



REVIEW

Vol. 24, No. 11

Wood River, Illinois

November, 1961

Record Donation Made to Charity

Wood River Refinery employees contributed \$21,508.20 to charity in the Refinery-wide United Fund campaign completed here late last month. The amount donated in the week-long fund raising drive stands as a new record for employee donations.

The old record was established in 1959, when employees contributed \$19,052 in an Employees' Charity Campaign. The amount contributed in the 1960 Employees' Charity Campaign, \$16,151.85, was far surpassed in this year's more successful drive.

The average contribution of the 2,509 Refinery employees contributing to the drive was about \$8.53 per person. Only 2,084 employees contributed to the charity drive last year, and the average contribution per person was \$7.75.

Nearly all operating departments and crafts reported better percentage of participation figures this year than last. Percentage participation figures for departments comprised entirely of Staff person-

nel remained at their usual high levels.

Excellent Examples

Excellent examples of the increase in participation were the Alkylation Department employees and the Painters. Both groups reported 100 per cent participation this year. The Alkylation Department was the only operating department in the Refinery to report such a participation percentage, and the Painters the only craft. Last year, a percentage participation figure of only 53 per cent was reported from the Alkylation Department employees, and the Painters reported only 74 per cent.

Many other operating departments and crafts reported sizeable increases in percentage of participation, but they didn't reach 100 per cent.

Six other departments reported percentage participation figures of 100 per cent. The Engineering Services Department was the first department in the Refinery to

(Continued on Page 2)

What's Inside?

Winners' Banquet — 1961
 A Page of Photographs Page 3
 United Fund Statistics
 How Well Did Your Department Or Craft Participate?
 See the Chart on Page 2
 Questions and Answers About the Oil Industry Page 2
 Weekend Float Trip
 Research Employees Drift in the Current.
 Story and Photographs Page 4
 Fishing Contest Winners
 Story and Photograph Page 6

Annual Christmas Party Is Dec. 14

The annual Christmas party for Wood River Refinery employees and members of their families will feature the finest in entertainment and the traditional visit by Santa Claus.

The annual party will be held Thursday evening, December 14, at the East Alton-Wood River Community High School Memorial Gymnasium. The entertainment begins at 6:30 o'clock, according to plans for the party which were completed late this month.

Russ David and his combo will

headline the entertainment, providing an hour-long concert before the actual program begins, and then providing the music for three stage acts, which are expected to be crowd pleasers.

The acts this year include "Lee and Rita," a comedy act which is presented while juggling and riding unicycles. There's a "Surprise" portion to this act, according to advance billing. It'll be particularly enjoyable to the many youngsters who will attend.

The second act of the evening will be the "Farrell Sisters," who dance while playing accordions. The third act will be the "Dolins and Raya Sisters," choreographic dancers who use a "bit of magic" to please their audiences. The dancers go flying through the air in slow motion.

Santa Claus will then climax the evening by appearing on stage for a few words to all, and then visits with Shell children, who will receive the traditional candy and oranges as they leave the building.

Russ David and his combo have become favorites of Shell people, making numerous appearances before them in recent years at service recognition dinners and at last year's Christmas party. Joe Schirmer, the talented and famous banjo and guitar player-member of his combo, will play some of his special numbers during the concert-portion of the program.



RUSS DAVID

Alkylation Department Changes ---

Guthrie to New York, Buck New Manager

F. A. M. (Mack) Buck has been named Manager of Wood River Refinery's Alkylation Department, succeeding Hugh D. Guthrie, who is transferring to Shell's Head Office Marketing Organization in New York, according to a recent announcement by Refinery Manager P. J. Merkus.

The changes became effective November 27, according to the announcement.

In Head Office, Guthrie assumed duties as Assistant to the Manager of the Products Availability and Economics Department. He had served as Manager of the Alkylation Department here since January 1, 1960. Buck had served as Assistant Manager of the department for the same length of time.

Guthrie, a native of South Dakota, was graduated from the State University of Iowa in 1943, with a degree in chemical engineering. He joined Shell Development Com-

pany at the Wilmington, Calif., Laboratory after graduation, and also served Shell Development at Emeryville, Calif., before transferring to Wood River in September 1952, as a Technologist in the Technological Department.

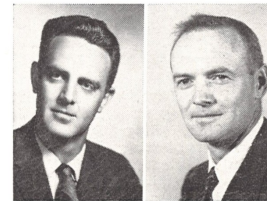
After service here in the Technological, Lubricating Oils and Gas Departments, he became Assistant Manager of the Catalytic Cracking Department and was serving in that capacity when he moved to Head Office as a Senior Technologist in November, 1956. He work-

ed there in the office of the Executive Vice President, and then transferred to the Economics Groups of the Operations Department where he served until his return to Wood River in 1960.

Native of Canada

Buck is a native of Canada. He holds a doctor's degree in physical chemistry from Purdue University, and joined Shell in 1949, as a Technologist in the Research Laboratory at the Wilmington Refinery. He also served in various positions at the Martinez, Calif., Refinery Research organization.

In October, 1954, he was sent on foreign assignment to Chester England, and returned in January, 1956, to Manufacturing Research in Head Office. He came to Wood River in August, 1957, and was named Assistant Manager of the Light Oil Treating Department in 1958. He transferred to the Alkylation Department in the same capacity in January, 1960.



BUCK

GUTHRIE

Pens Awarded Employees For Safety Record

Wood River Refinery employees recently received inscribed Parker pens through the mail for their part in accumulating more than one million safe manhours in a 71-day accident-free working period.

The safe working record began on August 30, and the million safe manhour mark was reached on October 21. The safe working record continued until November 8, when it was terminated by a disabling injury.

The Refinery safety record for 1961 is considerably improved over that of 1960, according to Fire and Safety Department officials. Employees are urged to continue their safe working habits and further improve upon the record.

Large Turnout Is Expected For SRA Nomination Dance

Shell Recreation Association members are expected to crowd the Collinsville Park Ballroom to capacity Friday night, December 8, for the SRA's Nomination Dance.

A total of 824 members and wives, husbands or dates attended the annual dance there last year, and the number attending has been increasing yearly for several years.

A highlight of the evening at this year's dance will be the report of a nominating committee of nominees for the SRA Board of Governors. The committee will announce several nominees for the board positions, all of which will be vacant at the end of the year, and also will accept nominations from the floor.

Serving on the nominating committee are Board members J. A. Hmurovich, chairman, John Martin, George Archibald, Clarence Butler, Ralph Niepert and Quentin Nungesser.

Dance Begins at 9

The dance will begin at 9 p. m., and continue until 1 a. m. SRA officers have arranged for the continuous serving of food during the evening. The food will include sandwiches and all the trimmings, as in the past. Nine lucky SRA members will carry home turkeys from the dance.

Tickets, at \$1 per couple, are available from all members of the SRA Board of Governors, and are for sale to SRA members only.



A SIGN OF SUCCESS is held by these leaders of Wood River Refinery's United Fund drive. Employees contributed more than \$21,000 to charity in the week-long campaign. From the left are steering committee members D. D. Dickinson, Personnel and Industrial Relations Department; W. T. Murray, Engineering Field Department, representing the Oil Workers' Council; R. A. Randels, Manager, Fire and Safety Department and chairman of steering committee; D. J. Grieve, Refinery Laboratory, representative of International Union of Operating Engineers; D. J. Hambleton, Engineering Field and representative of International Association of Machinists.



AFFECTING YOU AND SHELL

Q. What is the oil industry's position on the conservation of wildlife and other natural resources?

A. The oil industry has long supported the principle of intelligent and proper use of the nation's natural resources. Accordingly, the industry has made a practice of conducting its operations in a manner that will preserve wildlife, recreational and scenic values.

From experience, the industry has found that this can be done successfully — that oil and wildlife can readily coexist side by side.

In a statement of policy on conservation of natural resources and wildlife, the American Petroleum Institute has voiced its support for "multiple use of publicly-owned lands" where two or more useful functions may be carried on compatibly.

"This policy," the API states, "will provide the greatest benefit to the greatest number of people."

Exploration for and development of petroleum reserves, when properly conducted, are fully compatible with other uses of public lands, including recreation, wildlife preservation, and water management."

The "Wilderness Bill" (S-174) now pending in Congress would authorize the President to bar commercial development, including oil exploration and production, on specific land areas of the nation.

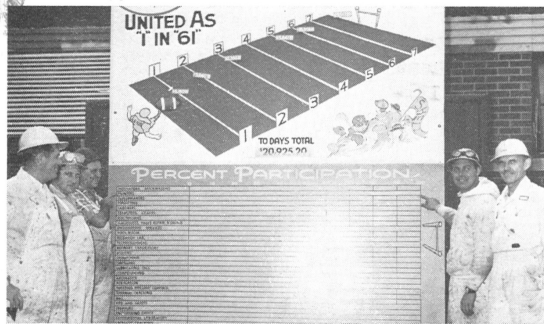
The API recognizes the responsibility of the Executive Department of the Government to make recommendations relating to the withdrawal of land from public use or to otherwise restrict its multiple use.

However, since the withdrawal of land is of such wide national concern, the API supports the principle "that only Congress, by affirmative action, has the power to so withdraw large areas of land from multiple use."

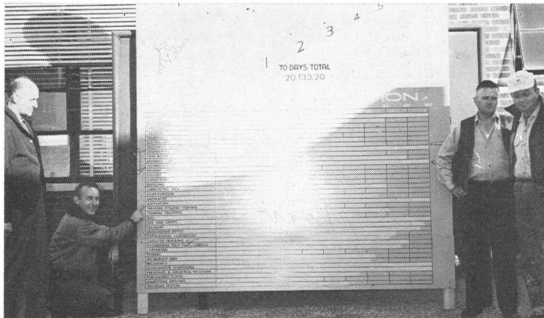
Such action, the API states, "should be taken only after full and open hearings where recognition shall have been given to the nation's defense requirements and the necessity of balancing recreation, wildlife and economic interests."

In short, the oil industry believes that such questions concerning the preservation of wildlife, recreational and scenic values must also be judged, by Congress, in the light of the nation's economic and defense needs.

Refinery's Top Donors



100 PER CENTERS are shown here in front of the scoreboard for the Wood River Refinery United Fund drive. The Painters were the only Refinery craft to achieve 100 per cent participation in the drive. Representing the Painters in this photograph are (from the left) Jerome J. Juda, Richard H. Horbelt, Ernest E. Benecke, Darrel D. Griggs and Elmer L. Milford.



ALKYLATION EMPLOYEES were another 100 per cent group, and the only 100 per cent participating operating department in the Refinery. Representing Alkylation employees in the above photograph are Paul Hofmeier, Dale Ball, Carroll Barton and Don Williams.



December

Tuesday, December 5—Shell Club dinner meeting, 6:30 p.m., Wood River Knights of Columbus Hall, 101 Whitelaw Avenue, Wood River.

Friday, December 8 — Shell Recreation Association nomination dance, 9 p.m. to 1 a.m., Collinsville Park Ballroom, Collinsville.

Saturday, December 9 — Research Lab Club Christmas party, 9 p.m. to 1 a.m., Hotel Stratford, Alton.

Thursday, December 14—Shell Christmas party for employees and their families, 7:30 p.m., East Alton-Wood River Community High School Memorial Gymnasium.

January

Tuesday, January 16 — Shell Club dinner meeting, 6:30 p.m., Wood River Knights of Columbus Hall.

Havely Transferred To Head Office Post

T. W. Havely, formerly of Wood River Refinery's Research Laboratory, has been transferred from the Houston Refinery to Shell's Head Office in New York City.

Havely, who was Assistant Chief Research Engineer when at Wood River, transferred to Houston in July 1960, where he has been serving as Assistant Manager of the Catalytic Cracking Department. In Head Office, he will be assigned to the Products Application Division.

Emeryville Scientists Develop New Octane Raising Process

Scientists at Shell Development Company's Emeryville Research Center have developed an improved process for increasing the octane number of motor gasolines.

The improvement has been made in the pentane isomerization process, which converts pentane, a component of gasoline, to isopentane. Isopentane can be used to increase the octane number of motor gasolines beyond present levels and to obtain a greater yield of high octane gasoline from the same amount of crude.

Shell's Improved Pentane Isomerization Process will be available for license from Shell Development's Licensing Division in New York.

The improved process uses a new reactor design, previously successful in butane isomerization, which converts butane to isobutane. Isobutane is used in manufacture of alkylate, a component of aviation gasoline.

The improved process yields 75 per cent isopentane product. This compares with the 50 to 60 per cent which can be produced by existing processes, such as hydroisomerization. This means that the high fractionation costs normally associated with pentane isomerization will be substantially reduced and in some cases eliminated.

It is expected that Shell's improved isopentane process will stimulate new interest in upgrading the lighter components of gasoline, such as pentane, as a means of increasing the octane number of motor gasolines. Heretofore, oil companies generally have concentrated on upgrading the heavier components of gasoline, using such processes as catalytic reforming.

Walker Named Superintendent at Houston Refinery

M. P. L. Love, Vice President Manufacturing, announces that J. B. St. Clair, Refinery Superintendent, Houston Refinery, has accepted an important assignment with the Central Offices of Shell International Petroleum Company Limited. The assignment will be effective prior to January 1, 1962.

H. E. Walker, Assistant Manager, Head Office Manufacturing Technological Department, will succeed Mr. St. Clair as Refinery Superintendent, Houston Refinery. Mr. Walker's replacement will be announced later.

United Fund

(Continued From Page 1)

reach that goal. Others with 100 per cent participation were Economics and Scheduling, Fire and Safety, Personnel and Industrial Relations, Technological and Treasury departments.

Other Leaders

A number of departments and crafts reported better than 90 per cent participation of employees. They included the Carpenters, with 91 per cent; Engineering Field Department supervisory and clerical personnel with 98 per cent; the Engineering Office Department, 95 per cent; Experimental Laboratory, 97 per cent; and Research Laboratory, 91 per cent.

The overall percentage of participation figure of 77 per cent is not quite equal to the 79 per cent reported in the 1959 drive, but it far surpasses the 57 per cent reported last year.

The bulk of the amount contributed this year will go to the Alton-Wood River United Fund organization, which will receive more than \$17,000. Charitable agencies at Edwardsville will receive about \$2,600. The rest of the funds raised will go to charity agencies in numerous other area communities where Refinery employees reside, since employees again this year were able to designate their home communities as recipients of their contributions.

"The \$21,508 that was donated is an outstanding accomplishment and an example of what people can do when they are truly 'United' for a common cause," steering committee officers stated. "As campaign chairman and members of the Refinery's United Fund steering committee, we would like to take this opportunity to thank each of you for your fine cooperation during the recent campaign."

United Fund Statistics

Total Contributed and Pledged	\$21,508.20
Number of Contributors	2,509
Average Contribution	\$8.53
Percentage of Participation	77

Department or Craft	1960 Percentage	1961 Percentage
Alkylation Department	53	100
Aromatics Department	64	82
Boilermakers	45	82
Carpenters	72	91
Compounding Department	50	61
Cracking Departments	62	88
Dispatching Department	46	67
Distilling Department	45	67
Economics and Scheduling Department	100	100
Electricians	34	75
Engineering Field Department (Supervision, Clerical)	87	98
Engineering Office Department	97	95
Engineering Services Department	100	100
Experimental Laboratory	100	97
Fire and Safety Department	96	100
Garage Mechanics	27	72
Gas Department	57	69
Instrument Men	45	70
Insulators and Brickmasons	21	75
Laborers	27	64
Lubricating Oils Department	68	85
Machinists, Valve Repairemen and Blacksmiths	37	73
Painters	74	100
Personnel and Industrial Relations Department	100	100
Pipefitters	32	65
Purchasing-Stores Department	73	71
Railroad Section	55	67
Refinery Laboratory	42	54
Research Laboratory	89	91
Teamsters-Cranes	46	60
Technological Departments	100	100
Tinners	26	32
Tool Room	47	71
Treasury Department	93	100
Treating-Effluent Control Department	77	58
Utilities Department	52	69
Marketing — Pipe Lines	30	53



Shell Review

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

W. F. OSTERLOH

Editor

Reporters

Operating Departments	F. E. Zapf
Research Laboratory	J. A. Bowman
Safety	E. B. Wiley
Engineering Field Office	C. L. Baker
Purchasing-Stores	Brenda Langer

Address Communications to Editor, Shell Review, Box 262, Wood River, Illinois. Phone 863



MANY SCENES of the SRA Winners' Banquet were recorded on film this year. Size is sacrificed for sake of number in the above layout, and the sequence is from top of bottom instead of the usual left to right. In the upper left corner are several of the trophies awarded during the evening. Below that, Andrew Corsere, Engineering Field Department, is shown fixing his badge on his coat. Next, Clarence Butler, Engineering Field, and V. J. McCoy, Gas Department, members of the SRA Board of Governors, discuss things at the registration table. Agnes Menzie of the Shell Ladies' Bowling League championship team is shown registering as McCoy watches. Greeting the speaker of the evening was the pleasure of Harold E. Ufert and Joe A. Hmurovich, both Engineering Field employees, and SRA officers, shown at bottom left flanking Hal Smith of the St. Louis Cardinals. At top in the second row are four Treasury Department People, Stan Donahoe, Marilyn Teakert, Manager D. L. Severe and Bettie Augustine. Next are Hmurovich and Smith, waiting to be served. Next are some of the winners, wait-

ing for the banquet to start, and winners of women's activities are shown in the next scene, and at the bottom is still another table scene. The top picture in the third row shows three winners of events in the Shell Camera Club. From the left, they are James I. Smith, Aromatics Department; Mrs. Vera Gibson, wife of Charles W. Gibson, Engineering Services Department; and Orville J. Abernathy, Engineering Field. Bridge Club winners shown with their trophies are (from the left) Mrs. Pete Chiste, wife of Pete Chiste, Thermal Cracking Department; and Mr. and Mrs. R. A. Randels. Randels is Manager of the Refinery's Fire and Safety Department. SRA Officer Hmurovich is shown next presenting a trophy to Mrs. Mary Kleinhenz, wife of L. A. Kleinhenz, Technological Department. She was winner of an SRA-sponsored table tennis tourney held in September. Judy Vinovich, Engineering Services, SRA secretary, presents a trophy to C. W. Barnett, Refinery Laboratory, captain of Shell's championship entry in the Industrial Golf League. At the top in the last row are winners

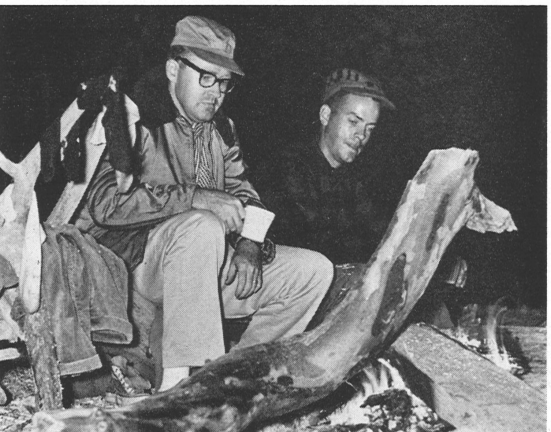
of the SRA golf tourney. From the left are Walter Hausman, Aromatics, "D" flight winner; T. F. Leeds, Manager, Lubricating Oils Department, "C" flight winner; Warren Saunders, Manager, Gas Department, winner in the championship flight; Howard Bratches, Personnel and Industrial Relations Department, "A" flight winner; and Howard Huber, Engineering Field, "B" flight winner. Winners in SRA Ladies' Golf are (from the left) Margaret Stroud and Bettie Augustine, Treasury Department; and Ruth Holliday, Engineering. Joe Schillinger, Refinery Laboratory, and Jess Grover, Engineering Field, were repeat winners of the SRA horseshoe pitching tourney. SRA bowling tourney winners receiving trophies are Bert Strebler, Pete Dochwat and Morris Clayton, Refinery Laboratory; Hmurovich in the background; Lou Purdy, Alkylation Department; Dale Miller, Refinery Laboratory; and Ufert. In the last scene, Ufert is shown dismissing the crowd. Frank Carroll, Engineering Field, and Gene Lawson, Research Laboratory, SRA officers, are in the foreground.



STEERING THE BOAT, Research Laboratory Chemist Berger is shown here at the paddle, behind a mound of camping gear. The paddle was used only to steer the boat, for the swift current provided the necessary propulsion in most places on the 16 mile float trip.



CAVE SPRING on the scenic Current River is seen from the "inside" in this photograph. It is accessible only by boat, and Wood River Research Laboratory employees Jerry E. Berger and Orville E. Brown paddled their "john boat" into the cave to take this unusual shot of the opposite bank in the colorful Missouri Ozarks country. The spring, far beneath the surface of the water inside the cave, pours 30 to 35 million gallons of water into the Current River daily.



RESTING BESIDE THEIR CAMPFIRE, Brown (at left) and Berger enjoy a cup of coffee before turning in for the night. The clothes drying at left were soaked when they waded through rapids their boat wouldn't navigate on the first day of the trip. Their campsite shown in the above photograph was on an island in the Current River.

Research Employees Enjoy 'A Weekend in the Current'

Missouri's Current River country, famous for its natural beauty and near inaccessibility, and in the news recently as the result of a dispute over a proposal to establish a national park in the area, was the scene of a recent weekend "float" trip by two Wood River Refinery employees.

Jerry E. Berger, Research Chemist, and Orville E. Brown, Lab Technician, both of Research Laboratory, put their "john boat" in the Current River at Akers, Mo., and enjoyed a leisurely trip downriver to Round Spring State Park. Paddles were used only to steer the boat, for the current provided the necessary propulsion in most places.

Drifting with the current or wading through rapids, they covered 16 miles of territory accessible only by boat, and saw acres of colorful Missouri Ozark countryside at its scenic fall best.

They camped on an island in the river on the one "overnight" stop on their trip, and then pushed off again the next morning for the remainder of the voyage. They were met at Round Spring State Park for the automobile trip home.

One extremely interesting point visited during the two-day trip was Cave Spring, which feeds 30 to 35 million gallons of water into the river daily. They paddled their boat into the cave, which can be reached in no other way.

Shell Third Quarter Income Is Down Compared to Same Period Last Year

Shell Oil Company announces that consolidated net income for the third quarter of 1961 amounted to \$33,330,622, or \$.55 a share, which compares with \$34,995,665 or

\$.58 a share, for the third quarter of 1960.

Consolidated net income for the first nine months of 1961 was \$103,013,810, or \$1.70 a share, which compares with \$104,307,706, or \$1.72 a share, for the same period in 1960.

An increase of five per cent in sales volume of refined products for the third quarter of 1961 over the corresponding 1960 period was offset by lower product prices, caused primarily by gasoline price wars which have increased in severity throughout the country.

Shell's net crude oil production averaged 321,000 barrels per day during the third quarter of 1961, an increase of 4,000 barrels per day over the like 1960 period. Production from new wells in Louisiana was partially offset by decreased allowables in that state.

E. W. Reiley Is Transferred to Houston Position

E. W. Reiley Jr., formerly Manager of the Alkylation Department at Wood River Refinery, is transferring December 1, from Head Office to the Houston Refinery, where he will assume the duties of Process Superintendent, according to an announcement by M. P. L. Love, Vice President, Manufacturing.

Reiley, who left Wood River in January, 1960, has been serving in Head Office as Manager, Administrative Services Department.

He is being succeeded in the Head Office position by A. G. Smith, who has been serving as Assistant to General Manager - Technical Departments.

Stores Party

A stag party for employees of Wood River Refinery's Purchasing-Stores Department was held at the Alton-Wood River Sportsmen's Club in Godfrey on September 12. Twenty-eight employees attended.



Mr. and Mrs. Donald E. Smith, a daughter, **Barbara Diane**. Smith is a Clerk in the Engineering Field Department.

Mr. and Mrs. Glen T. Soucy, a son, **Scott**. Soucy is a Machine Operator, Treasury Department.

Mr. and Mrs. N. L. McCadden, a daughter, **Sarah Jane**. McCadden is a Gateman in the Fire and Safety Department.

Mr. and Mrs. R. C. Imhoff, a son, **Phillip John**. Imhoff is a Technologist in the Technological Department.

Mr. and Mrs. Ernest J. Blair, a daughter, **Carol Lynn**. Blair is a Zone Foreman in the Engineering Field Department.

Mr. and Mrs. R. H. Horbelt, a daughter, **Judith Ann**. Horbelt is a Painter 1st in the Engineering Field Department.

Mr. and Mrs. Walter Hausman, a son, **Jeffery**. Hausman is an Operator 1st in the Aromatics Department.

Mr. and Mrs. D. C. Landholt, a daughter, **Janet Lee**. Landholt is an Accountant in the Treasury Department.

Mr. and Mrs. J. M. Braus, a daughter, **Paula**. Braus is a Technologist in the Aromatics Department.

Mr. and Mrs. J. C. Ruhl, twins, a son, **Michael Alan**, and a daughter, **Karen Sue**. Ruhl is a Yardman in the Engineering Field Department.

Mr. and Mrs. J. G. Chappell, a son, **Ricky Alan**. Chappell is an Apprentice Electrician, 2nd Year, Engineering Field Department.

Mr. and Mrs. Arnold G. Franke, a daughter, **Jenny Jo**. Franke is an Analyst in the Personnel and Industrial Relations Department.

Shell Fertilizer Is Fire Fighting Weapon

A fertilizer made by Shell Chemical Company is proving to be a potentially powerful weapon against forest fires in large-scale field tests being conducted by the U. S. and State Forest Service in California.

The fertilizer, diammonium phosphate, has been used for years both to feed crops and as a fire retardant in paper match stock and insulating materials. In its new role as a forest fire fighter, it is mixed with water and a thickening material, which binds the compound and helps it adhere to foliage, and is then either dropped from airplanes or sprayed from ground tanks. The result: A coating that covers grass, brush and trees, and abruptly stops the advance of a fire by preventing the foliage from igniting.

This method was used to stop a brush fire deliberately set by federal, state and county foresters during a recent test conducted near Ramona, Calif.

Shell Chemical Company already has proved the apparent effectiveness of diammonium phosphate as a firefighter on wind-fanned dry grass and brush in Madera County, Calif. Attempts to fire a treated area with a kerosene torch failed.

See Possibilities

Forestry officials see the possibility of coating foliage in a fire-stopping circle around forest recreation areas, as well as using the mixture to form a fireproof wall in front of advancing fires.

Similar barriers can be put around homes, farm buildings and fields, according to Robert L. Stier, Sales Development Supervisor of Shell Chemical Company's Ammonia Division.

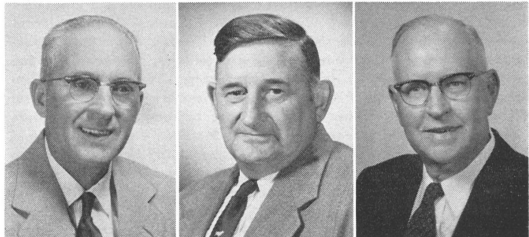
Early experiments indicate that a single spraying will last through an entire fire season and that the

fertilizer completely eliminates a side effect of borate, one of the chemicals now used on forest fires. Borates sterilize the soil and have caused erosion problems in some areas. The fertilizer-frosting, on the other hand, will feed new growth when it is finally washed down into the soil by heavy rain.



FERTILIZER made by Shell Chemical Company is proving to be a powerful weapon against forest fires. In the above photograph, an airplane drops diammonium phosphate solution and thickening agents on a section of California bush land to test compound's effectiveness.

Retirements

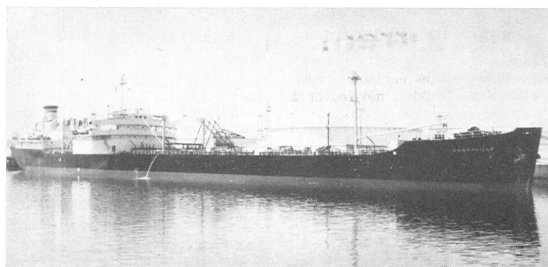


H. L. Lorch
Eng. Field

L. P. Noeltner
Eng. Field

R. W. Puetz
Eng. Field

'Jumboized' Tankers Carry Shell Products



"JUMBOIZED" TANKERS such as the "Perryville," pictured above, soon will be calling at Shell coastal terminals and refinery docks as a result of a long-term contract arrangements concluded recently. Two such tankers began service this fall, and two more tankers are expected to be put into operation next summer.

Shell recently concluded new contract arrangements providing for the use of larger tankers to transport products from Shell refineries to terminals. The new ships will effect substantial savings for Shell because they provide lower transportation costs per barrel carried.

Two 23,900-ton "jumboized" T-2 tankers, "Tullahoma" and "Perryville," operated by Keystone Shipping Company, start service for Shell on the East Coast this fall. They will replace two 20,000-ton ships, "Gaines Mill" and "Mill Spring," which will be transferred to Shell's West Coast contract transportation service. The "Tullahoma" and "Perryville" have a gasoline carrying capacity of about 200,000 barrels as compared with the 160,000 barrel capacity of the "Gaines Mill" and "Mill Spring."

Next summer, two 25,000-ton jumboized T-2's, the "Caribbean" and the "La Brea Hills," will be substituted for three 16,500-ton Trinidad Corporation T-2's now in Shell's contract service on the Gulf-Atlantic Coast run. The "Caribbean" and the "La Brea Hills" have a gasoline capacity of about 211,000 barrels. The older-type T-2 tankers have a gasoline capacity of approximately 138,000 barrels.

A T-2 tanker is jumboized by cutting away the bow and stern from the old tank section and joining them to a larger, new tank section. This rebuilding method produces, in effect, a new vessel at a large savings over new construction.

To accommodate the larger vessels, terminal improvements are planned at several East Coast ports where the tankers will call.



SHELL'S INDUSTRIAL GOLF CHAMPIONS are pictured here with their trophy, presented at the SRA Winners' Banquet in Granite City early this month. From the left are George Lawler, Refinery Laboratory; Warren Saunders, Gas Department; Bill Malson, Research Laboratory; Fred Foster, Technological Department; C. W. Barnett, Garol Brokaw and Hobart Turley, Refinery Laboratory; Jim Fallon, Engineering Office; and Jack Eubanks, Treasury.

Shell Club to Hear Naval Historian

Commander Robert W. Murch, USNR, an authority on U.S. Naval history, will be guest speaker at the December meeting of Wood River Refinery's Shell Club.

Commander Murch is expected

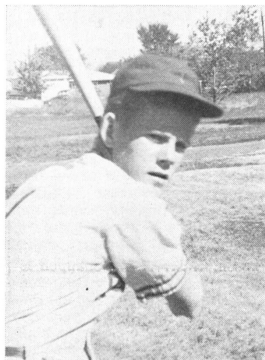
to discuss events preceding and succeeding the Japanese attack on Pearl Harbor, December 7, 1941. His address to the Shell Club will have particular significance in that it will come two days before the 20th anniversary of that historic date.

The meeting will be held at the Knights of Columbus Hall in Wood River. A social hour is scheduled for 6:30 p.m.

Commander Murch is commanding officer of Naval Reserve Officer School 9-7 in St. Louis. A 1942 graduate of the U. S. Naval Academy at Annapolis, Murch has made a detailed study of events revolving about the attack on Pearl Harbor, and through his naval capacity, has had access to official records of those events, making the talk much more authoritative than the ordinary.

Little Leaguer;

Big Average



A YOUNG SLUGGER in the Roxana Little League baseball program is David Bryant, son of Earl Bryant, Engineering Field Department. Shortstop and pitcher for the Tigers, managed by his father, the 15-year-old youth posted a .531 league batting average.

Time Changed for TV Concerts

A new schedule utilizing prime evening time on the nationwide CBS Network has been announced for the Shell-sponsored telecasts of this season's Young People's Concerts.

The hour-long Young People's Concerts, featuring the New York Philharmonic under the direction of Leonard Bernstein, will be televised on four weekday evenings: December 1, January 18, March 26, and April 12.

Hours for the telecasts are 7:30 p. m. in the Eastern Time Zone, 6:30 p. m. in the Central Zone, 5:30 p. m. Mountain Time, and 7:30 p. m. on the Pacific Coast.

The programs were previously scheduled to be presented on four Sunday afternoons.

The opening show on December 1 is titled "What Is Impressionism?" It will deal with the French impressionists, featuring selections from Debussy and Ravel.



RECEIVING AN AWARD for outstanding achievement is Gene Crouch, at left, of Wood River Refinery's Compounding Department, a Specialist Fourth Class in the U. S. Army Reserve. Crouch was one of 74 Illinois Army Reservists and National Guardsmen receiving achievement awards October 14 in the CHICAGO TRIBUNE awards ceremony. Presenting the award is John H. Thompson, TRIBUNE military editor. (U. S. Army Photograph.)

Shell Bridge Club Tourney Winners Are Named

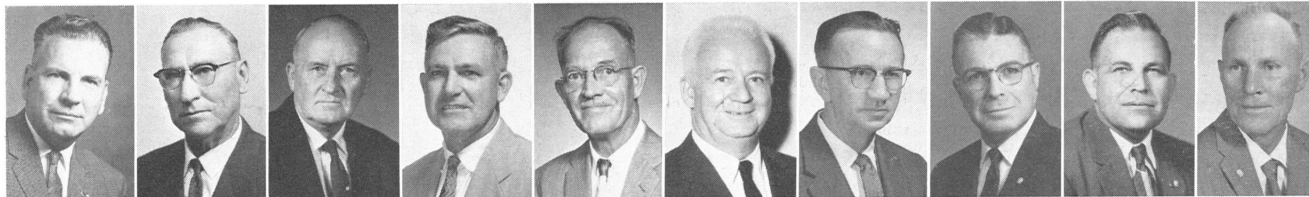
The Shell team-of-four bridge tournament was won by Mr. and Mrs. Pete Chiste and Mr. and Mrs. R. A. Randels, Runners-up were Mr. and Mrs. L. A. Kleinhenz and Mr. and Mrs. V. W. LaMarsh.

A club championship game scheduled for November 27 was open to all Shell personnel. A traveling trophy was to be awarded to the pair with the highest efficiency rating.

Service



Anniversaries



D. M. Boren
Aromatics
35 Years

E. Hagen
Dispatching
35 Years

A. Hock
Dispatching
35 Years

R. A. Neuhaus
T. Cracking
35 Years

W. G. Ringering
Eng. Field
35 Years

W. H. Chandler
Research Lab
30 Years

H. W. Gustine
Cat Cracking
30 Years

V. Vitaoe
Utilities
30 Years

R. K. Bush
Alkylation
25 Years

R. E. Tjaden
Eng. Field
25 Years

15 Years

- W. K. Connell Jr.
Dispatching
- W. R. Johnson
Compounding
- M. E. Kennedy
Eng. Field
- T. J. Parker
Eng. Field
- J. J. Skelly
Eng. Services



R. E. Anglin
Cat Cracking
20 Years

O. A. Hotiuz
Cat Cracking
20 Years

W. L. Howell
Eng. Field
20 Years

P. E. Morrissey
Tr.-Eff. Cont.
20 Years

N. V. Voyles
Research Lab
20 Years

10 Years

- F. T. Bierschenk
Eng. Field
- W. W. Clevenger
Eng. Field
- L. W. DeVasher
Eng. Field
- H. L. Duty
Eng. Field
- D. F. Fry
Eng. Field
- C. B. Hammond
Tr.-Eff. Cont.
- C. E. Heffner
Eng. Field
- A. Hinz Jr.
Eng. Field
- J. M. Jatcko
Refinery Lab
- A. M. Kline
Eng. Field
- E. L. Nave
Eng. Field
- W. M. Oettle
Eng. Field
- W. D. Saul
Eng. Field
- W. H. Schardan
Eng. Field
- M. L. Utecht
Eng. Field
- E. W. Wheeler
Eng. Field

The Sports Review



ADMIRING THEIR PRIZES for winning catches in the Shell Recreation Association's annual fishing contest are these three Refinery employees. From the left are Harry R. Hood, Engineering Field Department, winner of the bass division of the contest; A. J. Brabec, Lubricating Oils Department, winner in the crappie division; and Michael Levi, Engineering Field Department, winner in the bluegill division. Outboard motors were presented to the first place winners in an awards ceremony held at the Refinery Cafeteria October 28.

Fishing Contest Winners Are Honored for Their Catches

Nine Wood River Refinery employees were grand prize winners in the Shell Recreation Association's seventh annual fishing contest. They were awarded their prizes at a fish fry held Saturday night, October 28, in the Refinery Cafeteria.

Winning outboard motors for their catches were Harry R. Hood, Engineering Field Department; A. J. Brabec, Lubricating Oils Department; and Michael Levi, Engineering Field Department.

Hood won in the bass division with a six-pound, 15-ounce catch. Brabec was winner in the crappie division with a two-pound, nine-ounce fish, and Levi was winner in the bluegill division with a 15-ounce bass.

Second place winners, receiving casting reels, were W. E. Weiss, Fire and Safety Department, in the bass division; E. L. Schneider,

Distilling Department, in the crappie division; and J. H. Baumeister, Fire and Safety Department, in the bluegill division.

Receiving third place prizes of aluminum tackle boxes were U. E. Miller, Engineering Field Department, in the bass division; Roger Romani, son of Clayton Romani, Dispatching Department, in the crappie division; and Alva J. Ash, Engineering Field Department, in the bluegill division.

Third period winners in the contest also were honored at the gathering in the Cafeteria, attended by about 25 persons.

Plant Bowlers Rolling In Second Quarter

Second quarter pin action is under way in the five Refinery bowling leagues, after the Research Rejects, Dispatching, Odd Balls, Lab Cast-Offs and Treating teams won first quarter titles.

The Research Rejects won by a half point over the North Property Engineers in the Aero Shell League. Dispatching finished two points ahead of the Carpenters in the Premium League. In the Rotella League, the Odd Balls finished with a four point margin over the Electricians, and the Lab Cast-Offs finished with a two and a half point edge over the Pipefitters in the Super Shell League. Treating finished two points in front of Cat Cracking in the X-100 League.

Final standings for the first quarter are as follows:

AERO SHELL LEAGUE	
Team	Points
Research Rejects	21½
North Prop. Eng.	21
Distilling	16
Gas Plant	16
Cooling Water	15
Dispatching Gaugers	14½
The Drivers	12
P&IR	12

PREMIUM LEAGUE	
Team	Points
Dispatching	22
Carpenters	20
Refinery Lab No. 2	19
Research Rams	18
Cracker Box	15
Extraction	12
Pipefitters No. 3	12
Fire and Safety	10

ROTELLA LEAGUE	
Team	Points
Odd Balls	22
Electricians	18
Bulk Depot	17½
Tool Room	15
Mixers	13½
Budstaffs	10

SUPER SHELL LEAGUE	
Team	Points
Lab Cast-Offs	24
Pipefitters	21½
Research Relics	20½
Refinery Lab. No. 1	16½
Alky Plant	15
Boiler House	13½
Research Ramblers	13
Research Pilots	4

X-100 LEAGUE	
Team	Points
Treating	20
Cat Cracking	18
Dispatching Office	17
Engineers	16
Reformers	15
Technologists	15
Refinery Lab No. 3	14
Aromatics	13

Research Is First Quarter Winner in Ladies' Pin League

Research bowlers won the first quarter crown in the Shell Ladies' Bowling League, beating out the Ten Pins by a three-and-a-half game margin. The Skyrockets and Shell Mrs. tied for third and fourth places, and the Shellettes were fifth in the 10-team league.

The Shell Mrs. held the team high three game series score with 2,471 pins, followed by the Firecrackers with 2,356 and the Research team with 2,231. In the team high single game category, the Ten Pins have posted an 832 score, followed by the Shellettes with 814 and the Oillettes with 787.

In the individual high three game series category, Agnes Menzie of the Firecrackers leads the league with a 590 series. Ikie Booten of the Research team is second with 531 and Thelma Crews of the Skyrockets is third with 527.

Arlene Wharry of the Shell Mrs. is leading the league in the high single game scoring department with a 218, and Agnes McCoy of the Oillettes is running a close second with a 217 game. Alice Olds of the Shellettes is third with a 206 game.

In the individual high average department, Agnes Menzie is leading the league with a 176 pin average. Harriette Ballman of the Firecrackers and Marge Erzen of the Shellettes are tied for second and third place honors with averages of 158, and Ikie Booten is close behind with a 157 average.

The final standings of the first quarter are as follows:

Team	W	L
Research	20	7
Ten Pins	16½	10½
Skyrockets	16	11
Shell Mrs.	16	11
Shellettes	15	12
Shell Mixers	12½	14½
Activators	11½	15½
Firecrackers	11	15½
Oillettes	10	17
Refinery Lab Mrs.	9	18

Four Basketball Teams Tip Off 1961-62 Season

Four Refinery basketball teams tipped off the 1961-62 season Tuesday night, November 14, at the Roxana Community Center gymnasium. The 16-week schedule will extend through February, with all four teams seeing action in a doubleheader every Tuesday night.

Teams participating in the Shell Recreation Association sponsored activity this year are from Research Laboratory, the Laborers, Aromatics and Technological departments. The Laborers were league champions last year.

The season will be divided into halves, according to League Secretary V. T. Welch, Research Laboratory, with a play-off between the first and second half winners scheduled tentatively as a post-season attraction.

Don't Forget!

Christmas Party

December 14

Westerner Club Keglers Win First Quarter League Title

Second quarter pin action is well under way in the Industrial Bowling League, after Westerner Club bowlers captured the first quarter flag. Shell entries finished third and fifth in the eight-team league.

Shell No. 1 currently is tied for third and fourth places in the league, after finishing the first quarter in third position. Shell No. 2, which finished the first quarter in fifth place, is tied for sixth and seventh places so far in second quarter action.

Shell No. 1 is in second place in the league in the team high three game series category, boasting a total of 2,842 pins. Dave Patton of Shell No. 1 is ranked second in the individual high single game scoring race with a 256.

Earl McGinnis of Shell No. 1 is leading the league in the individual high average department with a 191 pin average. Patton is in a tie for sixth and seventh places in that category with an average of 185, and Jess Grover and Dick Downer, also of Shell No. 1, are tied with three other league bowlers for eighth, ninth, 10th, 11th and 12th places.

The standings after two weeks of action in the second quarter:

Team	W	L
Mold Shop	6	0
Machine Shop	5	1
Shell No. 1	4	2
Sinclair	4	2
Alton Box Board	3	3
Westerner Club	1	5
Shell No. 2	1	5
Onized Plant No. 7	0	6



"Go say something nice to Al about the fish he caught."



Shell's Best Bowlers

High Average
Dave Patton — Dispatching, Premium League, 203.
Earl McGinnis — Shell No. 1, Industrial League, 191.
Harold Manns — Odd Balls, Rotella League, 186.
High Three-Game Series
Reggie Boyd—Reformers, X-100 League, 707.
Dave Patton — Dispatching Premium League, 680.
Dick Downer — Dispatching, Premium League, 659.
High Single Game
Dick Downer — Dispatching, Premium League, 267.
Dave Patton — Dispatching, Premium League, 256.
Harold Manns — Odd Balls, Rotella League, and **W. J. Diestelhorst** — Treating, X-100 League, 253.

SHELL OIL COMPANY
 Wood River, Illinois
 Form 3547 Requested

Sec. 34.66 P.L.&R.
 U. S. POSTAGE
PAID
 Edwardsville, Ill.
 Permit No. 25

IS THIS CORRECT?
IF NOT, NOTIFY YOUR SUPERVISOR: