shellegram

SHELL OIL COMPANY
HOUSTON REFINERY

SHELL CHEMICAL CORP.
HOUSTON PLANT

Vol. 19 No. 6 | HOUSTON, TEXAS | June 1954

Training Conferences Tell "Story of Shell In 1953"

Our Wax Samples Found Useful By Products Managers

Research Wax Testing Laboratory has received a request from Special Products Managers throughout the United States for an additional supply of the wax samples they received on their recent visit to Houston Refinery.

The Products Managers visited the Refinery in March for a short training course on wax manufacturing, testing and use. During their stay, they were presented with small wax discs of each of the five types of wax manufactured by Shell Oil Company. These thin discs, labeled according to type, resemble caramel or peppermint patties.

After returning to their respective Division Offices, the Products Managers found the samples to be so useful in their contacts that they requested Research Wax Testing Laboratory to supply more of them.

Most Shell wax is sold to the packaging industry, for such use as milk and butter cartons, Dixie cups, wax paper and protective wrappings for such products as bread and cereals. The remainder finds an outlet in such products as cold creams, lipsticks, pencil lead, paints, and automobile tires to protect them against sun cracking.

Research Lab's Wax Samples

Story of How We Make High-Quality Gasolines On Pages 4-5

Training Supervisor Bob Hill points out Houston Refinery's contribution to Shell's successful 1953 record. Bill Owen, Engineering, left, and Ernie Harris, Thermal Cracking, are seated nearest to Mr. Hill. Frank Olexa, Engineering, left, and Frank Tilton, Distilling, are in the foreground.

Review of Year, TCP Film Slated For All Employees

How Shell Oil Company in 1953 was able to produce more crude, manufacture more products and sell more products than ever before is being explained to Houston Refinery personnel during training conferences conducted by R. G. (Bob) Hill, Training Supervisor.

A review of Shell's most successful year, together with a film explaining TCP, was conducted for Supervisory personnel during June.

A minimum of two conferences a day are scheduled until all employees have had an opportunity to attend the conference. A 30-minute discussion on the over-all operation of the Company and the part played by Houston Refinery is followed by a 15-minute movie explaining TCP.

In conducting the discussion, Mr. Hill uses colorful charts, graphs and slides to illustrate the three main reasons for Shell's successful year. Those reasons are: (1) Higher demand for products; (2) TCP Sales Campaign, and (3) Full-Scale Operations.

Houston Refinery's role in the 1953 success story is covered during the conferences by a look at Administration, Operations and Research. Under Administration, it is being pointed out that there was a very small turn-over of personnel during last year and a new safety record was begun.

Emphasized under Operations is 1953's new high in through-put of crude; the new high of Cat Cracking input, and the new high in Alkylate produced. It is also being observed that the Platformer went into operation during 1953 and Effluent facilities were improved to the tune of a quarter of a million dollars.

Research's many discoveries and improvements during 1953 are also brought out.

After 25 Years of Service:

Jack Taylor Off Sick for First Time

An employee who misses a day or two of work because of a minor illness ordinarily does not rate headlines.

However, when Clark Jackson Taylor, better known as Jack, was off sick for two days recently, it was a news item of major interest.

For it was the first time in 25 years of Shell service that Taylor had ever missed a day of scheduled work!

It was a mean case of the virus that finally broke Jack's remarkable record. Like the other colds and cases of the flu he had encountered through the years, he thought he could fight this one out without giving in.

But after ten days of persistent chills and fever, Jack was finally forced to call on a doctor, who immediately ordered him to bed. The two days he was off, added to the long-change between shifts, was enough to get Mr. Taylor back on his feet.

Of Jack, B. B. Dorrell, Dispatching Department Manager, had this to say:

"We are very proud of Jack and his excellent record. It is a wonderful trait for a man to show such fine loyalty to his job."

Back on the Job

Mr. Taylor was first employed by Shell as a Labor Foreman in 1929 at Houston Refinery, having come here from Elberton, Georgia, where he attended high school.

Prior to being made Shift Foreman in the Dispatching Department, he was a Gauger and then a Pumper at the Main Oil Pump House.

He is married, and has two children. The Taylors reside at 703 Sheldon Road, Route 5, Houston.

When interviewed by The Shellegram, Taylor said:

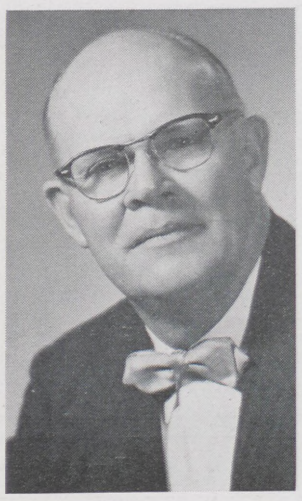
"Whenever I start something, I like to see it through," adding:

"Please don't flower it up too much."

Jack's friends—and they are many—will tell you that the man means just what he said.

Picnic August 28

Tickets for the annual SERA Picnic, August 28, may be reserved as in the past, by filling out the reservation forms that are being mailed out this month by the picnic committee.



Archer

Isaacs

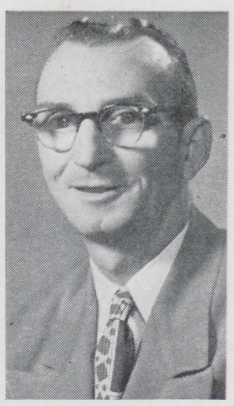
Dorrell

Wilson

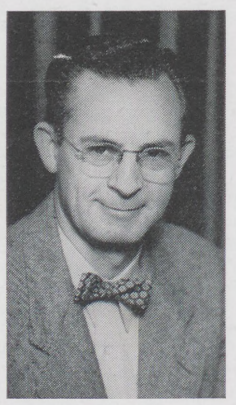
Fountain

Stewart

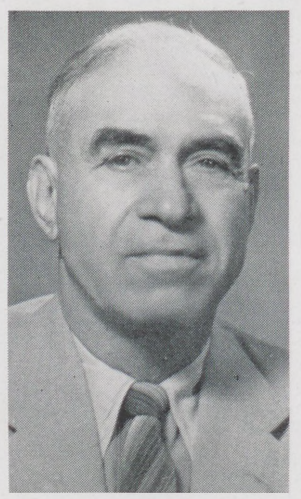
Funk



Rollins

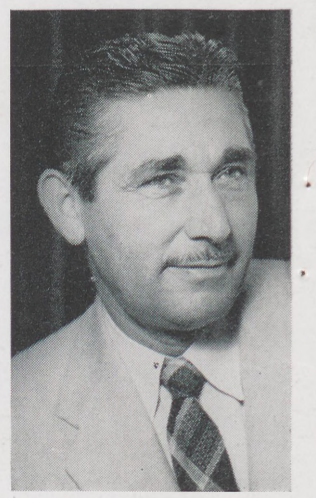


Hughes



Vance

Purcell



Saxon

JUNE SERVICE BIRTHDAYS

REFINERY

FIFTEEN YEARS

G. P. Hinds, Research
J. F. Lee, Control Laboratory
V. Riley, Engineering
Q. C. Stanberry, Research
L. E. Vaughan, Engineering
A. E. Walters, Engineering

TEN YEARS

E. C. Davis, Engineering
T. E. Finch, Thermal Cracking
E. R. Heidrich, Engineering
E. P. Leamons, P & IR
W. G. Ogden, Engineering
J. E. Strickland, Stores
A. L. Washburn, Gas

CHEMICAL

FIFTEEN YEARS

C. L. Jones, Engineering

TEN YEARS

W. M. Bluhm, Operations
C. R. Carter, Operations
M. L. Tanner, Operations
H. L. Thomas, Engineering

R. G. FUNK

June brings 20 years of service to R. G. Funk, Shift Supervisor of Lube B. He was first employed as a Car Repairman at Houston Refinery in 1934.

Mr. Funk lists square dancing as his favorite spare time delight. He is married, and lives with his wife and three children at 7044 Mossrose St., in Houston.

M. ISAACS

Marx Isaacs, Technologist, began his Shell service as an Analytical Chemist in 1929 at Norco Refinery. Before coming to Houston Refinery in 1943, Marx was a Technical Assistant in Topping and Gas, a Technologist and an Experimental Chemist at Norco.

A bachelor, Marx leads a very active life. He bowls, collects stamps and phonograph records, attends concerts and plays, swims and is president of Tulane's Alumni Club of Houston. He graduated from Tulane University with a B. S. in Chemical Engineering. Marx makes his home at 1513 Barbee Ave., in Houston.

T. L. WILSON

T. L. Wilson has reached the twenty-five year mark of Shell service, having spent all that time at Houston Refinery. "Foots" was first employed as a Pipefitter's Helper. He was subsequently a Sample Boy, Tester and Crude Evaluation Foreman before being promoted to his present position of Technical Assistant in the Dispatching Department.

A native of Pasadena, Texas, "Foots" collects on a small scale early Texas and early American furniture. He is a past Commissioner of the Southeast District, Boy Scouts of America.

The Wilsons make their home at 8171 River Drive.

B. B. DORRELL

From Second-Class Rigger to Manager of the Dispatching Department is the story of B. B (Buster) Dorrell, who marks his twenty-fifth year of Shell service in Houston Refinery.

Prior to being made Department Manager of Dispatching, Mr. Dorrell's other positions at Houston Refinery include Cargo Inspector, Head Foreman of Oil Handling and Assistant Department Manager.

"Buster" attended high school in Huntsville before attending Sam Houston State and the University of Texas. He holds a B. S. and an LL. B. degree.

Mr. Dorrell, his wife and two children live in Staff House No. 2.

J. FOUNTAIN

It's 25 years of Shell service in June for J. Fountain, Operator No. 2 in Treating.

First employed at Houston Refinery as a Rigger No. 2, Mr. Fountain has also had experience through the years as a Pipe Fitter's Helper, a Cable Hanger and a Dock Helper. He lives with his wife and one child at 705 Hedrick St., in Houston.

G. L. STEWART

"Lonnie" Stewart, Supervisor in Treating, receives his gold watch in June—the symbol of 25 years of Shell service. He was first employed at Houston Refinery as a Pipefitter's Helper in 1929.

Mr. Stewart attended Denison High School in Denison, Texas, and Texas Christian University in Fort Worth before coming to work for Shell. His favorite spare-time diversions are fishing and watching sporting events.

With his wife, Dolly, and five children, "Lonnie" lives at 325 3rd St., in Deer Park.

H. M. ARCHER

In 1929, Henry M. Archer was first employed as an Electrician's Helper at Houston Refinery. In June, "Bro" celebrates his twenty-fifth year of service as a Foreman in the Electrical Shop.

The Reverend Mr. Archer attends to his duties as Pastor of the First Baptist Church at East Bernard when not on the job at the Refinery.

"Bro" and his wife have two children. They reside at 209 South 74½, Houston 11, Texas.

W. G. VANCE

W. G. Vance, Assistant Foreman in Engineering, marks 25 years of Shell service in June.

J. O. ROLLINS

June brings 20 years of Shell service to J. O. Rollins, Assistant Foreman in Engineering.

CHEMICAL

GLENN PURCELL

June brings twenty-five years of Shell service to Glenn Purcell. Plant Manager today, he began his career as a Jr. Chemist for Shell Oil's Woodriver Refinery in 1929. Coming up the ranks in 1941 Mr. Purcell came to the Houston Refinery as Head of the Gas Department. Mr. Purcell traveled back to Woodriver in 1942, then in 1943 to Head Office as Section Head of Research and Development and in 1945 Senior Technologist. Released to Shell Chemical in August 1949, Mr. Purcell returned to Houston as Assistant Plant Superintendent in October of 1951. He went to the West Coast as Plant Manager of Dominguez in May of 1952 and in January of this year Mr. Purcell returned to the Shell Chemical Plant, this time as Plant Manager. Mr. Purcell is a Saturday golfer and enjoys the game very much. He lives with his wife, Mary, and their three children at 4118 Grennoch in Housont.

H. E. HUGHES

Howard Hughes, Chief Engineer, marks the completion of twenty years of Shell service this June, Mr. Hughes' home is in Richmond, California. He attended the University of California at Berkley where he received a B. S. in Mechanical Engineering. In 1934, Martinez Refinery first employed Mr. Hughes as a Tester. He went into the drafting section in 1939 and worked at Torrance and Dominguez before coming to Houston in November of 1951 as Assistant Chief Engineer. He took over his present job in October of 1953. Mr. Hughes and his wife, Jeanne have four children. The Hughes work with the Cub Scouts. In his spare time Mr. Hughes enjoys a bit of swimming, playing golf and model building. Both Jeanne and Mr. Hughes are excellent bowlers.

E. G. SAXON

"Safety" that's Elmer's tune. E. G. Saxon the Chief Fire and Safety Inspector at the Chemical Plant celebrates his twenty-fifth service birthday with Shell. Elmer spends every day making sure that his fellow-workers are taking care of themselves. Elmer was first employed as a painter in 1929. Mr. Saxon described the Refinery like this: "On my arrival at the Shell Refinery located at Deer Park, Texas, in June of 1929, seeking employment, the area now occupied by the Chemical Plant and Refinery was nothing more than an open prairie and a few scattered scrub oaks. On the site now occupied by the Refinery Main Office I found a small wooden structure being used as an employment office. Behind and to the west of this office it was possible to see the construction of tanks, buildings, and foundations which were later to support columns and vessels used in the process. To the east across what was then a county road running from the present La-Porte road to the Houston Ship Channel a great number of wooden structures were in evidence. These structures housed cafes and general merchandise stores with some being used as a rooming house. The general appearance in this area was that of a rich oil or gold strike." Elmer worked alternately as a Treater Helper and Treater until in March of 1943 he was made a Safety Inspector. When the Chemical Corporation was formed in February of 1946, Elmer assumed his present position. A native of Crockett, Texas, he and his wife, Beatrice live in Houston. Working in the yard, playing golf and duck hunting take up Elmer's leisure hours.

FRED WICHLEP, Editor

JO KELLEY, Associate Editor

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J. L. Miller, Superintendent of Operations, center, with a number of Technical men, welcome I.S. Ch.E. members to the Industrial School for Teachers of Chemical Engineering, held at the Refinery.

School For Chemical Engineering Teachers Held at Houston Refinery

A group of Houston Refinery Technical men became "professors" for a day recently when the Refinery played host to the annual Industrial School for Teachers of Chemical Engineering.

The American Institute of Chemical Engineers, which sponsors the Industrial School, each year selects a different refinery to act as host, and Houston Refinery was signally honored when it was chosen this year.

Twenty Chemical Engineering teachers, including two Shellites who teach night school at University of Houston, comprised the roster of "students" who attended classes at the Refinery May 14.

Besides local University of Houston and Rice Institute, other schools represented include Tulane, Texas A&M, University of Texas and University of Oklahoma.

G. F. deRidder, Chief Technologist, was in charge of arranging the agenda for the school, which had as its subject: Design of a Modern Crude Distilling Unit for Processing Sour Crude.

The Refinerymen who served as professors, their departments and the titles of their talks follow:

C. A. Robertus, Control Lab, Laboratory Crude Evaluation; Z. F. Baczewski, Economics and Scheduling, Economic Evaluation; M. L. Renquist, Tech, Process Design and the Handling and Subsequent Processing of Unit Products; D. E. Zaremba, Tech, Selection of Pumps and Drives and the Design of Relief Valves and Drop-Out Facilities; W. T. McClain, Engineering, Selection of Materials of Construction; J. W. Mizenko, Engineering, Modern Instrumentation Practices, and W. E. Brandes, Tech, Design of Crude Desalting Units and Product Treaters.

The two Shellmen who attended the classes are T. B. Metcalfe and R. L. Motard, both of Research Lab.

MR. AND MRS. MEIER

MAY-JUNE WEDDINGS

Louise White, Steno, became the bride of Gilbert Meier, Houston, on May 28. The ceremony was performed in the Pasadena home of the bride's parents, Mr. and Mrs. L. A. White.

The newly-weds are living at 2301 Ingersol, Houston.

Douglass-Peyton

Joan Douglass of Tulsa, Okla., became the bride of Boyd C. Peyton, Cracking, on May 11. The ceremony was performed at the home of Mrs. R. T. Pierce, in Houston.

On their honeymoon, the couple traveled to New Braunfels, San Marcos, San Antonio and Austin. They will reside at 207 E. 23rd St., in Houston.

Meeks-Hughes

Marilyn Aleene Meeks, daughter of Mr. and Mrs. E. R. Meeks, Thermal Cracking, was married to Charles H. Hughes on June 4 in Community Church in La Porte, the home town of both bride and groom.

Charles is a student at Sam Houston State College, and Marilyn is a member of the 1954 graduating class at La Porte High School.

Personnel Changes

	FROM	TO
REFINERY		
Automotive		
E. W. Dixon	Toolroom Man	Truck Driver No. 2
J. D. Hughes	Rigger Helpr. No. 1	Truck Driver No. 2
Control Lab		
G. L. Colvin	Engineer, Engineering	Lab Supervisor
Engineering		
L. C. Henson	Rigger Helpr. No. 2	Blacksmith Helpr. No. 2
D. L. Wade	Loader, Dispatching	Pipefitter Helpr. No. 2
B. E. Whitehall	Operator Helpr. No. 2, Gas	Pipefitter Helpr. No. 2
Research		
J. A. Covington	Technician	Foreman
Treating		
W. E. Bryan	Pressureman, Cracking	Gauger No. 3
G. T. Kaptchinski	Operator Helpr. No. 1, Cracking	General Helpr. No. 1
L. H. Trammell	Pipefitter Helpr. No. 2	General Helper No.
CHEMICAL		
A Department		
R. M. Rickerson	Technologist, Tech.	Technical Assistant
D. W. Schroeder	Technologist, Tech.	Technical Assistant
E Department		
K. W. Davis	Tech. Assistant, A	Technical Assistant
Engineering		
B. L. Haneline	General Helper No. 1	Truck Driver No. 2
G Department		
J. T. Arterbury	Operator No. 1/SF	Shift Foreman
J. A. Kangers	Operator Helper, P & R	Operator Helper
J. C. McRoberts	Clerk, E	Clerk
Laboratory		
G. D. Edwards	Military Leave	Chemist
R. H. Slaughter	Military Leave	Chemist
P & IR		
J. M. Tinkle	File Clerk, Treasury	Junior Clerk
P & R		
O. S. Mitchell	General Helper No. 2, Eng.	General Operator Hlpr. No. 2
L. Thomas	General Helper No. 2, Eng.	General Operator Hlpr. No. 2
C. E. Woods	Operator Helper, G	Operator Helper
Shipping		
S. J. Purifoy	Typist, Treasury	Typist
Technological		
J. W. Cunningham	Tech Assistant, A	Technologist

Olin Roberts' Daughter Wins Scholarship

Beverly Dances Her Way To Free Trip to California

"California, Here I Come" is the song being sung these days by talented Beverly Delores Roberts, 16-year-old daughter of Olin Roberts, Treating.

And with good reason!

Beverly recently won a scholarship which entitles her to an expense-paid trip to California for a month of free instructions at the Belcher-DeRae School of Dancing in Los Angeles.

The scholarship is awarded annually to the outstanding student of the Hallie Pritchard School of Dancing, which is in Houston. In competition with the students of the school, the pretty Shellite was selected as this year's winner by six professional dance judges.

Accompanied by her mother and Miss Pritchard, Beverly will be California-bound on July 18.

Already a qualified dance instructor despite her tender years, the additional coaching Beverly will receive in California will enable her to join the Pritchard faculty as a part-time instructor upon her return home.

Not one to concentrate on just one activity at a time, Beverly faces a busy senior year at Milby High School. She is the Major-elect of the 1954-55 Milby Co-Eds, and is a member of the Corkettes Swim Team which performs at the Shamrock. Moreover, she is active in student council work. She has just returned from spending a week in Austin where she studied the state government as a result of her election as one of Milby's two representatives to Girls State, an American Legion Auxiliary-sponsored activity.

Too, Beverly is frequently called upon to entertain various civic and social groups. Her dancing repertoire includes all types of dances, her specialty being acrobatics. It was a hula acrobatic dance which helped sway the judges in her favor during the scholarship competition.

BEVERLY ROBERTS

Although she's been dancing since she was two years old, Beverly isn't sure just yet if she'll pursue dancing as her career.

For a girl of her many interests, the indecision is understandable.

Reporters Uncover Flight of Flowers, Torres' New Post, Other Choice Items

Bob Olson, Research, surprised his family in Omaha, Nebraska, with a large box of choice gardenias from his garden. He had the flowers flown special delivery because Nebraska is too cold to grow many of the flowers we have in Texas.

Vic Torres, Engineering Department, now heads the newly-formed engineering drafting section at Research.

Janice

Janice McClellan, daughter of T. T. McClellan, Treating, was one of the top graduates of the 1954 Deer Park High senior class. Janice was also drum major last season.

Charles Edmond Vetter, 14, son of C. E. Vetter, Automotive, is the winner of the American Legion Citizenship award at Johnson Junior High School.

E. G. Jones, Automotive, is the proud owner of a brand-new Master's degree in Business Administration.

Another new honor for James E. McShane, son of Howard McShane, Automotive. He was selected as the "Outstanding Boy Student" at Deer Park High School.

HOW WE MAKE HIGH-QUALITY

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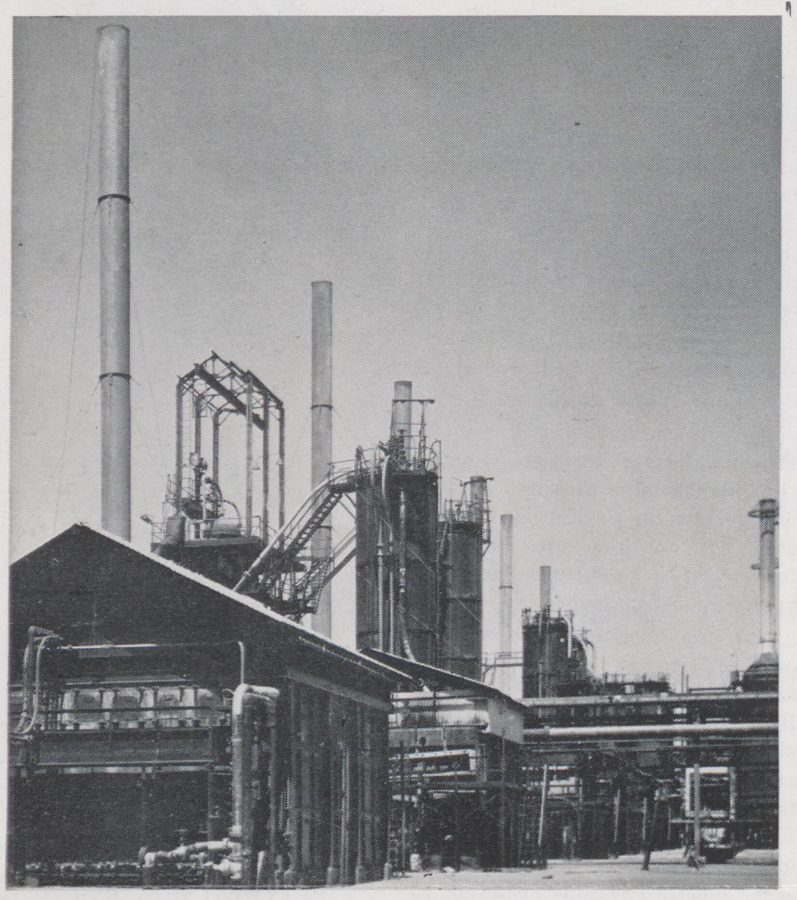
Adding of TCP Only One Phase of Complicate



Looking East on the row of Thermal Cracking Units.

Making of High-Quality Gasolines Old Story to Many; New to Some . . .

By MARX ISAACS

Most Shellegram readers who have been around the refinery for any length of time realize that the excellence of Shell motor gasolines is the result of a large number of complicated processing steps. It's a pretty safe bet, however, that a major portion of the buying public is not aware of this fact though proving their recognition of the high quality of Shell gasoline with ever-increasing purchases.

Refining is thought by many people to consist of putting in crude oil at one end of a processing unit and receiving a marketable product at the other end. Even for those "in the know" a short "refresher" course outlining the principal steps in high-quality gasoline manufacture at Houston Refinery might be in order.

Separation of the gasoline from the other portions of the crude oil comes first. This is called "topping" and is performed on topping units No. 1, 2 and 3 in the Distilling Department and the topping section of Dubbs No. 9 in the Thermal Cracking Department. It amounts to boiling the gasoline out of the crude oil, followed by condensing and cooling the product, which is known as straight run gasoline. In topping, as well as in all other refinery processes, the operating conditions (such as temperatures, pressures and charging rates) must be very carefully controlled to give the desired results. That's where refining "know how" comes in.

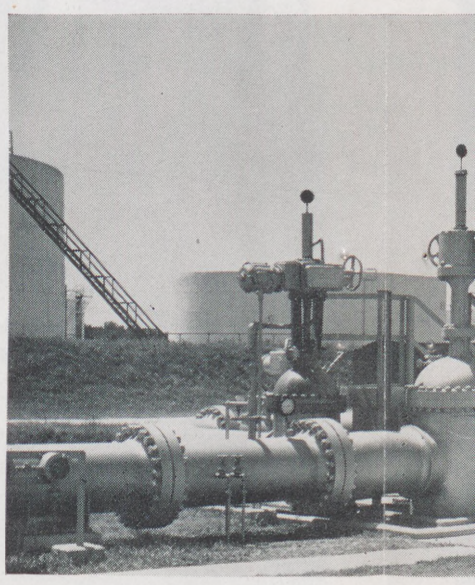
In the early days of the oil industry, topping was the only means of producing gasoline from crude oil. If this were still the case, Houston Refinery's gasoline production would be much inferior in anti-knock to today's Shell high octane, high power gasolines.

Thermal Cracking Devised 40 Years Ago

About 40 years ago, the thermal cracking process was devised to increase gasoline production and quality. It consists of applying an elevated temperature and pressure to the heavy, black oil (straight run residue or pitch) which remains from the crude oil after all the other fractions (gas, gasoline, naphtha, kerosene and gas oils) have been removed. At Houston Refinery, the thermal crackers for residual oils are Dubbs No. 3, 4, 5, 6 and 9 (cracking section).

At Dubbs No. 8, a special type of thermal cracking takes place. It is called reforming which differs from processing on the other Dubbs units in its temperatures and pressure conditions, but even more conspicuously in its charging stock, which is straight run naphtha, a crude oil fraction between gasoline and kerosene in "heaviness" or boiling range. Reforming does not increase our volume of gasoline production, but, it greatly improves anti-knock quality, or octane number.

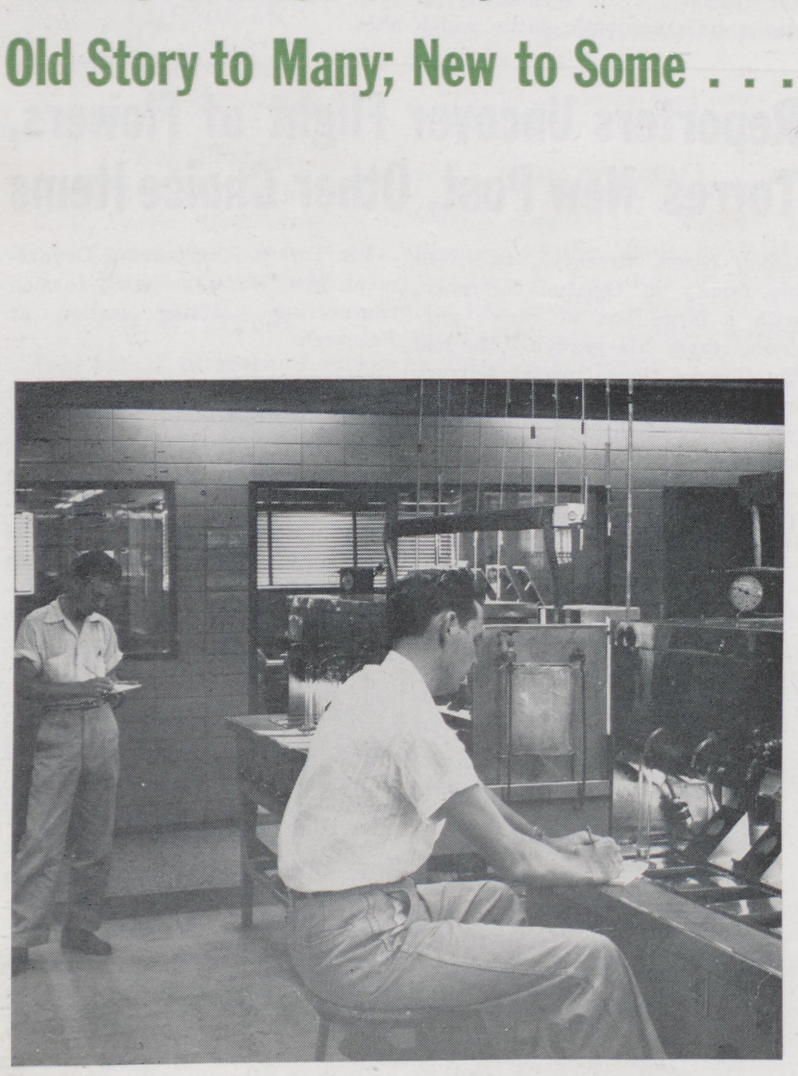
In more recent years, catalysts (or reaction promoters) have been widely used in the cracking and reforming processes. Houston Refinery's catalytic cracking unit, or "cat cracker," began operating in October, 1946, affording further improvement in our gasolines, but not greatly affecting the amount produced per barrel of crude oil intake to the refinery. Cat cracking, however, made possible a sizeable increase in the amount of crude oil we could handle per day, with more barrels of high-quality Shell gasolines as the net result.



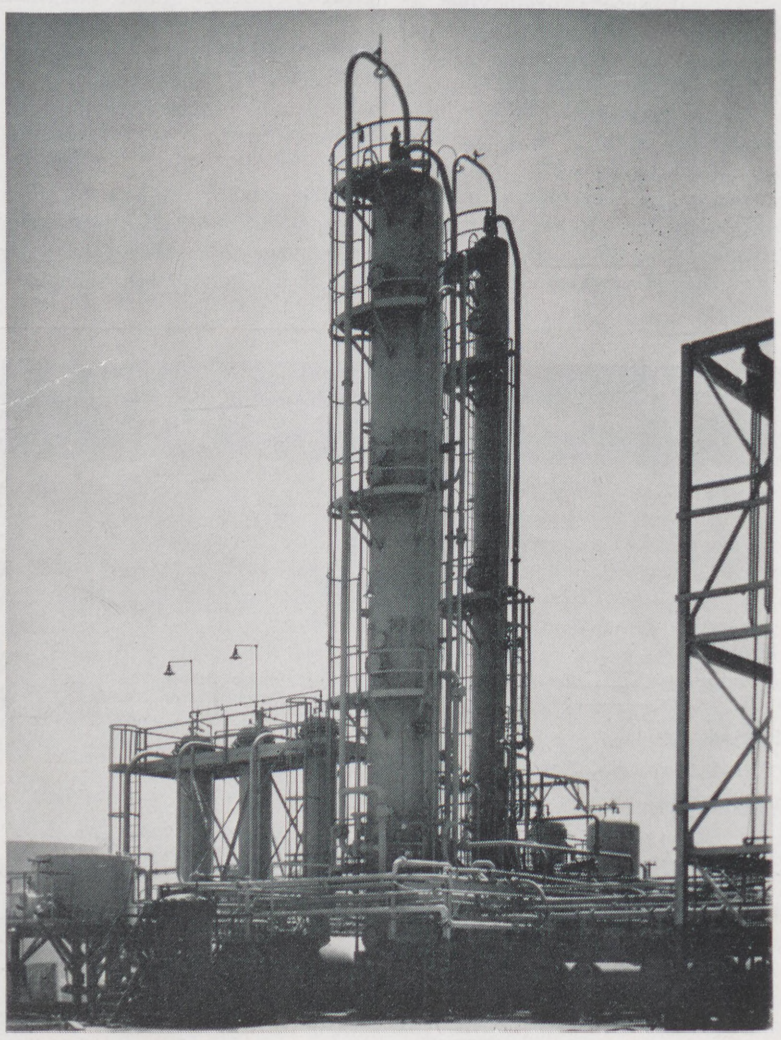
Crude oil tanks outlined against the s
into the Refinery as Terminal Gauger

Cat cracking supplies the bulk of aromatic compounds which boost the octane numbers of Shell motor gasolines. If our operation in the future becomes such that a shortage of aromatics occurs, additional supplies can be made available from time to time by our newest installation: the platforming unit, which began operating in February, 1953, to produce toluene and benzene.

Naphtha platforming to yield high octane gasoline does not change refinery crude intake or gasoline production volumes; it



Distillation Tests are carried on in the Inspection Division of the Control Lab by Carl E. Harrison, standing, W. M. Goss.



Solutizer Treater improves Shell gasolines odors.

TY GASOLINES

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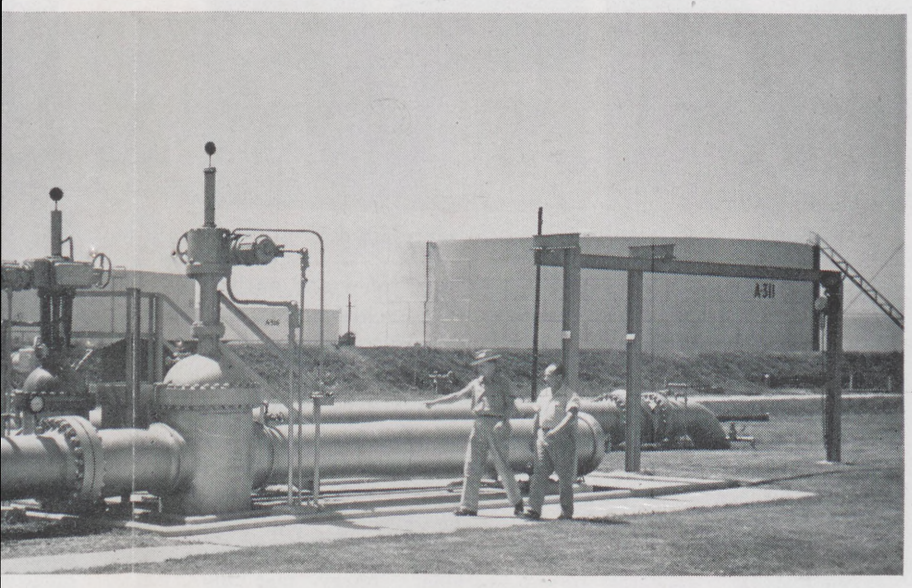
plicated Process



lined against the sky form the background for the Rancho Pipe Line entry
s Terminal Gaugers E. W. Eska, left, and A. D. Bagley make their rounds.

bulk
boost
motor
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newest
unit,
Febru-
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yield
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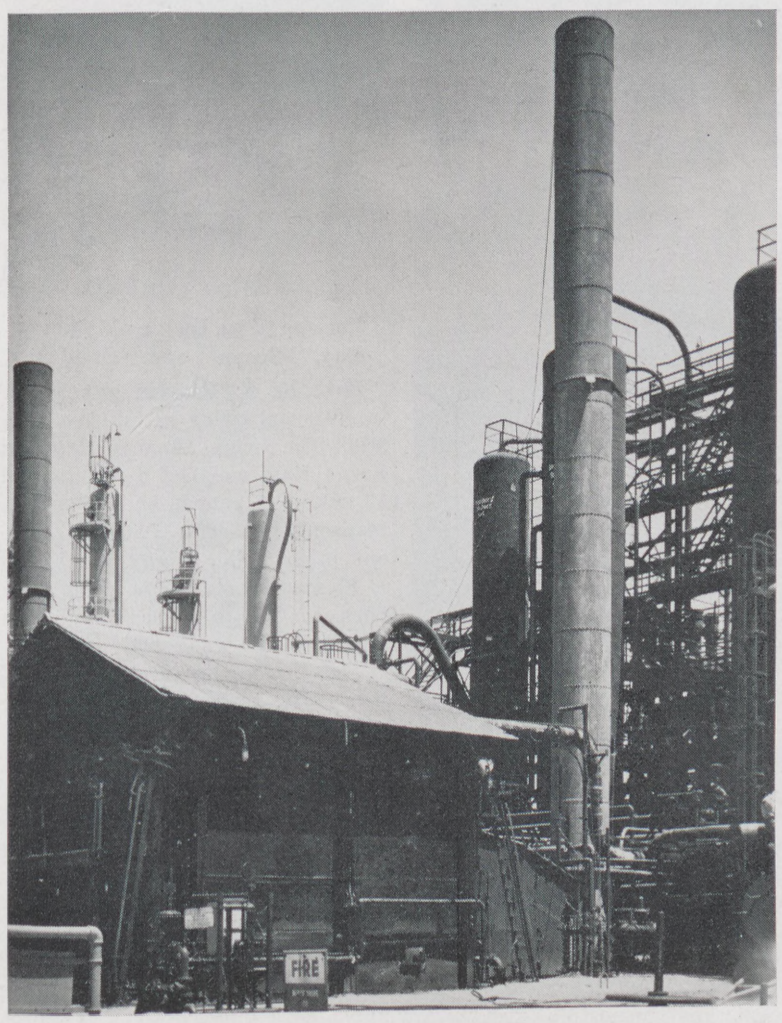
es; it

is strictly a means of quality improvement.

Incidentally, both cat cracking and platforming require specially-distilled charging stocks, adding that many more steps to Houston Refinery processing for high quality gasoline production.

So much for making what might be called the "raw" stocks that go into Shell Regular and Premium motor gasolines. It is well to mention at this point that the Shell gasoline coming from a filling-station pump is a mixture of as many as fifteen or more different gasoline components (straight run, thermally and catalytically cracked, reformed and platformed materials) produced from various units at the refinery. The mixture also contains dye and certain quality-improvers or additives which will be discussed later in this article.

Many of the gasoline streams from the processing units are "sour" or skunk-like in odor, due to the presence of sulfur compounds which must be removed or modified to produce a finished product of acceptable odor. These sulfur compounds, consisting largely of mercaptans and hydrogen sulfide, are extracted in the Treating Department, mainly by employing the Shell-developed solutizer process.



Topping Unit No. 1 is in the foreground. The gray columns in the background are Straight-Run Gasoline Stabilizers.

Treating Department Adds Gum Inhibitor

The Treating Department also handles the addition of one of the quality-improvers mentioned above, namely gum inhibitor, which greatly reduces oxidation and resultant gummy compounds which would cause valve-sticking if present in cur gasolines when used.

It is the job of the Dispatching Department to mix the various gasolines in the proper proportions to produce blends meeting Shell specifications. This department also takes care of adding a couple of other well-known quality-improvers, TEL (tetra-ethyl lead) and TCP (tricresyl phosphate).

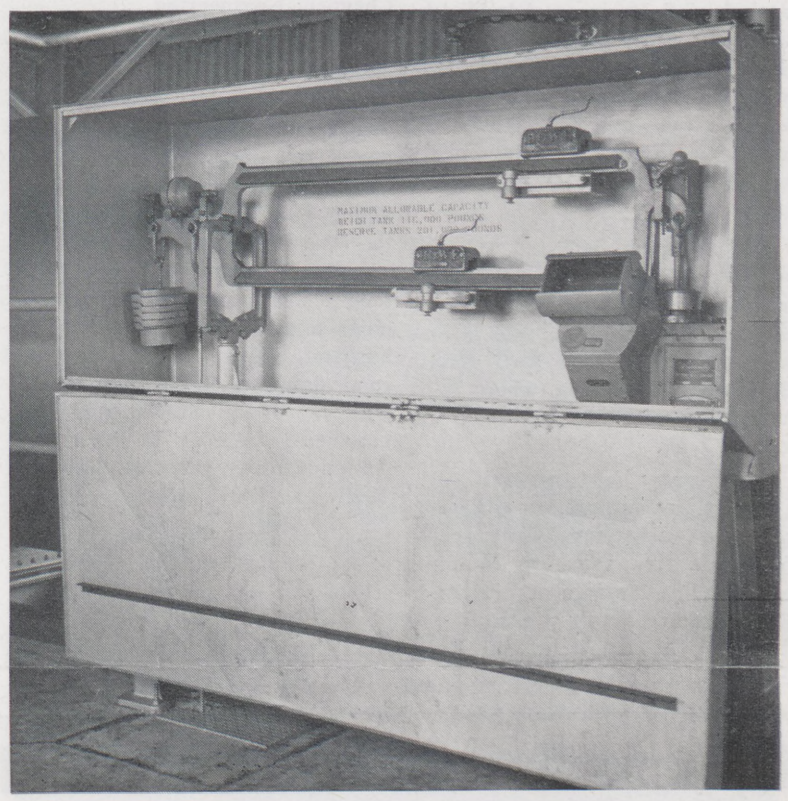
The Control Laboratory works with Dispatching in determining how much TEL to put into the finished gasoline blend to reach a specified octane number. This important property (octane number) is a measure of how efficiently and smoothly the gasoline will perform in an engine. Octane number is just one of many tests made by the Control Laboratory to insure in every respect the high quality of Shell motor gasolines.

Gasoline With TCP First Sold by Shell

Shell was the first oil company to sell motor gasolines containing TCP; actual application of this compound resulted from extensive Shell research. TCP greatly reduces spark-plug fouling, allowing the engine to develop more power and mileage per gallon, besides increasing spark-plug life considerably.

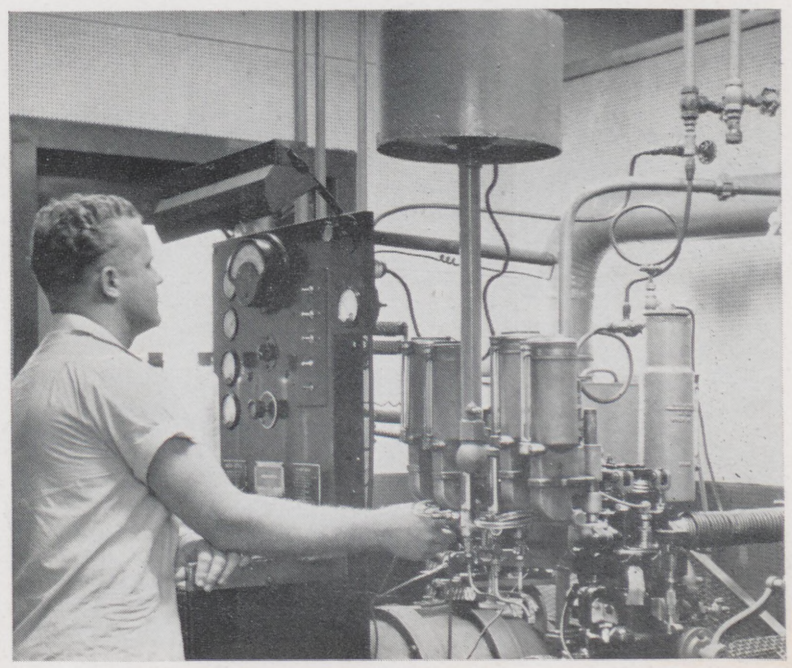
In summary, it can be stated that the high excellence of gasolines bearing the Shell trade-mark is guaranteed through the use of many processing units, materials and applications of scientific discoverings resulting largely from Shell research.

Night view of Houston Refinery's Catalytic Cracker and auxiliary units.



Scales for adding Tetraethyl Lead to Gasolines

. . . To All of Us at Houston Refinery, It's A Mighty Important Story!



O. E. Shirley runs an octane number in the Knock-Testing Lab.

CHEMICAL

Four Employees Graduate From U of H Night School

Graduation time is an all important time to high school and college graduates. It means a job well done to the students who have worked for four years or more to meet the requirements to wear a cap and gown. There is a special pride felt by those graduates who have, although they are working full time, made the effort to attend night classes to receive their degrees.

Bill Stovall

Bill Stovall graduated from the University of Houston with a Bachelor of Business Administration. He is the husband of Elaine Stovall of Stores Department. Bill majored in Accounting and plans to enter Law school this fall. He has done all of his college work at night school.

George Ray

Melba Ray's husband, George received his Bachelor of Science in Industrial Psychology. George is a former employee, who is now working at his own Real Estate Business in Pasadena, where he is associated with Meadowcreek Village.

Henry Bettencourt

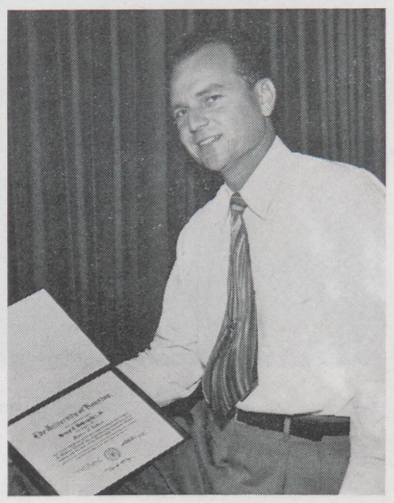
Henry Bettencourt, an Engineer, has been attending night school for some five years to complete work on his Masters of Letters in Engineering. Hank, a graduate of Texas A&M in Mechanical Engineering received his degree from the University of Houston on June 4th. His primary subjects were in Chemical Engineering.

Betty Smith

Betty Smith received her Bachelor in Business Administration degree this June. Betty had completed two years of college work at L. S. U. before moving to Texas. She began her night schooling at the University of Houston three years ago. Betty managed to attend school from three to five evenings a week, keep house for her husband, Wilmer, and care for their small daughter, Lydia Gay. Betty, who is in the Stenographic Department, majored in Secreterial Administration. She has been with Shell since May, 1953.

Bob Hughes

Bob Hughes had been attending school at night for quite a number of years now. Bob, who works in the Engineering Department, received his Bachelor of Science in Economics. By taking this major he had an opportunity to take classes in economics, industrial engineering, finance and general business courses.



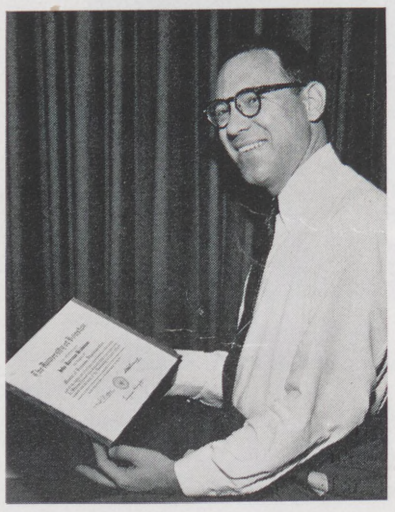
BETTENCOURT

SMITH

HUGHES

J. B. Bradshaw

J. B. (Barry) Bradshaw received his Masters in Business Administration after almost fifteen years of night school study. In 1953, Barry started his night school career in New York City where he went to work for Shell Oil. One of his first jobs was that of office boy for the firm of Shell Union Oil Co., the holding company which then had about seventeen employees. Barry received his Bachelors Degree in Business Administration from City College of New York and began working on his Masters. He took five years time out for the war. Barry was in the Transportation Corps and made the long trip from Africa, to Sicily, to Italy, to France and on into Germany.

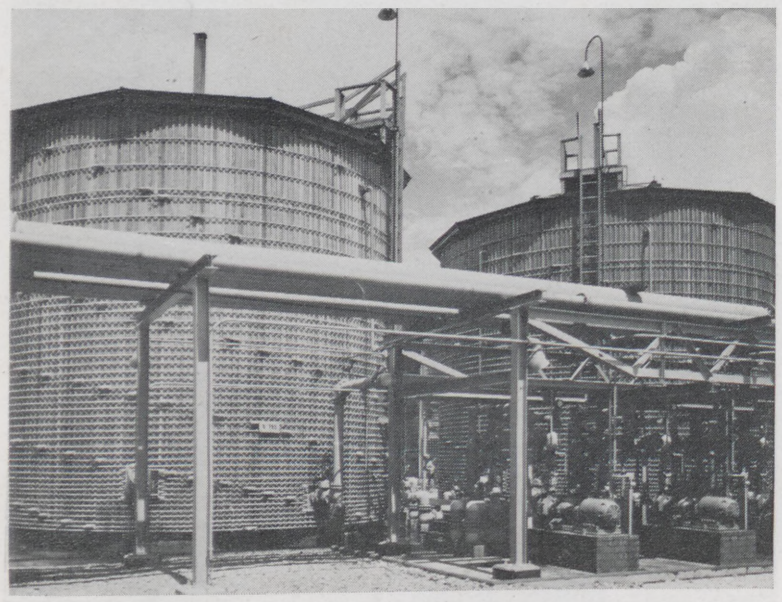


BRADSHAW

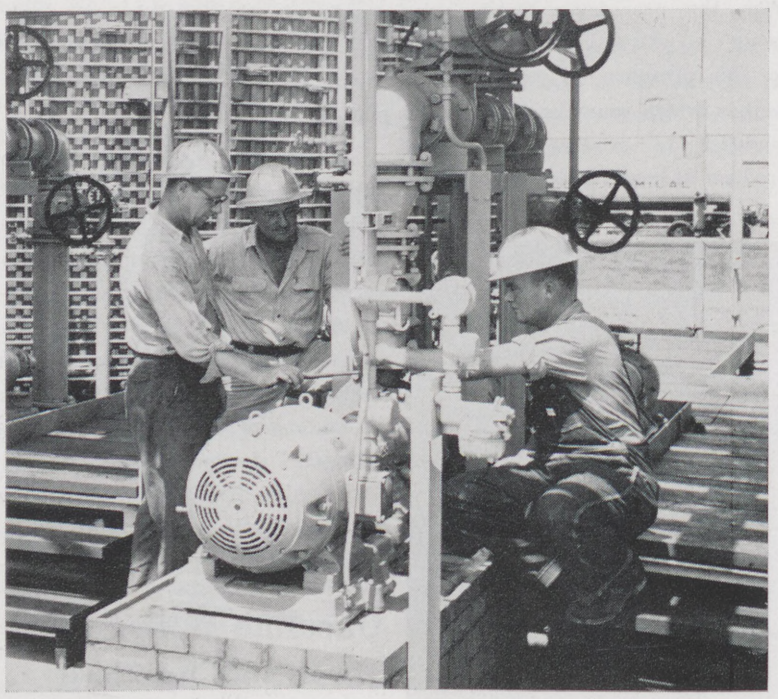
Because of his background in Information and Education work, Barry was released in 1945 from the Army to take over a job as Director of a Displaced Persons' Camp in Austria. The camp was sponsored by UNRRA and was staffed by people from twelve different nations. Barry met his wife, Felice, on arrival at the camp. They were married over seas and returned to the States in 1947. Barry again attended CCNY and was well on the way to a Masters degree when he was transferred to Houston in 1952. He enrolled at the University of Houston and had been attending classes two nights a week until he received his diploma on June 4th.

Glycerine Plant GX-2 Expansion Holding Construction Schedules

Over head pipeway carries Utility and Process lines to unit.



Dilute Glycerine Feed Tank Installation now in operation.



Joe Smilek, center, checks with N. G. Parten (left) and D. C. Autrey as they make final adjustments on feed pump piping.

The first phase of the GX-2 expansion has met the anticipated schedule with the completion of the Dilute Glycerine System installation on May 17, 1954. The engineering has been completed for the process unit and field work is well underway. Engineering and material expediting is in the advanced stages for all phases of GX-2 expansion. Credit for the process design goes to the Technological group with close cooperation of Operations G Department.

The project is one requiring careful material selection to resist corrosion and to prevent discoloration of the glycerine product. For this purpose extensive quantities of stainless steel, hastelloy, monel, nickel, Haveg, saran and other alloy and plastic materials were employed. Cured Epon paint is being used exclusively where painting is required. The Engineering Department is handling the engineering and installation. M. H. R. Cogan is Project Engineer, assisted by J. J. Davenport and H. E. Breaux. The Electrical, Instrument and Inspection groups are providing technical assistance in their fields.

Farmer Twins Born On Mother's Day

Farmer twins born on Mother's Day, Susan and Stephen.

Mrs. N. F. Farmer gave birth to fraternal twins on Sunday, May 9th. The twins, Stephen Ray and Susan Kay, weighed 5 pounds and 15 ounces, 7 pounds and 14 ounces, respectively. The Farmers have one other child, Peggy Lynn who is 17 months old. The twins were born in St. Joseph's Hospital in Houston. It was truly an eventful Mother's Day for Betty Farmer. Mr. Farmer is an Operator in G Department.

NOTICE

Recently many employees have been notified to furnish various documents, which are missing from their personnel files. It is important, both to the individual employee and the company, that these documents be on file. Please bring them as requested to Richard N. LaFaver, P & IR Dept., Room 153, Ext. 393.

Many New Folks Have Come To Shell— Make A Point to Meet and Greet New Employees

New faces are everywhere. Let's mention a few of the new ones that are roaming about E Department terrain these days. One belongs to **J. B. McDaniel**, who just recently was discharged from the Army Paratroopers as a S/Sgt. While he was with that organization, he made twenty-five jumps. Another new comer is **C. D. Thomason**, who hails from Brownsville, Texas. Also there are **D. E. Kieke** and **J. R. Wood**, who are making their acquaintance with Operations at the Sulfur Plant.

Congratulations to the new helpers, who recently came into the Carpenter Shop. They are **E. L. Neiderhofer, J. D. Nance, J. R. Spradling** and **Calvin Hacker.**

Noel Smith's wife **Mary** presented him with a fine son on May 31. They now have three daughters and two sons. When trying to decide on a name, Mary's first suggestion was "caboose".

The Treasury Department has acquired several new employees to their staff. Three of these employees went into the mail and file room. They are: **Carolyn Kite**, a graduate of Stephen F. Austin High School in Houston, **Norma Sue Weston**, a graduate of Pasadena High and **Barbara Wilson**, a graduate of Deer Park High School. Byrne Jackson, a graduate of Pasadena went into Duplicating **Peggy Courey** was transferred from the mail room to duplications. **Bill Glasscock** back from military leave has taken over as cashier. Bill and his wife **Clylene** lived in Ocean Side, Calif., while Bill was stationed at Camp Pendleton in the Marine Corps. **David Davidson**, the former cashier, has gone into the Air Force and is stationed in Tampa, Florida. The payroll department has received a new addition to their staff also. His name is **Chester Phillips.** Chester is a graduate of the University of Arkansas where he received a degree in Business Administration.

New Orleans was the setting for a perfect Memorial Day weekend for Beverly Daniel, Stella Narro, Doris Wilmoth and Jo Kelley of the P & IR Department. Activities included dinner at Arnauds, a tour of the French Quarter, night clubbing at the talked-about Pat O'Briens, exploring the Tulane and Loyola campuses, and swimming at Lake Ponchatrain. Monday morning the girls visited the site of the new Chemical Plant at Norco. There they saw quite a few ex-Houstonians. R. K. Walters, R. E. Jackson, C. H. Plomteaux, and K. O. McDonald were all working in the new modern construction office. The building is completely air conditioned and has no windows, the latest thing in design so the engineers say. There are two very nice girls, Ruby and Alice who do all the office work for the construction forces.

Beverly, Stella, Doris and Jo

Fishing Derby

Frank Bates, Engineering Field, is a Committeeman working on the Annual Boy Scout Fishing Derby. The Derby will be a three day affair, June 26, 27 and 28. and will be held at San Luis Pass. The scouts will go out three in a boat and spend the day fishing. Local merchants have contributed outdoor equipment as prizes. There will be prizes awarded for the first fish caught, the most fish, the oddest fish, and the largest fish, etc. The group will camp out at Earl Galcus on the Pass. Many of the mothers will come down on Sunday and try out their boys' open-fire cooking. KPRC-TV will present the entertainment for the awards dinner and much of the local talent should be on hand. At the fishing derby, the boys can learn a lot about fishing and can improve their out-of-doors skills. Gatherings of this type give the boys more opportunities to learn to live with other people and enjoy it.

Holt Homeowner

From the Carpenter Shop we hear that **J. J. Holt** has recently purchased a new home at 921 Hector in Pasadena.

Receiving the keys to his new home is F. J .Lewis (right) of the Labor Department. J. C. McClaran, General Contractor for the job makes the presentation to the proud new home owner.

Dick LaFaver of the Personnel Department has moved into a brand new house in Pasadena. The six-room home is in Vince Heights at 718 Queens Road. Dick has recently moved here from New York where he was employed by the Federal Bureau of Investigation. Dick and his wife, **Margaret**, have a little boy, **Tom,** who is two years old. A native of Oklahoma, Dick attended Central State College and graduated with a B.A. degree in History and Sociology. He received his Master's degree in Education from the University of Oklahoma.

In Vieux Carre'

Seen in New Orleans over the Memorial Day weekend: Vivian Tucker, Secretary of the Plant Manager, taking a cruise of the "President" up the Mississippi. Helen King of the Shipping Department stopping over in New Orleans to take in the French Quarter on her way over to Eglin Air Force Base where she spent her vacation visiting Bettye Millard, a former Shell employee. Helen had a Saturday night in New Orleans on the way home too.

Lubby Reports

Lubby Worsham is the current reporter for the Labor Department. If you have any news items, pictures etc., please get them to your reporter before each publication date. **J. W. Singleton** of the Labor Department is doing basic training for Uncle Sam at Fort Bliss in El Paso. Carrying on for him at home is his wife and their two children of Crosby, Texas. **F. J. Lewis** is the proud owner of a new home at 4518 White Rock in Houston.

Bill Stanley

Bill Stanley, the son of B. L. Stanley of the Stores Department, reached the half way mark in his schooling career and so far he has done an excellent job. Bill was Valedictorian of his junior high school graduating class. He will enter high school in the fall. The Stanleys live in Pasadena.

Charolette Rhyne Webster Graduate

CHAROLETTE ANN

Charolette Ann, daughter of J. H. (Bill) Rhyne of the Pipe Shop, along with 52 other students in her graduating class of Webster High School, really made a night of their senior party which was held at the home of D. A. Jones in Kemah. Chaperoned by six couples including the school Principal, and Superintendent and parents, the group danced 'til 3 a.m., swam and had breakfast from 5 'til 7 a.m. After they consumed one case of eggs, 18 to 20 pounds of bacon, and ten dozen rolls the kids went home to sleep all day. The Webster students took their Senior Trip to Wagon Wheel Ranch near Bandera for four days.

Charolette plans to attend the University of Houston this fall. While there she will study Music and Art,

Chemical Softball Teams Hold Three Top Positions

As of June 18th the Chemical Plant teams are ahead of the league for this season. Team No. 2, whose captain is Bill Moorman has the first place spot with six wins and one tie. Team No. 1 has a record of five wins, one lost and one tie. The Captain is C. C. Bridges. The third place team is Team No. 3, Captain is Dick Hazelton. After the completion of the second round the two top teams will enter the first City Industrial Playoff, where they will compete with teams from other companies.

Team No. 1: front row: Roland Progess, Woody Woodward, C. C. Bridges, George Summerlin, W. R. Crow, and C. V. Ferguson. Back row: George Kilgore, Elmo Kincade, David Miles and Bill Young.

Team No. 2: front row: Travis Turner, Ken Greene, Bill Moorman, Doug Biggs, and Smitty Smith. Back row: Ray Duncan, Rip Collins, Jack Minter, Louis Stansel, and Don Domingue.

Team No. 3: front row: Gordon Overby, Jack Sargent, Dick Hazelton, Bob Burge, Douglas Matheson and Roger Coppage. Back row: Bob Crouch, Don Weaver, Max Rothschild, Laddie Macha, Bob Millar and Bob Cavalier.

(2)

(1)

(3)

Shell Snap-Shots:

Inspection, Alkylation, Gas Garner Bowling League Honors

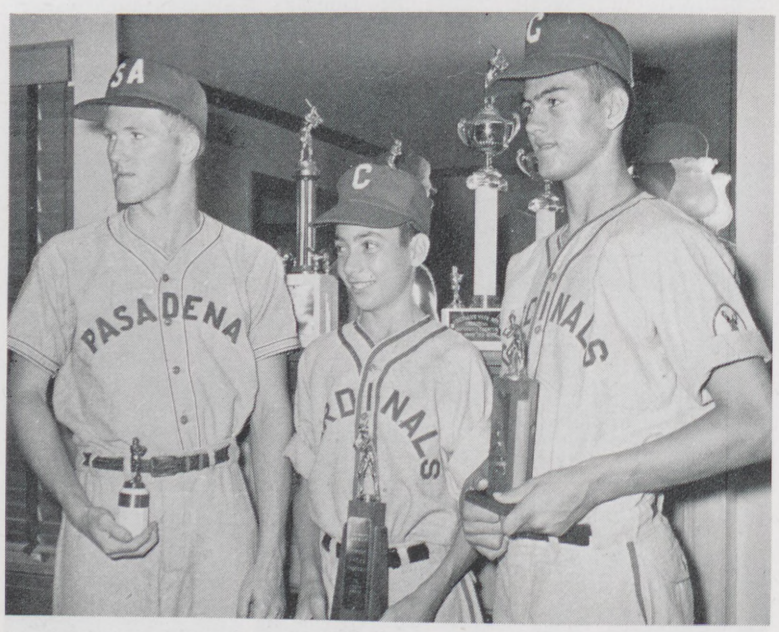
Inspection took top honors in the Shell Mixed Bowling League, winter session. Top row: B. Lowry, E. Spurlock and J. Schroeder. Seated are: J. Hermann and Catherine Gable.

Many Refinery employees improve themselves in their skills and learn new ones by taking courses in their spare time. Thirteen men from the Instrument Shop and one from the Electrical Shop recently completed a course in Electronics which was held every Thursday in the Pasadena High School Vocational Building. W. G. Robbins, Chemical Plant Engineer, taught the course. Photographed during the last class session of the term, the students are, in the usual left to right order, front row: R. M. Weatherly, the lone Electrical Shop representative, L. E. Millholland, B. Baggett. Second row: H. Mize, W. T. Mehrkam, C. F. Pack. Third row: J. L. Bishop, C. A. Janac, M.M. Muscarello. Fourth row: W. C. Trammel, H. L. Simon, R. L. Lyons. Mr. Robbins is standing. B. F. Byerly and R. W. Storm are not pictured.

Second place in the Winter Bowling League went to Alkylation. In L to R order: Ann Washburn, M. P. Hunter, Jean Ament, F. Krupa, C. F. Stebbins. Missing: D. Langdon, J. Washburn, J. Watts.

Gas copped third place in the Bowling League. L to R: R. Bell, H. Tighe, Lil Thew, N. Thew, E. Maxwell. H. Chapman and Buddy Felton are not pictured but were on the team.

One of the six teams in the Shell Softball League is Team No. 4, left to right, front row: Oliver, Nanel, Bell Barber. Back row: Williams, Hensen, Chapman and Gholson.



Five trophies in three years is the Little League managerial record of Johnny Campo, Machinist Foreman. Son Al, center, holds the Good Sportsmanship Trophy won by Johnny's Pasadena Cardinals last year. Ed Burke, left, and Chuck Parker hold the individual awards they won playing under Campos in 1951 and '52. On the mantle are the city championship trophies earned by Campo's Red Sox of Pasadena in 1951 and 1952.

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