BIE Day Improving 'Mutual Understanding'

Business - Industry - Education Day, 1956. The day when educational leaders of the area find out how the industry of the area functions. October 11 was BIE Day in the Greater Alton area and 58 teachers from the Alton, East Alton, Wood River, Roxana, Bethalto and Marquette school systems spent the day visiting Shell's Wood River Refinery.

The teachers, representing both grade schools and high schools, were told in words and shown in deeds how Shell operates and how it regards itself as an integral part of the community where it is located and of the communities it serves.

Fifth Visit

All other major industries in this locale had groups of comparable size visiting their locations. This was the fifth visit by education to industry. On alternate years, industrial leaders go to the schools to see the progress education is making toward giving business and industry the best qualified workers of the future.

The entire relationship of BIE Day might be summed up in one phrase. To improve understanding between business, industry and education.

Welcomed By Dale

Refinery Manager H. D. Dale welcomed the teachers in the Training Building at 10:15 a.m. His remarks included a brief resume of Shell's world-wide organization and "its place in the community."

Dr. R. J. Greenshields, Director of the Research Laboratory, told the teachers about Shell's vast research and development program and its never ending search to continually put the best possible products on the market.

Training Supervisor C. A. Davidson talked about the Company's organization, the products manufactured and vital statistics of the refinery.

Two films, "Fossil Story" and "Refining Oil for Energy" completed the morning session in the Training Building.

Luncheon In Cafeteria

At a luncheon held in the Main Cafeteria, the teachers were joined by Messrs. Dale, G. C. Cunningham, A. Collins, A. H. Garrison, A. J. Wood, R. H. Hord, C. W. Ryan, E. D. Underwood, J. R. Noles, V. H. Gunther, Davidson and J. D. Dodd.

A two-hour afternoon plant tour included stops at Emergency Hospital No. 1, Control Laboratory, Dewaxing and Deasphalting Plant, Stores Department, Engineering Shops and Distilling One.

The day-long visit concluded with additional remarks by Mr. Dale, some Company policy and benefit discussion and the OIIC's new film, "Destination Earth", a comedy showing the story of a Martian who visits the earth.

Business-Industry-Education



SCHOOL TEACHERS FROM THE Alton area pose with Refinery Manager H. D. Dale (extreme right) and Training Supervisor C. A. Davidson (extreme left) shortly after arriving at the refinery October 11 for BIE Day. The educational leaders learned about industry's role in the community, about Shell's background and toured the plant in day-long festivities designed to promote better understanding between business, industry and education.

THE SHELL REVIEW

Volume 19—No. 10 WOOD RIVER, ILLINOIS October, 1956

United Chest Drive Aiming For Two Goals

"Help People Help Themselves."

That's the aim of the 1956-57 United Community Chest Drive.

The Refinery's annual drive heads into its final stages with employees setting sights on two marks, 100 per cent participation and reaching the $25,451 plant goal set by Greater Alton Chest officials.

Drive Chairman C. C. Wuth, Assistant Chairman W. G. Eddleman and a steering committee composed of Leroy Bierbaum, Ray Drury, David Grieve and Henry Rose have organized the drive within the refinery.

Participation Counts

Organization without participation is useless. If the refinery is to reach the two goals, it will be up to every employee here to contribute his or her fair share. This share amounts to 67 cents per agency per employee.

There are Chest representatives in every department in the plant soliciting funds for the 10 Red Feather agencies which include the following: Boy Scouts of America Girl Scouts of America, Catholic Charities, Family Service and Visiting Nurses Association, Hillcrest House, Illinois Children's Home and Aid Society, Salvation Army, Wood River Recreation Committee, Young Men's Christian Association and Young Women's Christian Association.

Film Being Shown

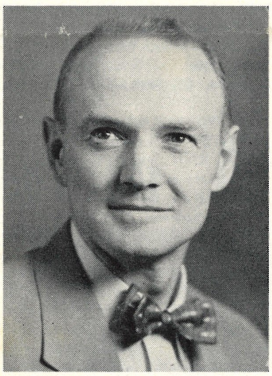
"Look Down Any Street", the eight minute slide film telling the Chest's story, is being shown in the plant and in surrounding communities in an effort to help get the drive "over the top."

The Community Chest total for the Greater Alton area is $257,343.

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Transferred



H. D. GUTHRIE

Guthrie Goes to New York; Replaced Here by Bradford

H. D. Guthrie, Assistant Department Manager-Catalytic Cracking will be transferred to Head Office effective November 1 to work in a group headed by J. E. Marsland, according to Superintendent-Operations G. C. Cunningham.

The group will conduct special studies involving the interests of more than one department of the Shell Companies. P. C. Bradford will replace Guthrie at Wood River. Bradford is currently a Group Leader in the Technological Department.

Guthrie started his Shell career as a Junior Engineer in 1943 at the Wilmington Refinery. Two years later, Guthrie was transferred to the Engineering Department in San Francisco as an Engineer.

Wood River in 1952

In 1950, he moved from San Francisco to Emeryville, Calif., as a Senior Engineer. In November, 1952, Guthrie was transferred to Wood River as a Technologist. Guthrie also worked here as a Senior Technologist in Lube Oils and as Assistant Department Manager of the Gas and Catalytic Cracking Departments prior to this transfer.

He was graduated from the University of Iowa in 1943 with a bachelor of science degree in chemical engineering and held memberships in four honorary fraternities. Guthrie is a native of Murdo, S. D.

(Continued on page 2)

Help People Help Themselves



HELP PEOPLE HELP THEMSELVES. That's what Refinery employees are doing when they contribute to the United Community Chest Drive now under way in the plant. All employees will be solicited for funds to keep the 10 Red Feather agencies aiding the underpriviledged. Your fair share is just 67 cents per agency per year. Let's make the 1956-57 drive a 100 per cent participation effort.

It's A Date

Annual Christmas Party

East Alton-Wood River Community High School

Thursday, Dec. 13

7:30 p.m.

Junior Achievement Program Gets Big Boost From 12 Plant Employees

Twelve Shell Wood River employees are taking active parts in the Mississippi Valley portion of the nationally known Junior Achievement program. Junior Achievement is the program designed to teach high school students how American business and the free enterprise system operates.

Youngsters from ages 15-21 are formed into miniature corporations. The average size corporation numbers about 25. By allowing achievers to actually engage in the setting up and running of a business, young people become enlightened citizens and better potential employees for industry.

Nine of the 12 Shell employees are serving as advisers for three Shell sponsored corporations, two are part of a safety committee and one is the coordinator of the Alton Junior Achievement Center.

Loftis Is Coordinator

Jim Loftis, Stores, is in his sixth year as Center coordinator. E. B. Wiley and Ray Cobbel are on the safety commitee, with Wiley serving as chairman. The nine advisers include Russell Edwards, Nancy Hickerson, Bill Newman and Roy Stotler of Treasury; Morris Henderson, Research; Earl Bailey, Dispatching; L. C. Snyders, Engineering; Carl Thomson, Stores; and Verle Whittington, Personnel and Industrial Relations.

There are 17 miniature corporations in the Alton Center, each sponsored by some of the largest industrial companies in the community.

Each of the JAC corporations has three adults as advisers. One adviser has extensive knowledge of accounting, one of production and the other of management.

Does Not Direct

The adviser has no authority to direct the operation of the corporation or to demand the members to take any course of action not agreeable to them. He merely acts as the title implies, as adviser.

It is the Safety Committee's job to make sure the achievers use safe work practices while manufacturing their products.

Each JAC sells stock to raise capital, at 50 cents a share, with a limit of five shares per person; elects officers and charters with the National organization; manufacturers and sells a product or service; keeps its books; pays salaries and bonuses; and liquidates at the end of the year, paying taxes and reporting to the stockholders.

There are seven Junior Achievement centers in the Mississippi Valley area. Included in these centers are 150 companies, 4,000 achievers, 650 adults acting as advisers and more than 40,000 stockholders. The Junior Achievement program was the center of discussion on a St. Louis television station recently. People of all ages are taking part in it, and it is especially beneficial to the youth of America.

Succeeded by Burdett

Dr. Anderson Transferred To Houston Research Lab

Dr. H. W. Anderson, Chief Research Chemist at the Wood River Research Laboratory, has been transferred to Houston, Tex., effective October 16, according to an announcement made by Research Director R. J. Greenshields.

Anderson will assume an identical position at the Company's Houston Research Laboratory. He has been at Wood River since March, 1953.

Position to Burdett

R. A. Burdett, head of the Analytical and Physical Chemistry sections, will succeed Anderson as Chief Research Chemist here.

Anderson started with Shell in 1943 at San Francisco in the Research and Development Department. He was transferred to the Martinez, Calif. Research Laboratory as a chemist in 1945.

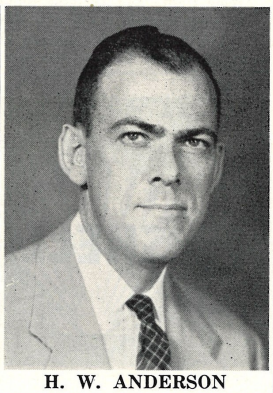
Four years later Anderson was named Chief Research Chemist at Martinez.

Minnesota Graduate

He was graduated from the University of Minnesota in 1938 with a B.S. degree in chemistry. In 1941, Anderson earned his Ph.D in physical chemistry at the University of California.

During World War II from 1941-43, Anderson worked as a research associate with the National Defense Research Committee.

Anderson resided at 12 Rock Hill Court, Edwardsville. He is married and he and his wife, Catherine, have two children, Catherine, 11, and Lee, 9. Anderson formerly lived in Rosewood Heights.



H. W. ANDERSON

Guthrie Moves

(Continued from page 1)

He is married to the former Elizabeth Anne Harris of Old Hickory, Tenn. Guthrie and his wife have three children, Katherine, 6, Gretchen, 4 and Melissa, 1.

Guthrie is a member of the St. Gabriel's Episcopal Church in Wood River, and his wife is Superintendent of the Sunday School at St. Gabriel's.

Chemical Engineers

He also has been active in the American Institute of Chemical Engineers. Guthrie is a member of the national organization, a St. Louis area vocational guidance representative and a vice-chairman in charge of program for the Alton-Wood River area.

Listen!
Look!
Talk!
Argue!
Think!
then VOTE

THE SHELL REVIEW

Published monthly for the employees of the Shell Oil Company, Wood River Refinery.

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Organization Night in JAC



ONE OF THREE SHELL SPONSORED Junior Achievement Companies holds its organizational meeting in the JAC headquarters in Upper Alton. Advisers Bill Newman, right, Morris Henderson, center, and Nancy Hickerson help the achievers in the organization of the "Sellco" company. Twelve Shell Wood River employees are active in the Junior Achievement program.

Refinery 'Electronic Brain' First of Kind in Alton Area

An IBM 650 Magnetic Drum Data Processing Machine, aptly tabbed the "electronic brain", has been placed in operation in the Tabulating Section of the Refinery's Main Office.

The "brain", a three-section unit weighing nearly three tons and occupying a space 6' x 15' x 2½', is the first of its kind to be installed in the Alton-East Alton-Wood River-Edwardsville-Grantie City area. Only four like it are in operation in the entire St. Louis metropolitan district.

Wide Range of Uses

Machines like the 650 are being used all over the United States as part of the nation's vast, electronic aircraft warning system, as a determiner of smog buildup and movement on the West Coast, as a storer of secret documents and as a doer of civic chores, such as tax collections.

The 650 will be used here to solve complex technical, engineering and research problems, as well as routine problems involving inventory, accounting and payrolls. The most important use of the computer will be in the economic planning of refinery operations.

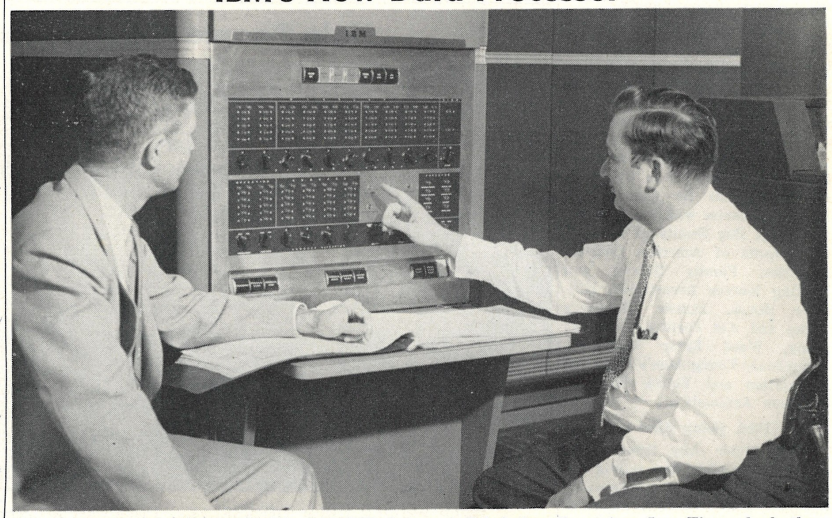
Magnetiezd Spots

The electronic brain operates by an IBM punch card system. It is capable of storing or memorizing 20,000 sets of digits. Each digit is a magnetized spot on a small rotating drum.

It is capable of doing 83 multiplications of 10 digit numbers per second, 1300 additions or subtractions of 10 digit numbers a second or 62 divisions a second.

The disassembled unit was hoisted by crane through the third floor double-doors in the rear of the Main Office, October 3. IBM representatives assisted Shell employees in assembling the unit. It has been in operation since October 8.

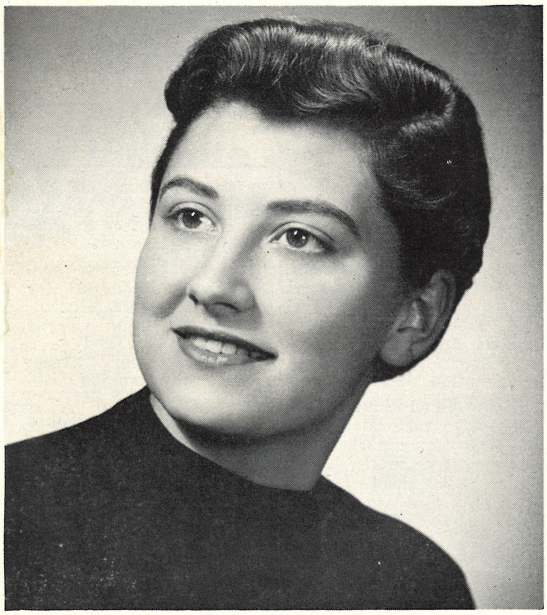
IBM's New Data Processer



CHIEF ACCOUNTANT ED GARNER, left, and Tabulating Supervisor Lou Eisen check the operation of the IBM 650 Magnetic Drum Data Processing Machine after it had been installed in the Main Office. The "electronic brain" is the first of its kind in this area. The assembled unit weighs close to three tons.

Introducing . . .

Gloria Hall



MISS GLORIA HALL, a typist in the Refinery's Control Laboratory . . . Gloria started with Shell seven months ago . . . She's Edwardsville all the way . . . Born there, lives there with her parents, Mr. and Mrs. Bertle Hall and graduated from high school there . . . She attended Bradley University for one year . . . Boating, swimming and dancing are among Gloria's chief interests.

Employee Blood Donations Total 384 Pints During '56

Shell employees fell short in an attempt to surpass the record April 1956 contribution of 216 pints of blood when the Red Cross Bloodmobile stopped at the Roxana Community Center, October 2 and 3.

The 168 pints of blood donated in the two-day stop did, however, give Shell a 384 total, enough to satisfy the annual plant goal, according to Drive Chairman John Larsen.

Control Lab Tops

Control Laboratory led in the departmental race for total number of donors, with 26 of its employees contributing. The Pipefitters and Laborers each had 15 donors, Engineering Office had 13 who contributed and Stores had 12.

This visit was the last of the Bloodmobile's twice-a-year stops at the Refinery. The next scheduled Bloodmobile visit will be October, 1957.

Possible Changes

Proposed changes in plant organization for the 1957 stop may include a plant committee, with one member from each department or craft responsible for the solicitation of each employee in his department or craft.

There is the possibility the Bloodmobile will be located at the refinery next year, in order to make it easier for employees to donate blood.

St. Louis Group Honored

National Council Presents Carol Lane Safety Awards

Winners of the 1956 Carol Lane Awards for Traffic Safety were announced October 22 by the National Safety Council, meeting in Chicago.

The award program, sponsored by Shell Oil Company and named after its women's travel director, was established in 1951 to inspire women to help reduce traffic accidents and make America's streets and highways safer. It is administered by the National Safety Council through grant of Shell Oil Company.

Awards are made annually to three individual women and three womens' club or parents' clubs who have developed and directed the most effective traffic safety program during the previous year.

$1,000 Savings Bonds

Duplicate awards were made to individuals and groups. First place prize was a $1,000 savings bond and a bronze statuette. Second prize was a $500 savings bond and a bas-relief plaque of the trophy and third place a $250 savings bond and a plaque.

Both the individual winers and representatives of the winning clubs attended the Safety Council's meeting in Chicago to receive awards as guests of Shell.

Certificates of Merit

In addition to these awards, 54 certificates of merit were presented to individuals and groups throughout the country by Company representatives in the communities where the women live.

The Maryland Heights Mother's Protective Guard of St. Louis County, St. Louis, Mo. received one of the merit certificates. They were the only club or individual in the St. Louis-Wood River area to be so honored.

A board of judges, composed of prominent women leaders in safety, club activities and public life, passed on this year's 160 entries. The 1956 winners were: Individuals; 1) Mrs. V. A. Lundquist, Anthon, Ia.; 2) Mrs. Benjamin Linsky, Detroit, Mich.; 3) Mrs. Joseph W. Ennis, Smyrna, Del.; Groups; 1) Business and Professional Women's Club, Decatur, Ga.; 2) Coahoma County House Demonstration Council, Clarksdale, Miss.; 3) Azalea City Women's Club, Mobile, Ala.

Social Security Revisions Go In Effect Jan. 1, 1957

For the third time in six years, the Social Security Program has undergone a face lifting. A booklet "Facts About Your Social Security" is in the mail to all Shell employees. It explains all aspects of the new program.

Probably the first question is, "How much does it cost and who pays it?"

During 1955 and 1956, the total tax on your earnings is four per cent. If you are employed by someone else, you pay half the Social Security tax and your employer pays the other half.

Congress has amended the law this year, adding another half of one per cent to the tax, to take effect January 1, 1957. So from 1957 through 1959, you and your employer will each be paying 2¼% tax.

From 1960-64, it will be 2¾% each; from 1965-69 it will be 3¼% each; from 1970-74 it will be 3¾%; and beginning in 1975 it will be 4¼% each.



"Search me! Said she belonged on the graveyard shift!"

Jane Rozum Voted Queen At Western

Jane Rozum, daughter of Boilermaker Helper George Rozum, was chosen queen of Western Illinois State College's 34th annual homecoming festivities October 10-13.

Rozum has been with Shell since 1930, serving all his 26 years in the Engineering field. He lives in Grafton and is married to the former Clara Burger of Edwardsville.



JANE ROZUM

Miss Rozum was crowned queen at the homecoming dance Saturday night, October 13, in Morgan Gymnasium at Macomb. The dance followed an afternoon football game with Central Michigan, which Western lost, 40-20.

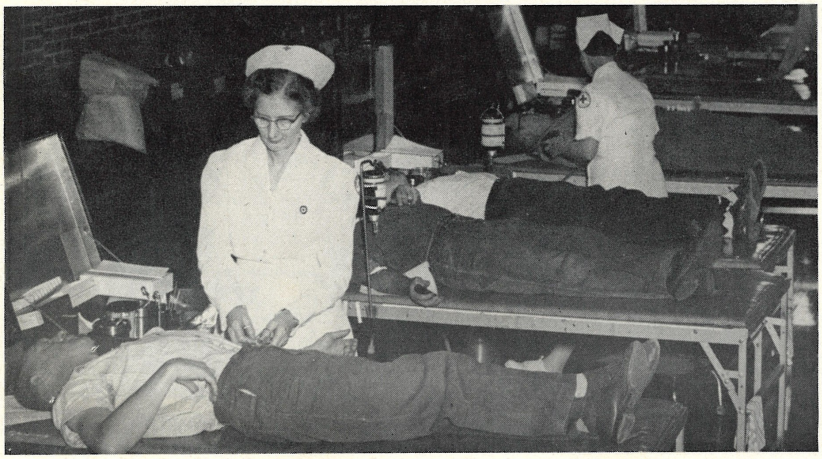
Homecoming festivities at Western started on Wednesday, October 10, with the annual bonfire, continued with a pep session on Thursday and concluded with a parade, band festival, the football game and the dance on Saturday.

An estimated 24,000 persons watched the parade.

Jane was graduated from Jerseyville High School and attended Normal State College two years before her transfer to Western. Miss Rozum, a senior in the college of education, is a member of the Newman Club, Association of Childhood Education and is Vice President of House President's Council.

Her sister, Clara Bell, is a sophomore at Western Illinois.

More Blood for Needy Families



ANOTHER PINT OF BLOOD is contributed by Shell workers to the Red Cross' Bloodmobile. The Bloodmobile made its last stop here until October, 1957. Plant employees did not surpass the single day record of 216, but reached the yearly goal set for the Refinery by Red Cross officials. Proposed plans may have the Bloodmobile located at the refinery next year.

Pipe Line Corporation Constructs 2 New Pump Stations to Increase Line Capacities

Construction of new pump stations which will boost the capacity of two pipe lines operated by Shell Pipe Line Corporation was announced recently.

The stations are being built on: 1) the Rancho Pipe Line System, which was designed and built by by Shell Pipe Line Corporation for itself and six other companies to carry West Texas crude to Gulf Coast refineries and, 2) on the Butte Line, which moves crude from the Williston Basin in Montana and Wyoming to other carriers that transport the oil to refining centers in Wood River and Chicago. Shell Oil Company is one of four owners of the Butte Line.

Increased Capacity

The new Rancho station, named Katy, will be located about 30 miles west of Houston. When the station goes into operation in January, the capacity of the 24-inch line will be increased from 232,000 barrels per day to 257,000.

The fourth station on the Rancho line, Katy will be operated by remote control from the Garfield Station, 109 miles to the west. Only routine checks of equipment at Katy will be required.

Located In Montana

The second new installation will be called Alzada Station. It will be located on the 16-inch segment of the Butte Line between Baker and Osage Stations in Montana.

Alzada, which will serve primarily as a booster station with automatic controls on the oil flow, will increase the capacity of the Butte Line from 37,000 to 49,000 barrels per day.

Physical Examinations Are Common Sense



LLOYD HALE SIGNS UP FOR THE voluntary physical reexamination with John Larsen, Personnel and Industrial Relations. Hale is one of Shell's employees who believes in the old adage "an ounce of prevention is worth a pound of cure." The results of his examination are strictly a matter between him and the examining plant physician.

In the course of Refinery operations, daily checks are made to check the quality and condition of products being produced. That's logic. So is it equally logical to check and examine the human body periodically to make sure its condition and quality are up to par.

Shell has provided its employees with a voluntary, cost-free method of determining their physical condition at regular intervals.

This method is known as the Voluntary Physical Reexamination Program. Results of the examination are confidential. Only the examining plant physician, Dr. T. J. Kelly, and the employee concerned ever see the examination results, and the employee keeps the only copy of the physical examination record form.

Every Shell employee is entitled to take advantage of this examination at three year intervals. Lloyd Hale, Boilermaker, is one employee who took advantage of this examination recently.

The physical is cost-free, regular and voluntary. It's also comprehensive. Although it takes little time, it is effective and may reveal hidden disabilities.

General. This includes height and weight. The latter often becomes a problem in later life.

The eyes, ears, nose and throat are examined for signs of sinusitis, bronchitis, tonsolitis or chronic cold conditions, and as a possible area of distrubance for the common headache.

Extremities are checked for stiffness and any deformities which may exist.

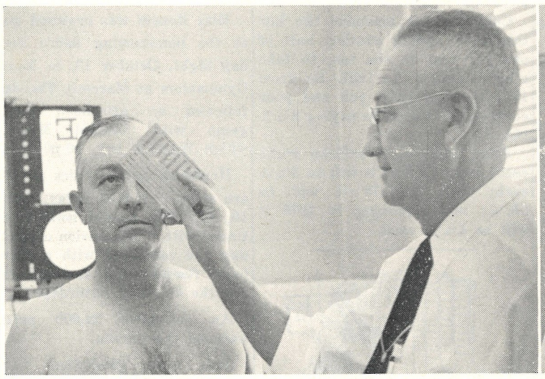
The heart is examined for murmur, fast-beat or slow-beat. The entire chest and abdominal areas get special attention also.

Blood tests are taken, as are urine samples. The blood pressure is determined and the neck and back are checked.

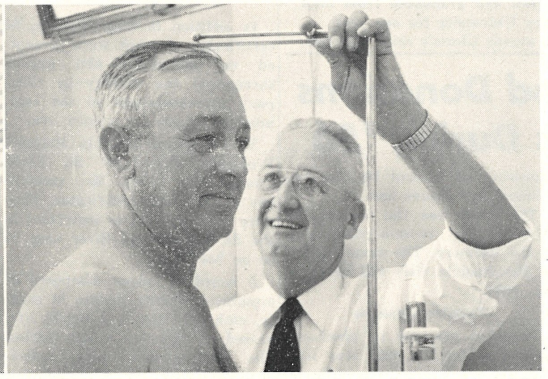
If any disabilities are discovered and are minor in nature, the company doctor usually advises the examinee on how to correct them. Should they be serious, the employee is advised to see his family physician for further diagnosis and treatment.

So besides being comprehensive, the examination is preventive in nature. It allows the employee to review his condition with a competent physician, and if something is wrong, take corrective action without loss of valuable time.

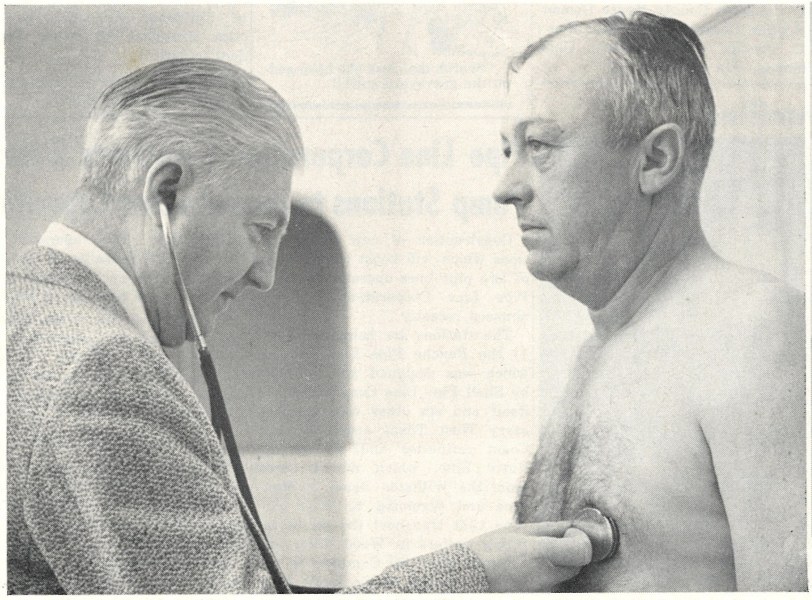
Periodical physical examinations are common sense. The old adage, an cunce of prevention is worth a pound of cure, is still true.



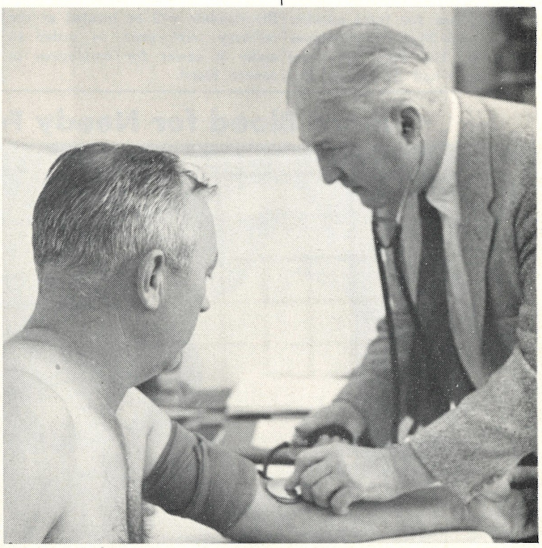
HALE GETS AN EYE CHECKUP as part of the physical. The eyes are not only examined for sight accuracy, but for color blindness as well. This phase of the checkup can't be overlooked in importance, for eyes and sight are probably ones most treasured physical possession.



NURSE CECIL FONES gives Hale the height and weight check at the start of the reexamination. Weight control can grow into serious problems for people, especially in later years. The exam usually only takes a few minutes of an individual's time, but it can be worth its weight when hidden ills are discovered.



ANOTHER PART OF THE COMPREHENSIVE examination offered all employees concerns the heart and chest area. This is one of nature's trouble spots and it receives a detailed check from Dr. Kelly. Should a minor ill be noted by Dr. Kelly, he will advise the patient about corrective measures.



DR. T. J. KELLY, Plant Physician, checks Hale for high or low blood preasure in another phase of Lloyd's physical reexamination. This service is available to all Shell personnel and is free for the asking. Just contact your immediate supervisor for information about signing up for the examination.

Electrician Apprentice Training Program Gives Men Opportunity to Learn, Progress With Shell

First Class Craftsmen Is The Ultimate

Expert craftsmen properly trained in oil refinery operations, problems, and procedures are hard to find.

With the ever increasing tendency for technical know-how in all fields, employers are faced with two choices: 1) To employ craftsmen already skilled in refinery operations, or, 2) To train craftsmen in their respective trades through apprenticeship systems so they will be competent employees.

Shell is using the second choice, for the most part, in getting skilled electrical workers here at Wood River. An apprenticeship program, geared for problems more prevalent in oil refineries, was established here in September, 1941.

256-Day Year

Since then, many men have graduated from the four-year course to be first class journeymen in the electrician craft. (In the agreement, a year is constituted when 256 days of work are done.)

The latest graduates of the electricians' apprenticeship program are Ernie Becherer, Belleville; Roy Hobbie, Bethalto; Bill Hock, Edwardsville; and Tom Madden, Gillespie; four electricians who embarked on the long road to journeymenship in September, 1952. All four finished the course last month and are now first class craftsmen.

What do they think of the Company's training program? How do they feel about their chance to have worked and learned while progressing with Shell?

"Learn by Doing"

These answers and other about the apprenticeship system follow in a small tribute to the "learn by doing" program.

The inability to get sufficient electricians and instrument men led to the adoption of the program in '41. It is at present the only formalized apprentice training in any of the various crafts. This was prior to World War II, and the need for technically qualified workers was growing acute. This need has continued, hence, the continuance of the program.

Some apprentices are hired in different years of the program, depending on their experience. By far the greater number start from scratch and go all the way.

Tested Regularly

As the apprentices advance through the four years, they are tested regularly to assure "fact and theory knowledge". They get on-the-job training and practical experience by being assistant to a journeyman. As they progress in knowledge and experience, more confidence is placed in them, and during the fourth year they work by themselves on certain jobs.

Advancement is steady and sure. The apprentices learn the work by doing the work. A better learning process than this has yet to be devloped.

Practical work and testing at prescribed intervals are a big part of the training, but not all of it.



ROY HOBBIE CLIMBS up a telephone pole in the North Property to check the operation of a terminal box. Like all others who have completed the four-year apprenticeship period, Roy had to devote six or seven hours of study each week. He is a happy in his new job, first class craftsman.



ERNIE BECHERER and Tom Madden work together in the Southwest Property as they bend conduits for use in protection of some wiring they did near Tank No. 67. Both heartily agree the training they received was good. Both went to school nights and also took electronics courses as part of their outside work. "This on-the-job training is the best," both remarked.

"I imagine I averaged six or seven hours extra study at home per week during those four years," speculated Madden as he and Becherer thought about their after-working-hour participation in the program.

Average of Six Hours

Becherer agreed, "That's about right. Some weeks less, and others more, but an average of six hours would be close."

This study was in addition to a course followed at the Olin Trade School in Alton. One night a week, three hours a night—that was the course in basic or advanced electricity.

Hobbie spent four years in this course, then another year in radio school.

Hock spent two semesters in school. Even before he began his apprenticeship, Bill took a correspondence course in electronics from the Industrial Training Institute in Chicago. For $100.00 and the cost of the course, he built himself a television set.

Electronics Courses

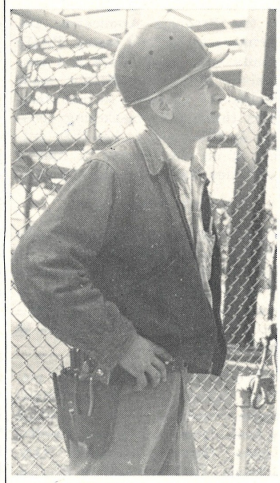
Becherer and Madden both went two years at Olin and took electronics courses. Madden went to night school at the East Alton-Wood River Community High School while Becherer took his electronics at Belleville Junior College.

No matter how or where, all four have had to study to keep abreast with the "electrical field".

Hock hit the nail on the head when he said, "this learning is a continuing process. When you stop learning or stop trying to learn, there's only one way you go. That's backward."

All four are proud to be first class craftsmen. "The apprentice program is a wonderful opportunity", declared Hobbie. "It gives a man a chance to advance and show he is ready for the responsibility that goes with being a craftsman."

That word "craftsmen" has opened up a whole new field for Becherer, Hobbie, Hock and Madden. Almost like starting a new job, with new challenges. They think it has been worth the effort.



BILL HOCK pauses for a moment after finishing a wiring job inside a transformer cage near the Pump Station No. 5. Bill built a television set for $100 and the cost of an electronics course before he started his apprentice training. "Learning is a continuing process," Bill said, "and I haven't stopped, and won't ever."

Better Legal Position

Company Takes Steps to Register 66 Sea Shell Industrial Lube Trademarks

Shell Oil Company is undertaking a program to register 66 of its sea shell trademarks that identify Shell industrial lubricants throughout the world.

Until now, these trademarks, or brand names, have been protected by common law. Registration of the "marks" with the United States Patent Office will put Shell in a better position to take legal action should anyone marketing petroleum products use any of them to identify their own products. Applications are being filed to register 40 names covering lubricating oils and 26 covering greases and fluids.

Shell's sea shell trademarks, such as Clavus, Rimula, Talona, Tellus, Rotella, Darina and Irus have become familiar throughout the world to people using Shell products.

Origination of the marks can be traced back to 1929, when the old Shell Petroleum Corporation in St. Louis hit upon the idea to prefix names of products with sea shell names, which would be distinctive and easily identifiable with Shell.

C. R. Latowsky, now a supervisor in Head Office Lubricants Department, was assigned to compile a list of names. His final report contained 50 pages of sea shell family names and their genera, literally hundreds of potential trademarks. It was believed to be a complete list of the sea shells identified to that date.

Mark of Maturity



Now at last you're 21—and old enough to vote. But growing up is just one essential—the other is, simply, thought. Don't be a don't-care voter. Think it through. Look over the candidates. Listen . . . read . . . argue. A thoughtful vote is a mark of maturity. Also a matter of pride!

SEE YOU AT THE POLLS!

Newest Shell Film Is 'The Rival World'

A new Shell film, "The Rival World", which dramatically tells the story of insects versus man, will be released for public showing during November.

The principal characters of the film—the inhabitants of the rival world—are insects, which outnumber man 50 million to one. "Rival World" depicts insects in their world-wide attack on man's food from the fruit orchards of Europe to the maize plots of Africa, from the wheatlands of the West to the tea gardens of the East.

Filmed Abroad

The scope and persistence of just one sector of this attack is seen in the locust invasion of the Sudan and East Africa, where man's counterattack is filmed. To cover the subject, a Shell film unit spent 2½ months in East Africa, the Sudan and Egypt. Scenes taken on location in other tropical countries are also used.

The film describes some of the weapons of the insect world, such as malaria, typhus, blindness and elephantiasis, and shows examples of those who have been afflicted.

Rival World points out that man can fight back only by marshalling his resources on a tremendous scale, encouraging scientists to improve and increase insecticides and other control methods and applying them constantly. Man will meet success only if cooperation and planning are expanded and improved to fight this war on an international scale.

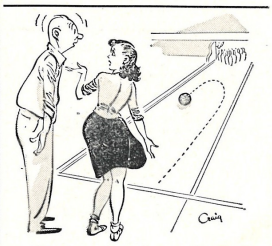
Filmed in Color

Filmed in 16 mm color and sound, "Rival World" has won several awards since its release in London. Prior to its general showing in this country, the film is having a series of private previews. High-ranking officials of the United States and foreign governments, people of the chemical trade and the press are seeing "Rival World" in New York and Washington D. C. Plans also include presentation of the film before other governmental groups in various parts of the United States.

Copies of the film will be made available about November 1 here at Wood River. For additional information and booking arrangements, contact J. D. Dodd on plant phone 463.

Provident Fund Makes Saving an Easy Task

The Provident Fund makes saving for your retirement easy and exceedingly profitable. For every dollar you contribute, Shell contributes another to your credit. Both your and the Company's contributions are paid into a Trust Fund. The Trustees invest such funds to earn more money for you.



"Too much spin on the ball, huh?"

Vexilla 117 - One of the Best Nylon Machine Needle Oil Discoveries in the Last Ten Years

Used in Textile Factories For Hosiery Production

★ ★ ★ ★

Vexilla* 117. That's the finished product.

Here's the case history behind that product. Why it was needed, how it was developed, who developed it and the success of it on the open market in direct competition with other similiar products.

Vexilla 117 is a lubricating oil. Not an automotive oil, but a needle lubricant for full fashion seamless hosiery machines. A needle oil is the most important lubricant required in a textile mill employing hosiery machines. These machines are operated in extremely warm atmospheres and the highly polished needles and other metal surfaces need to be protected against rust during operating and shut-down periods.

Revolution Takes Place

A revolution in full fashion needle oil requirements came about with the advent of nylon. Yarn diameters were decreased so manufacturers could produce finer hosiery. This allowed manufacturers to increase machine speeds and offer finer gauge equipment. This trend caused size to be applied to the yarn to prevent breakage during knitting.

These advances created a need for a needle lubricant of superior performance characteristics.

The Research Laboratory at Wood River was given the task of producing a top flight needle oil superior to that of its competitors. This was 1953, and today, slightly more than three years later, Vexilla 117 has given Shell a dominant position in the needle oil market.

PAD, Marketing

Shell research chemists assigned to the project, along with representatives of the Products Application and Marketing Departments, visited textile plants in the South Atlantic and New England states to study the problem, as a first step toward developing a better oil.

The problem was this. Needle oils then available to hosiery manufacturers were found to be deficient in the following general areas: 1) Needle rust protection. 2) Rapid oxidation of fatty oils on machine parts. 3) Scourability-it wouldn't wash out of the nylon yarn easily. 4) Fatty oil blends couldn't control accumulation of size on needles, sinkers and dividers.

Then started a series of tests, experiments and more tests to find the right combination of components that would do the job with the best possible results.

In 1954, that combination was discovered and was turned over to the Products Application Department to be field tested. PAD's results were so positive and conclusive, Shell immediately made Vexilla 117 available to manufacturers through its marketing divisions on full scale, rather than putting it on the market in limited quantities, as is usually the case.

Reports Praise Work

By September, 1955, reports flocked in praising the work of the new oil. The general manager of a prominent hosiery mill in South Carolina called it the greatest advancement in needle oils in the past ten years.

Two of the foremost textile machine manufacturers in the United States requested stocks of Vexilla be sent abroad to England, Sweden, France, Germany, Holland, Italy, Belgium, Denmark and to Mexico.

These manufactures exported machines to all these countries, and wanted to take advantage of Shell's worldwide distribution.

Vexilla a Success

Today, three years after the proverbial bull was taken by the horns, Vexilla 117 enjoys success of the first degree. Why?

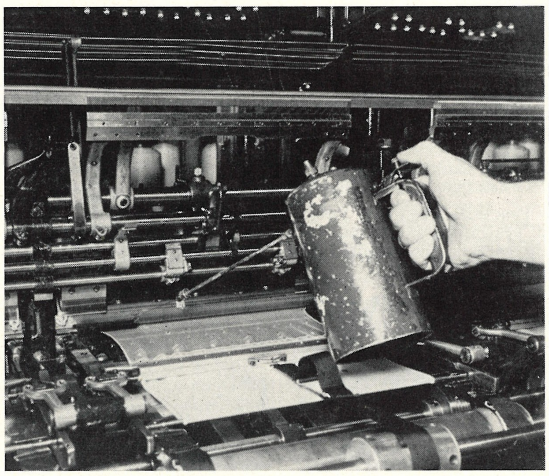
It's the best needle rust protection available today. It's noncorrosive, doesn't discolor fabrics and contains none of the fatty oils present in other oils, thus preventing gum formation on machines.

A complete line of Vexilla oil is being formulated for use in knitting with other type fabrics.

That's Vexilla 117.

Why it was needed, how it was developed, who developed it and its success on the open market.

*Trademark—Shell Oil Company



AN APPLICATION OF VEXILLA to a full-fashion nylon hosiery machine in an Eastern textile mill. Despite the revolution in stocking machine manufacturing, Shell kept pace by coming up with Vexilla, a rust preventive, non-corrosive lubricant for the precision tip needles. Much of the work in the discovery of Vexilla 117 was done here at the Wood River Research Laboratory.

Bridge Tournament Won by Engineers

An Engineer team composed of Dick Schulke, John Nicholson, B. A. Tassen and F .W. Tarcza won the Shell Duplicate Bridge Club Team-of-Four Tournament, October 16, in the Main Cafeteria.

The Engineers, and a team of Mr. and Mrs. Jack Kalivoda and Mr. and Mrs. Bob Campbell, finished the regular schedule in a first place tie, necessitating a playoff.The Engineers won by a margin of more than 1000 points.

Eight teams were in the league. Scheduling was done on a round-robin basis, with each team playing every other team once. The winners each had a record of six wins and one loss prior to the playoff.

Nicholson, Schulke, Tarcza and Tassen, as winners, will attend the Shell Recreation Association's Winners Banquet, November 19, at the Rose Bowl in Granite City.

They will join other plant and Industrial League champions who will be honored by the Recreation Association for their sports accomplishments.

Watch
November Issue
For
"Out Front in Avgas"

DID YOU KNOW?



In the budget of the average American family, automobiles and their fuels and maintenance rank just below food, shelter and clothing.

* * *

Every minute of today, about 105,000 gallons of gasoline are being used in the nation's vehicles, planes, tractors, boats and industrial engines.

* * *

Oil is being produced on 18 million acres of leased land in the United States. In addition, the industry has under lease about 300 million non-producing areas that may prove productive in the near future.

* * *

An American oil-industry tanker, one of the largest in the world, recently completed her maiden voyage with a record smashing 386,000 barrels of crude oil in her tanks, which if transported by rail would require 1,304 tank cars in train nearly 10 miles long.

* * *

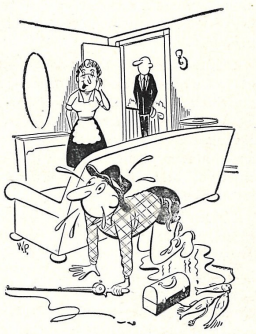
Some of the oil industry's toughest problems may be solved in laboratories of "Science City", a new community being built complete with research facilities and residential and recreational areas. The 3,000 acre development is an expansion of Southwest Research Institute and Southwest Foundation for Research and Education in San Antonio, Tex.

* * *

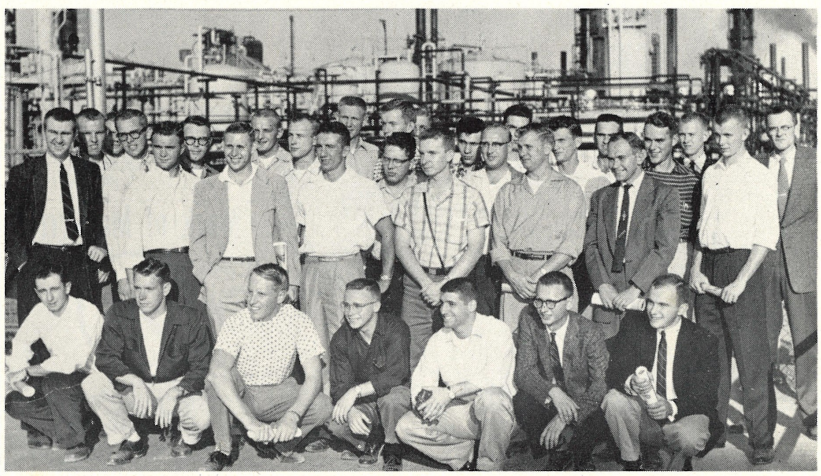
Three out of ever four miles of heavy-duty highway are petroleum asphalt, as are virtually 100 per cent of the light duty paved roads.

VOTE
November 6

Kendall Hill Shelter House Facilities Will Close October 31st



"Oh, Frank dear...Yoo-hoo!... Are you well enough to see your boss for a few minutes?"



COLLEGE SENIORS AND INSTRUCTORS from Iowa State College at Ames were honored guests of Shell during their October 8th visit to the Refinery and its installations. The seniors, majors in chemical engineering, split up into small groups for their guided tours and got together just outside the main gate after the tour.

SRA Winners Banquet Night To Be Nov. 19

The annual Shell Recreation Association Winners' Banquet will be held Monday, November 19, at the Rose Bowl in Granite City, according to SRA President Russ Henry.

All Plant and Industrial League champions will be honored guests at the yearly affair. Arrangements for securing a guest speaker are incomplete, but Henry has expressed hope that the St. Louis Cardinal organization will fill the bill.

Another possibility is a prominent sportswriter on one of the St. Louis metropolitan dailies. Watch the bulletin boards for the announcement.

Joe Lucco, head basketball coach at Edwardsville High School, was the guest speaker at the 1955 banquet.

Basketball Organization

Plant League basketball is on the way. The 1956-57 season starts Thursday, November 15 in the Roxana Community Center, according to an announcement by SRA Secretary Carl Herzog.

An organizational meeting is scheduled for Tuesday, October 30 at 7 p.m. in the plant cafeteria. All teams must be entered at or before this meeting. League schedules and rules also will be a topic of discussion.



GRAND PRIZE WINNERS Cleo Bunting, left, John Kozak, center, and Dave Patton happily accept the Johnson Outboard motors at the Fishing Contest Banquet, October 6, in the Main Cafeteria. The three landed the prize winning catches at different times and places, but the outcome was the same—happy fishing days ahead with a Johnson motor.



CONTEST JUDGES and Chairman Al Doerr, left, string up some of the fish caught during the six-month SRA sponsored event. Clarence Priest, second from left, Dave Patton and Buck Baumeister right, assist Doerr in stringing up the fish. All four spent much of their spare time working in an effort to make the contest a success.

Receive Prizes for Catches

Fishing Contest Winners Feted in Main Cafeteria

Labor Foreman Dave Patton, Plant Patrolman Cleo Bunting and Tester John Kozak are the grand prize first place winners in the annual SRA sponsored Fishing Contest. The contest ended September 30 and the fish fry and award presentations were held October 6 in the Main Cafeteria, according to Chairman Al Doerr.

Six Pounds, Eight Ounces

Patton's prize-winning bass weighed six pounds, eight ounces. He caught it June 29 at Dunlap's Lake near Edwardsville. Other grand prize winners in the bass division were Hank Vlasich, who won a casting rod for his second place five pound, 12¾ ounce bass, and Richard Rogier. Rogier took third place and a casting reel with a five pound, eight ounce haul.

Bunting's bluegill, caught during the last three days of the contest, gave him the final sixty day period prize plus his grand prize first place. It weighed 12¼ ounces.

Edward Snajdr finished second and won a fly rod for his 12 ouncer. Bud Schoeneweis also had a 12 ounce bluegill, but lost the draw with Snajdr for the second place prize. Schoeneweis won a fly lure for third place.

Caught on 1st Day

Kozak's crappie was caught on the first day of the contest, April 1. It weighed one pound 14¾ ounces. Nobody could beat that catch for the remainder of the contest period.

Walter Blind came close, placing second and winning a spinning rod with a one pound 12¼ ounce crappie, caught at Six Mile Island. Woodrow Jones was third in the division with a one pound, 11¾ ounce catch.

Harry Harding won the bass division with a four pound, four ounce catch. Rogier was second and Orville Sandbach was third.

Bunting's bluegill leader was followed by Schoeneweis' catch. Only ½ ounce separated the two fish. Bill Frizzell finished third with a 10 ounce bluegill.

Blind's second place grand prize fish gave him first place in the 60-day period, beating H. E. Hagemeier's catch by 10 ounces. M. A. Sullivan was third with a 14 ounce crappie.

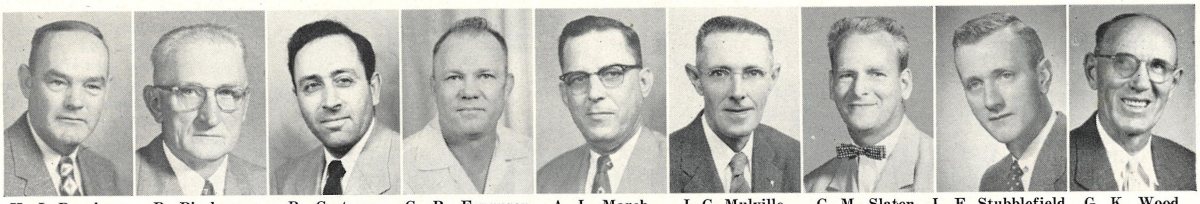
Thirty-six prizes were awarded in this year's contest, compared with 18 during the '55 contest. More than 400 fish passed from fisherman to judges, although only 142 were processed.

Doerr was ably assisted by contest judges Dave Patton, Buck Baumeister and Clarence Priest. Doerr tabbed the '56 contest as the "best ever" and looks for increased enthusiasm and participation next year.

October Service Anniversaries



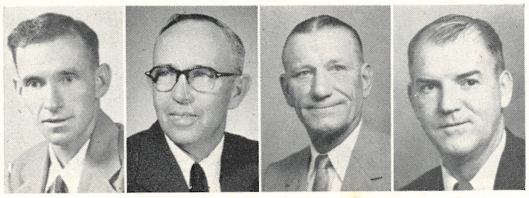
S. B. Kennedy, Power House, 30 Years
G. R. McMeen, Alkylation, 30 Years
L. F. Smith, Compounding, 30 Years
C. G. Talley, Control Laboratory, 25 Years
C. W. Pullen, Pipe, 25 Years
R. H. Snell, Labor, 25 Years
D. L. Unverzagt, Labor, 25 Years
C. A. Woodfall, Cracking, 20 Years



H. J. Barnhorn, Gas, 20 Years
R. Bierbaum, Machinist, 20 Years
P. Costanzo, Cracking, 20 Years
C. R. Ferguson, Compounding, 20 Years
A. L. March, Pipe, 20 Years
J. C. Mulville, Pipe, 20 Years
C. M. Slaten, Alkylation, 20 Years
L. E. Stubblefield, Treasury, 20 Years
G. K. Wood, Insulator, 20 Years

10 Years

H. L. Franzel, Eng. Office
T. J. Parker, Pipe
W. L. Freer, Distilling
A. H. Townzen, Paint
R. F. Maurer, Eng. Office
J. H. Warford, Paint
F. W. Millering, Pipe
A. L. Webb, Compounding
H. E. Woehler, Fire & Safety



G. C. Grange, Pipe, Retired
C. E. Provow, Pipe, Retired
R. Smith, Pipe, Retired
J. Thomson, Utilities, Retired

15 Years

H. M. Cleary, Cracking
J. E. Foster, Pipe
G. VanDoren, Pipe
M. R. Holliday, Eng. Office
C. B. Watson, Pipe

Two Bowling Loops Face First Place 'Dogfights'

Possible runaways in two leagues and tight battles in two other loops.

That's the way the Plant Bowling Leagues shape up as refinery keglers head well into the second month of the 1956-57 championship scraps.

Distilling has taken a four game lead over North Property Engineers and Stores in Golden Shell; Control Lab leads second place Fire and Safety by three lengths, but the rest of the field is far behind in Super Shell; Extraction Plant took first place away from Engineering Inspection in the nip-and-tuck Premium League; Plant Technicians and the Whiz Kids are fighting for first place in the X-100 League with the remainder of the teams apparently doomed to lower finishes.

GOLDEN SHELL

Distilling moved ahead by taking North Property Engineers two out of three in their last meeting. Ellsworth Speed, Eng. Office, has the high individual single, 216, followed by Stores' Herb Rink's 215. Clark Judd of Res. Ramblers has the top individual three-game total, 572. Billy Hill of Distilling is second with a 551.

Judd ranks tops in average with 175. Bob Benter, Eng. Mixups, follows with a 169 that is good enough for a second spot tie with Speed.

SUPER SHELL

Fire and Safety Department is second with 12 and 6. Both contenders won three games in their last outings to pull away from the rest. Gas Plant, Brick Masons and Boiler House are closest, all with even 9-9 marks.

George Perrin, Boiler House, has rolled the high single game, a 247. Lou Roller, Fire & Safety, is second with a 243 game. In the high three-game total, Leroy Langendorf of Gas Plant leads with a 609 series, followed by a 603 series by Pete Dochwat of Control Lab.

Ralph Niepert, Gas Plant, has the best average, 185. Tied for second are Dochwat and Carl Fors, both of Control Lab, with 178 averages.

PREMIUM LEAGUE

Extraction Plant climed into first place by beating Elect. & Mach. two out of three, dropping them into the fifth spot. Engineering Inspection skidded to a second place tie with Bulk Depot by losing two to the Reformers while Bulk won three.

Extraction has a 13-5, Eng. Inspection and Bulk have 11-7 and Reformers are fourth with a 10-8 mark. John McConnell, Eng. Inspection, leads single game highs with a 243. Charlie Briskey, Machinists, is second with 232.

Ken Zumwalt has the best three-game series with 669. McConnell is runnerup with a 632 total. McConnell also is tied for the best average, a 189. Ben Simon of Extraction also has a 189.

X-100 LEAGUE

Plant Tech. and Whiz Kids lead the field by a large margin. The Techs. are 4½ games in front of third place Cat. Crackers. Dispatching, Cracker Box, Tech. Dept., Control Lab and Research Lab follow in that order.

Tony Skrobul, Cat Crackers, leads the individual average shooters with 167 followed by Joe Nash of the Cat Crackers, with 164. Bob Klie of the Plant Tech. has shot the best three game series, 565. Skrobul is second with a 561.

Best single game shooters are Glenn Van Doren, Dispatching, with a 224 and 223 by Klie.

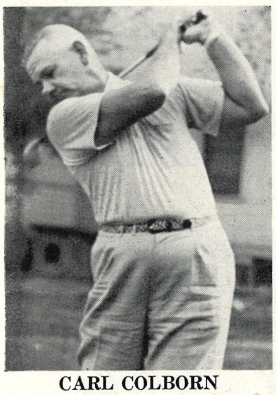
They're Leading Their League



MEMBERS OF THE DISTILLING bowling team that is leading the Golden Shell league in the plant loop are, left to right, Herschel Milligan, Almer Whittaker, Fred Kranz, Walt Weeks and Billy Hill. The Distillmen lead the league with 15 wins and 3 losses, four full games ahead of second place North Property Engineers, who have an 11-7 record. Other team members not present are Carl Brase, John Doherty, Pete Lange and Robert Sims.

Carl Colborn Takes Second in Amateur Play at LaFendrich

Carl Colborn, Alkylation operator who won the the SRA Golf Tourney's Championship Flight last month, has added another mark to his growing list of laurels.



CARL COLBORN

Competing in the medal play LaFendrich Memorial Open September 14, 15 and 16 in Evansville, Ind., Carl placed second in the 212-man Amateur division with a 54-hole total of 223, was 21st in the pro-am 36-hole battle and was a member of a four-man team that finished fourth.

This marked the third straight time Carl had entered the LaFendrich, but his '56 success was more pronounced than any of the previous years. Players from nine midwestern states were entered in the tourney, annually one of the biggest pro-am affairs in the Middle West.

Shell 2 Moves Up in Industrial

The Industrial League bowling race took on a "jammed up" look after seven weeks of competition. Only three full games separated first place International Shoe and sixth place Westerner, as of October 12.

Shell No. 2, on the wings of Joe Cronin's firewagon bowling, is in a second spot tie with Onized No. 2. Each team has an identical 13-8 record, one and one-half games behind pace setting International Shoe.

Shell No. 2 edged into a tie with Onized No. 2 by taking two out of three from them on October 11. Cronin, bowling with a 177 average, fired a 687 three-game total to help Shell to its victories. That was the season's high individual three-game total. It raised Cronin from "nowhere" into a tie for second position in individual averages with a 187.

Shell No. 1 remained in a seventh place tie for the third straight week. The Shellmen have a 9-12 record.

SPORTS

Distance Was 72 Miles

Bruns Wins Speedboat Marathon Racing Crown

With the approach of fall weather, most swimmers and water skiers have forsaken the lakes, rivers and pools for the comfort and enjoyment of a football stadium or a television set.

One water sport is still very much alive, however. It is speedboat racing. Chances are it will survive until the ice begins to form on the lakes and rivers.

The Wood River Refinery has at least one employee active in speedboat racing. He is George Bruns of St. Louis. Bruns, a laboratory assistant in Research for four years, won the Jolly Rogers Boat Club's 72-mile marathon trophy race from Alton to Hardin to Alton September 30 on the Illinois River.

Defeated Six Others

Bruns, racing in a 14-foot Racing Runabout, defeated six other boats in the Class D event. His boat, powered by a 40 horse power Mercury motor, sped over the distance in one and one-half hours, averaging close to 50 mph.

The race wasn't all gravy as far as George was concerned. Halfway back he ran into rough water, and while trying to ride over the crest of a wave, hit the surf hard and snapped a shear pin.

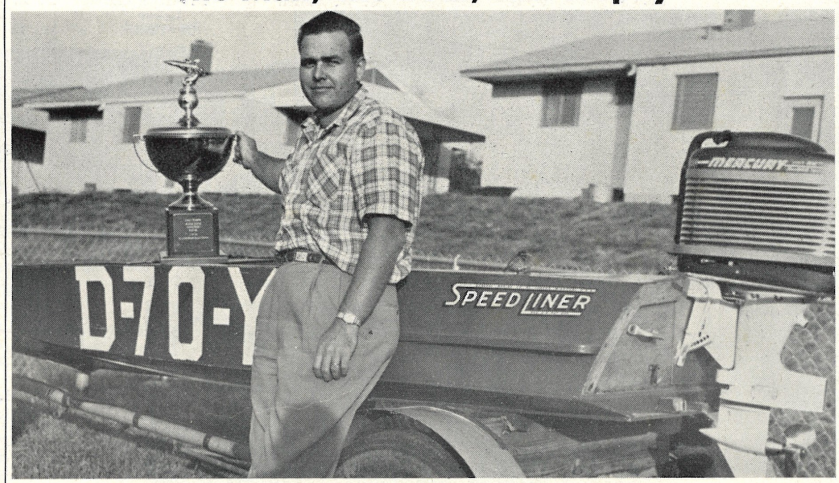
Calmly, and George stressed his calmness, he repaced the shear pin and sped after the second boat, who by this time had passed Bruns. He caught and passed the boat to win his first big race.

Married, Has 2 Boys

He is married, and he and his wife, Jackie, have two children, Steve and Bradley.

Bruns likes to tell about the first time he was going to enter a marathon race. It was the Winnebago Land Marathon in Fond du Lac, Wisc. in 1955. "I got up there too late to really get my boat in top-notch shape. The race was scheduled for Sunday, and on Saturday my boat was running good enough to enter. On Sunday, just prior to the start of the race, I couldn't even get the thing to start, so a long trip, time and money were wasted," related George.

The Man, The Boat, The Trophy



GEORGE (KENNY) BRUNS and the boat he piloted to the winners circle in the Jolly Rogers Marathon Race up the Illinois River. Bruns covered the 72-mile course-from Alton to Hardin to Alton in about one and one half hours, averaging close to 50 mph. Rough water and a lost shear pin slowed up Bruns' mph average. It was his first speedboat v ictory since he started racing in 1955.