), the candidate's platform, his ideas and beliefs. Then we should make our decisions and vote our convictions. When everyone does this, we can all be sure that the American Way is in no danger.

To refresh you on the structure of our voting system, we are enclosing in this issue of *The MAGCO SCENE* a copy of *American Voter*. We hope it will be of interest to you, and play some small part in reminding you of the decisions you must make.



Alvin Dark, now a St. Louis Cardinal.

HERE AND THERE

Hinson

Lloyd Bryan, plant project manager, and wife *Florence* are proud parents of a new daughter *Evelyn Boyle*, who bowed in at Tallahassee Memorial Hospital May 24 at a well distributed 8 pounds, 12½ ounces.

Houston

John "Chicken" Puryear, Magcobar's supervisor of Inventory Control, and wife *Ruth* increased their own inventory to three with the birth of *Jaye Mahayne* in Hermann Hospital May 30.

Beaming *Larry Hermes*, manager of the Geology division, and wife *Kathryn* perpetuated the name *Hermes* with the arrival of son *Lawrence Michael Hermes III*, their first, May 31 at St. Luke's Hospital. The newcomer weighed 6 pounds, 15 ounces.

Sid and Mary Ann Lindley, he of Permian Mud, announced the birth of daughter *Sidney Ann* in Midland, Texas, July 28. Proudest recipients of the news were the *Willard M. Johnsons*, parents of the mother. Now Grandpa and Grandma Johnson have three grandchildren.

Ethel Powell, Safety Director *Jim Woodley's* right arm, accidentally broke the little toe on her right foot while vacuuming. This is unfortunate, but not wholly unusual, even for someone in the Safety Department. What is unusual is that *Ethel*, a brave soul if there ever was one, walked about for two weeks with a "sore toe" before she learned it was broken. All the time she hobbled about, her boss kept telling her it might be serious, that she should see a doctor. When *Ethel* reported it was broken, *Jim* said, "see, I toe you so." (Ouch!) Fortunately, for *Ethel* and *Jim*, *Barbara Springer*, the department's new typist from Rosebud, Texas, is in A-1 shape.

A. T. Robertson, personnel director, presented the trophy that Magcobar donated to the Fifth Annual Women's Invitational Softball Tournament held in Houston last month and won by

Fort Worth. Magcobar's trophy went to Birmingham, Ala., the Fourth place team.

C. A. (Tony) Logan, cost analyst, found himself in a delightful dilemma recently when, while visiting the Greybull, Wyo., plant, he won the horse and complete outfit offered at the local rodeo celebration. The rig was valued at about \$1,000. The prize winning ticket was purchased by *Lee Grenier*, Greybull plant manager, who unwisely gave it to *Tony*. Scheduled back in Houston soon after winning, *Tony* was forced to leave the horse and saddle with *Lee*. Today, back in Houston, he has received word from *Lee* that the horse has gone for feed and storage. Maybe *Lee* is gonna get that outfit yet.

Malvern

L. D. Finley has become a "tiller of the soil" with his move to his newly purchased farm.

All our wishes for a speedy recovery go

to *Mrs. Marvin Seldin*, who is undergoing treatment in Leo N. Levi Hospital in Hot Springs, Ark.

Jewel Walker returned to work after an extended sick leave during which he gained about 35 pounds. Looks like a new wardrobe is in order.

John M. White, winner of six drag-race cups, added another to his collection with a win in Oklahoma. *John*, the Arkansas champion in class B — gas, coupe and sedan, built his own car, a 1932 Ford. Engine is full race, flat head.

Harley Davidson and *Paul Jordan* are starting an archery club at *Harley's* private range on his farm.

Reba Cunningham, daughter of *Bruce Cunningham*, was one of three girls from Malvern High School selected to attend Arkansas Girls State.

Among the Magcobar employees who enjoy water sports on the surrounding lakes (*Catherine*, *Hamilton* and *Ouachita*) is *Ben Tabor*, who has been

Continued on Page 15

Safety is no accident —

Take Your Vacation--But Take It Easy

By JIM WOODLEY, Safety Director

If you want to enjoy your vacation, don't include accidents on your agenda. When you leave your job, your chances of having an accident increase with the amount of fun you plan.

Driving — Take it easy; get there just as quickly, and not nearly so tired, and you see the countryside. Put the jalopy in good condition and keep it that way by driving sensibly in heavy traffic, bad weather or on bad roads.

Home — If this is a do-it-yourself vacation, watch the lawn tools, ladders, heavy lifting and the hot sunshine. Don't try to be a superman. Vacations are for rest and relaxation.

Camping — Use the hatchet on the firewood, not on your fingers, and treat the campfire with respect. It will

help if you can recognize poisonous plants, snakes, and your own capacity for mountain climbing or long hikes. If not sure of drinking water, take a moment to boil it.

Boating, swimming, or fishing — Careful of rough water, horseplay, overloading, and standing. Take life preservers along. If the boat turns over, stick with it. Going swimming? Know your water, and don't swim alone, in the dark, or after eating. Use the hook on the fish and not yourself. Don't forget to get your tan in small doses, and keep a close eye on the little ones.

Take it easy — have a safe, restful vacation, and we'll all swap lies when you get back.



Peterson, without hat.

In The Spotlite



Wilson, with hat.

sponsored by the University of Wyoming. He joined Magnet Cove in May, 1953. His only assignment has been at Greybull. From months of exploration and study, he knows approximately where all the bentonite in the area lies. As you might guess, his hobby is collecting rocks. A bachelor, he spends many of his weekends in Casper, Wyo., and Billings, Mont., because "there's not much for a single man to do in Greybull."

Easy-going, but enthusiastic **Paul Peterson** is in his element around mining. Born at Cody, Wyo., he has been connected with the mining of bentonite in that part of the country since 1921. He and his wife, Margaret, have lived at Greybull for 13 years. He has been with Magcobar for three years. As a result of his discovery of a new ichthyosaur skeleton, he can claim a measure of fame in certain scientific circles interested in the now extinct marine reptile.

Bob and Paul are two excellent men to have around. With Lee Grenier, Greybull plant manager, who hired them both, they rate high. For folks acquainted with Lee's standards, that's quite a recommendation.

Greybull Pair Like The Outdoors

Bob Wilson and Paul Peterson are key members of the Greybull, Wyo., production team that keeps Magcobar's top-quality bentonite in plentiful supply for the countless needy drilling operations across the country.

Bob, the Greybull plant geologist, locates the bentonite deposits, while Paul, the lab technician, checks product quality to maintain it at the same high standard, and oversees the job of extracting the material from the earth and delivering it to the mill for processing.

During the often violent Wyoming winters, neither man ventures much farther from the small brick office on the west side of the Big Horn River than the nearby mill and stockpile. But, on the long, hot summer days, you can almost always find them working across the river, amid the beautiful monotony of buttes, canyons, draws and peaks which make up the Greybull mining operation.

In their zest for the outdoors, they are alike. The glaring sun, the terrain's vastness, and the "something new to find each day" imparts pride and pleasure to each of them. In appearance, too, they are similar, though Paul is Bob's senior by more than a few years. Both stand tall and erect, and their faces have the same healthy tan. It's easy to tell them apart, though, even from a distance. When checking prospecting and claim development work, Bob sports a faded

baseball cap, while Paul, when supervising stripping of overburden, or loading and hauling of clays, usually wears a dusty pith helmet.

Bob Wilson is the quiet one. He speaks slowly and lowly on every subject except geology. On this he speaks with authority. It has been his main interest since his days at Sul Ross State Teachers College, where he earned a degree in geology. Recently he taught a course in geology at Greybull that was

What Is a Customer?

A Customer . . .

- . . is the most important person in any business.
- . . is not dependent on us — we are dependent on him.
- . . is not an interruption of our work — he is the purpose of it.
- . . does us a favor when he calls — we are not doing him a favor by serving him.
- . . is a part of our business — not an outsider.
- . . is not a cold statistic — he is a flesh and blood human being with feelings and emotions like our own.
- . . is not someone to argue or match wits with.
- . . is a person who brings us his wants — it is our job to fill those wants.
- . . is deserving of the most courteous and attentive treatment we can give him.
- . . is the fellow that makes it possible to pay your salary whether you are a plant employee, office employee, salesman or manager.
- . . is the life-blood of this and every other business.



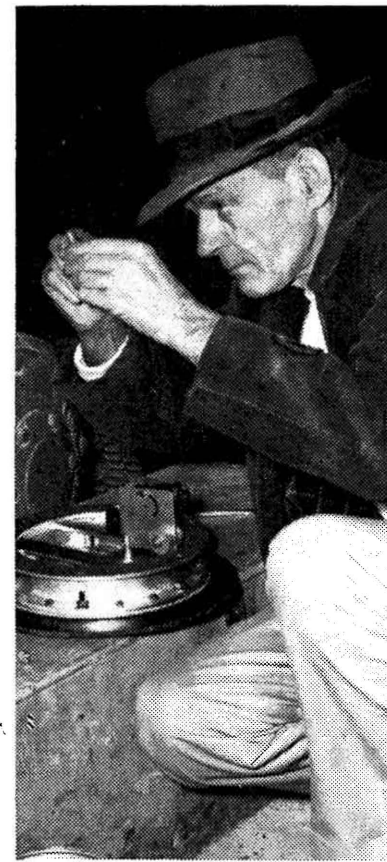
Top: Belton Havard, Orrin Sheffield, , Calvin Kitchens, Ezra Stanley, Buck Wade

Middle: Mack Massey, Johnny Gilcrease, Jack Williams, Rob Weaver, Jess Widner, I.D. Powell, Eli Boykin,
Van "Rip" Havard, Charlie Weaver

Front: Joe P. Haskins, Charlie King, Clyde Luce, Jim Hornsby, Venis Evans, Jimmy Harris, Cloyd Caples, Frank Stanley



The Zavalla mill force, most of whom are shown in this photo taken just before the evening shift change, includes a number of Magcobar's oldest employees.



Plant Manager Donally be found work



Standing (left to right)

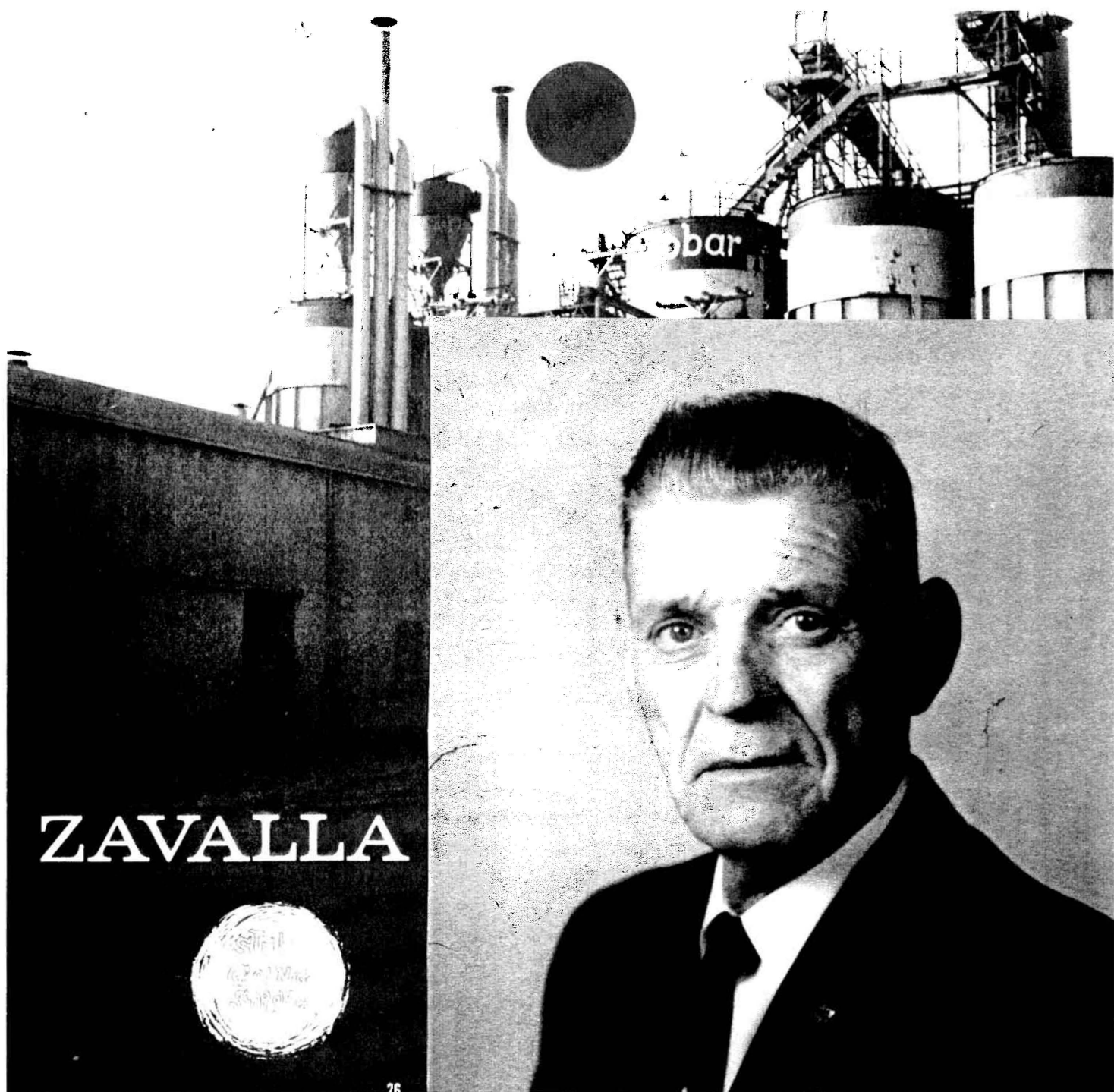
Van Howard
 B. W. Davis
 Robert Chambers
 Dick Donovan
 Albert. Blaine
 Elaid Caplen
 Warren Hopkins
 Alvin Vernon
 Mack Mc Gilberry
 Sands Farley

Front row (left to right)

Joe Hardins
 Vernon Lakey
 Cloud Hamilton
 James Tullas
 Eva Gay
 J. J. Mc Gilberry
 Bonnie Donovan
 Berry Farley



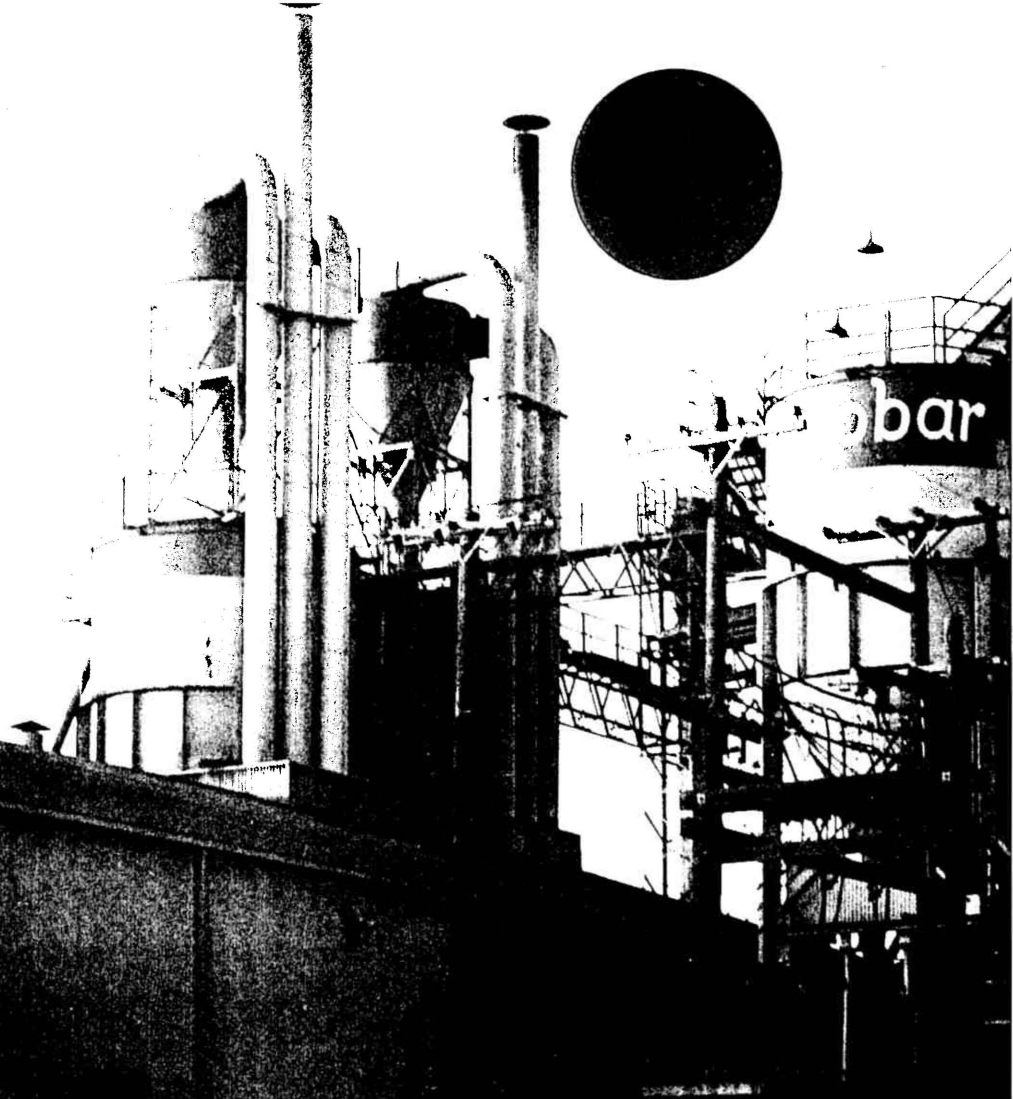




A. T. D O N O V A N

Donovan was Plant Manager from 1943 until he retired in May, 1961.

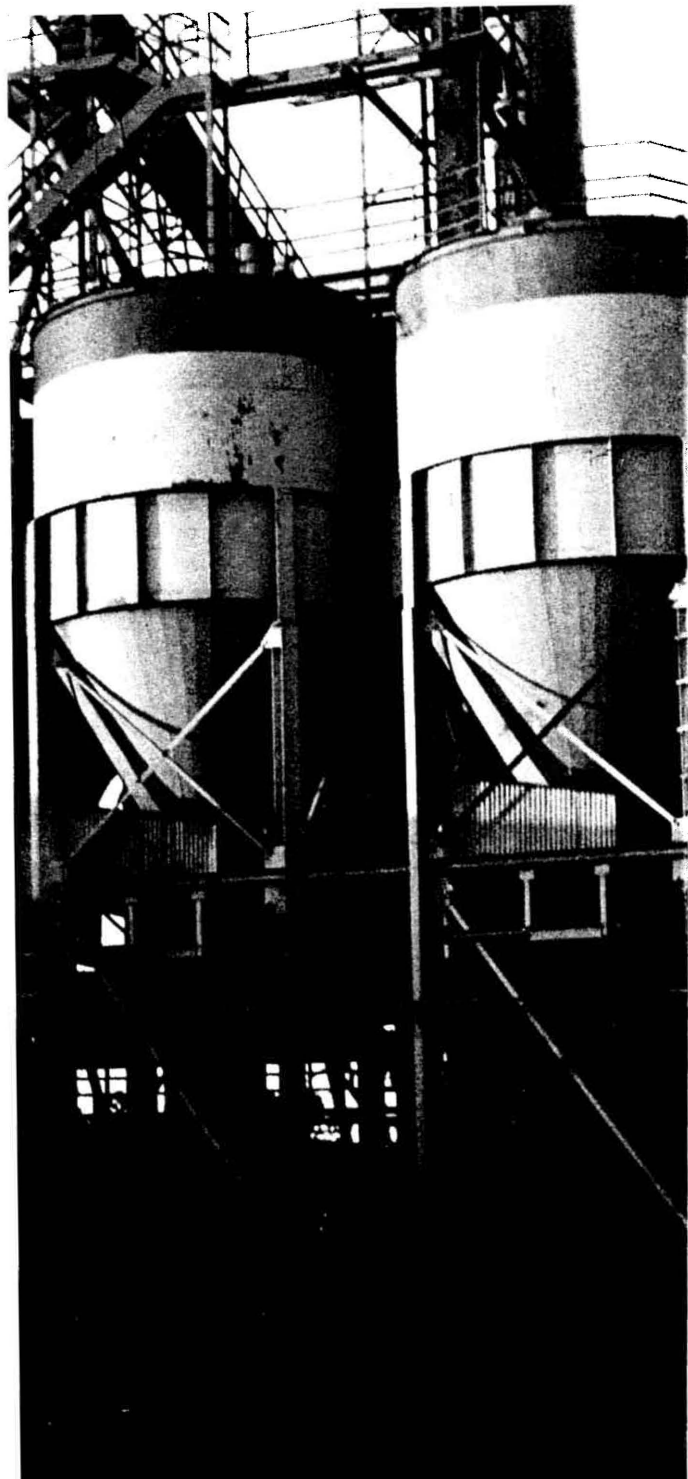
Nov. Jan
1962



ZAVALLA



The November-December, 1953, issue of the Magcoscene carried an article about Magcobar's plant and mine near Zavalla, Texas. The article mentioned that Zavalla is a quiet little village about 140 miles north of Houston, that the Magcobar operation there is a pioneer of the company (having begun in 1943), that the clay used in some of the production comes from the Angelina National Forest which surrounds the plant, and that the plant sacked no less than nine different Magcobar products.



Again, in August of 1956, the Magco-scene visited Zavalla. This time the report was that the plant had been moved into new, and larger facilities. Another Raymond Mill had been added; a new drier with triple the capacity of the old one was installed; loading, unloading, and material handling equipment was greatly improved; and the plant was still putting out nine different products.

Here we are in 1962. How is our old reliable Zavalla coming along by now? The answer to that question is, "Better

than ever". Zavalla, the town, is still a quiet little village; clay is still being mined out of the surrounding forest; the new equipment added in 1956, with additional improvements, is humming right along; the plant, with the passing time, is now more of a pioneer company operation than ever before; BUT, they are no longer sacking nine products. Instead, during the past year Zavalla has sacked twelve Magcobar products including the newly developed XP-20.* On top of that, there is a new muller and curing shed, specifically installed for XP-20* production.

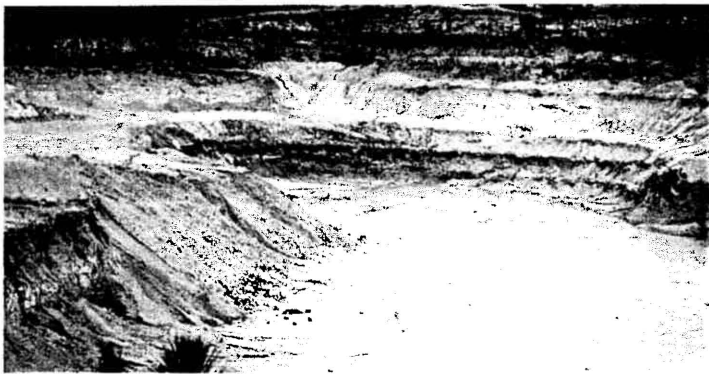
Another major change since the last report on Zavalla is in the personnel area. A. T. Donovan, plant manager since the 1943 beginning, was retired in May, 1961. Taking his place is Harvey Hinshaw, formerly manager of the Kosciusko, Mississippi plant. Harvey, a five year Magcobar veteran, is a mining engineer out of Alabama who has already demonstrated his determination to keep Zavalla at top production.

The twelve products turned out during the past year are a mixture of industrial clays and drilling muds. Filter clay, mined out of open pits near the plant, is used in petroleum refining, vegetable oil refining and the production of insecticides. East Texas bentonite, also mined nearby, is the base ingredient for Hi Yield drilling mud.

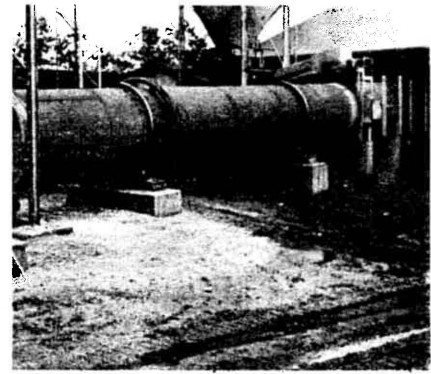
Another raw material, lignite coal, is brought in from North Dakota by rail to Zavalla where it is processed into TannAthine or mulled with the proper chemicals for the production of XP-20.*

Zavalla personnel are justifiably proud of their long record of service and production with Magcobar. It has been nineteen years since Magcobar took over the production of the Xact Clay Products Company and began sacking clays and muds under the company name. During that time Zavalla has expanded and diversified, always growing and contributing more to Magcobar leadership. From the look of things they are good for many, many more successful years. ▶

*XP-20 is a trademark of Magnet Cove Barium Corporation.



One of several open pit mines near the plant, this East Texas bentonite pit has been mined from several different levels.



Huge, diesel heated drier can turn out 15 tons of clay or 7½ tons of lignite coal per hour.



Zavalla plant office sits among the pines and oaks some 100 yards from production building.



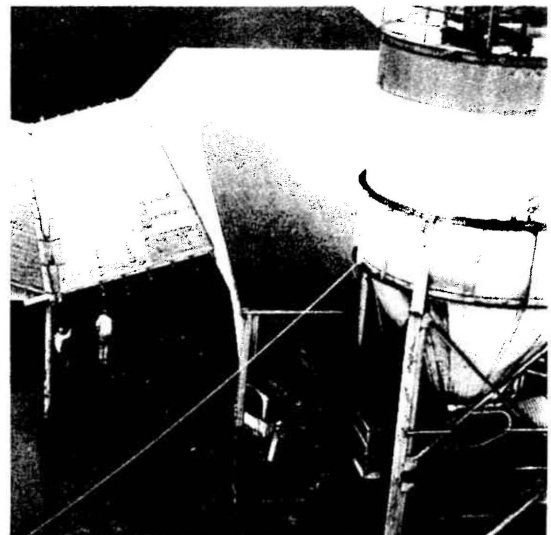
Stockpiles of East Texas bentonite (left) and filter clay (right) are draglined into building (rear), run through grinder, then fed into drier.



Leon Mott is shown here as he operates the automatic sacking machine which fills, seals, and sends sacked products on to be shipped or stored.

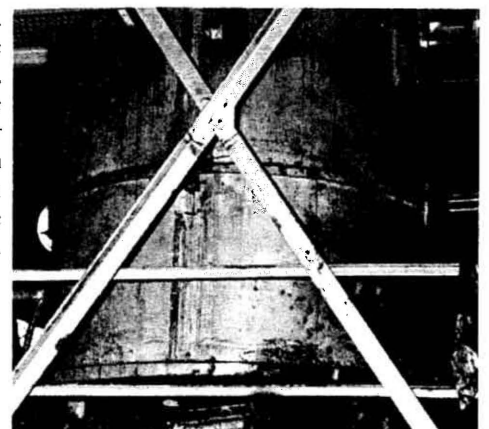
Looking down from atop the plant there is a good view of workers loading hopper with lignite coal brought up from the stockpile in the background.

The coal is carried by moving belt to the drier. Tank at right also feeds into the drier; can be used for storage.



One of two big Raymond Mills grinds raw ore to powder in preparation for the mixing, curing, or finishing which precedes the bagging or bulk shipping. The mill is fed from the hopper at right.

This giant muller, installed with the coming of XP-20, mixes the lignite coal with proper chemicals, then sends the product on to the curing shed.





Plant Manager Harvey Hinshaw looks up from some serious research. An active man, his continuous check of plant operations keeps him moving between office, plant, and mine throughout the day.



Production and administrative personnel pose informally between shift changes. Fifth from right, standing, is Robert Chambers, General Foreman.



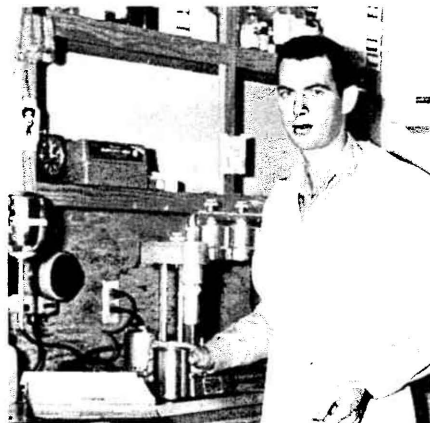
Twenty six years of continuous service are represented by Joe Haskins, Foreman, who was employed by the old Xact Clay Products Company, the forerunner of Mageobar at Zavalla.



Elbert Davis (left) and J. T. McGilberry grab XP-20 bags as they roll off production line. The bags are stacked on wooden pallets and stored to await shipment.



Another five year veteran, Sambo Farley, Plant Accountant, keeps his books straight while serving occasional duty as lab technician, mine over-seer, or filling the gap wherever needed.



Herbert Harris, lab technician, has a neat, well-stocked laboratory from which he keeps a close eye on quality control of all Zavalla production.



Eva Gay Berry, plant secretary for five years, runs her office with the calm efficiency of one who understands complete plant operations.

Front
Row

Charlie King

John Massey

Joe Haskins

Lee Outlow

- Robert Earl Bryan

- Marwood Buford

2nd
Row

Earl Miles

Claude Marshall

Van "Rip" Howard

H. L. "Red" Marshall

~~Douglas~~

Clyde Mott

Eva Gay Berry

Sambo Farley

3rd
Row

Murray McBroom

Kaley Roberts

Eugene Bryan

J T McGilberry

Earl Bryan

Leon Mott

Warren Hopkin

Elbert Davis

Robert Chamber

Hutch Hopson

Herbert Harris









