

Oil Progress to Be Cited Week Of October 9-15

Preliminary reports from the field leave no doubt that Oil Progress Week, celebrated this year on October 9-15, will be the most impressive of these annual observances to date, according to National Chairman W. R. Huber. Oil Progress Week is the high-point of the oil industry's year-round public relations program.

Thousands of scheduled events include speeches, civic and social luncheons, parades, movie showings, open-house programs, school programs and essay contests, television and radio programs and others.

TV Show to Launch Oil Progress Week

An hour-long television show, "1976", will touch off the eighth annual celebration of Oil Progress Week on Sunday, October 9. Sponsored by the oil industry, the show will give audiences a glimpse of how people will live 21 years from now on the 200th anniversary of the nation's birth. It will be telecast by NBC from 4:30 to 5:30 p.m. Eastern Daylight Saving Time. The show is a major feature in the many special activities planned for Oil Progress Week, in which thousands of oil companies and oil industry employees will participate. (In this area, "1976" can be viewed over Channel 5 at 2:30 p.m.)

Service stations, refineries, bulk plants, trucks and cars, and other facilities of the industry will be decorated with banners, posters, placards, all emphasizing that "Oil Serves You."

Bank Displays Here

In this area, Wood River Refinery is sponsoring three major displays in banks in Alton and Wood River. These include the First National Bank and Trust Company in Alton, The First National Bank of Wood River, and Alton Banking and Trust Company. The displays will all point up the importance of the oil industry in the nation's economy, and will highlight the refining aspect of the industry.

Movies will be shown in the Alton-Wood River area throughout the week. The American Petroleum Institute's newest movie, "Barrel Number One" will have its premiere showing during Oil Progress Week. In addition, other films from the Shell Film Library will be available for showings. Refinery employees here will receive a pamphlet entitled, "It's Your Story," briefly describing the important contribution of oilmen to the American way of life.

Activities Planned Locally

All Oil Progress Week activities will be sponsored on a local basis, planned, prepared, and carried out by local oilmen. Currently, there are more than 30,000 oilmen on Oil Industry Information Committees in their respective communities. During Oil Progress Week, additional manpower lent by oil companies swells this total by several thousands.

In observance of Oil Progress Week, H. S. M. Burns, President of Shell Oil Company, will present a special address before the Chicago Executive Club on October 14. Approximately 1,500 people are expected to hear Burns' speech. Mr. Burns is chairman of the Public Relations Committee of the American Petroleum Institute.

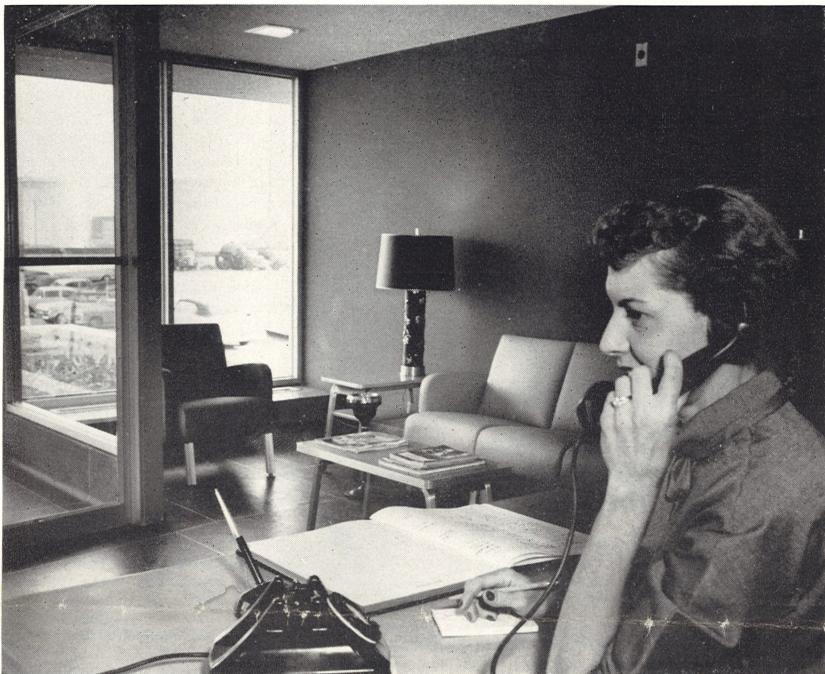
THE SHELL REVIEW

VOLUME 18 — NUMBER 9

WOOD RIVER, ILLINOIS

SEPTEMBER, 1955

Main Office Reception Room



Mrs. Margaret Middlecoff, Main Office receptionist, answers the phone in the new reception room of the Main Office Addition. Margaret's accustomed to answering telephones, since she has been Shell's congenial switchboard operator for the past nine years. With the completion of the Main Office Addition, Margaret will be moving into these new quarters soon. Additional pictures of the Addition are on page 4.

Garner Allows But Eight Hits in Two Playoff Games

Industrial Softballers Pull The Impossible and Win Title!

Most of the bench jockies said they couldn't do it. The two top teams in the league had already counted them out. But Shell's Industrial League softball team, paced by the superlative pitching of Bobby Garner, picked themselves up from obscurity and won the Industrial League Championship September 19 when they trounced Onized, 3-1. In a best-out-of-three series, the Shell boys made quick work of the first-half champs, defeating the Owens-Illinois team in the first game of the playoffs, 4-3.



Zumwalt
"He did it for us," said Manager Kenny Zumwalt. "No doubt about it," said burly catcher Red Cunningham. "He can really hum that pea." And the other boys chided in following their victory, "Nice going, Bob."

But the modest Garner, sensational as he is, would be the first one to point up the revitalized spirit, the will-to-win, the rugged determination that enveloped the team during the past two weeks. The boys wanted that championship in a bad way, and they fought like true champs to get it.

All of the members of the Industrial team were quick to praise Bob Garner, undefeated in Industrial ball this year, for the team's tremendous comeback.

It took some doing, to be sure. After ending up in third place in the first half, behind Owens and Sinclair, the Shell boys were counted out before the second half even started. But Garner joined the team for second-half operations, and it was a different story. They tied Sinclair for the last half of the season and they had to beat Cal Johns to become eligible for the play-offs. And they trimmed Johns and Sinclair September 12, 4-0, behind the four-hit pitching of Garner.

Then they met Owens on their home field, and won the first game of the play-offs on September 15, 4-3. This time Garner allowed five hits, and struck out 12 batters.

And when the second game rolled around, Shell was primed for victory. They hustled like schoolboys at recess in taking the crown, 3-1. Garner struck out eight Onized

hitters, and gave up three hits, one of them a bunt. He was tagged for a home run by Ridder, but settled down to pitch flawlessly for the remainder of the game.

Zumwalt Deserves Credit

Kenny Zumwalt has to be nominated for back-slapping honors along with Garner. His calculated play, his hits at the right time, his good judgement, and his desire to field a champion—all of these things make him an asset to any team. But the entire squad—Cunningham, Romani, Price, Shields, Davenport, Turley, Harold Ufer, Martin, Sandbach and others—have to be praised for their outstanding comeback when everyone said they were licked.

This team won't be forgotten for a long time.

Community Chest Drive Held Here During November

It was announced this month that the Annual Refinery Community Chest Drive will be held simultaneously with the 1955 drive in the greater Alton area, October 25 - November 22. Director of Research R. J. Greenshields has been appointed chairman of the drive at Wood River Refinery. The Community Chest has requested that the refinery employees raise a total of \$22,800, or an average of approximately \$6 per employee.



Greenshields
Greenshields has been appointed chairman of the drive at Wood River Refinery. The Community Chest has requested that the refinery employees raise a total of \$22,800, or an average of approximately \$6 per employee.

According to Greenshields, the refinery drive will probably concentrate on obtaining donations during the last two weeks in November. The chief goal, as in past years, will be to obtain 100 percent participation on the part of all refinery employees.

Solicitations will be held on a departmental basis, with a Chest representative to be appointed in each department. Assisting Greenshields on the drive will be J. D. Metcalfe, who will help coordinate the drive among departments.

The Community Chest quota for the Alton area has been established this year at \$228,000, or \$33,000 more than in 1954. The industrial goal is \$100,000, which includes contributions from all of the major industries in the vicinity.

Hester and Martin Hold First Places in Fishing Contest

The SRA-sponsored "Whopper Club" Fishing Contest, which has been in progress since May, is scheduled to close November 1. Although entries have been added in both Bass and Crappie divisions, W. R. Hester of the Stores Department and John Martin, Fire and Safety, are still in the lead in Bass and Crappie respectively.

Going into the final months of the contest, here is the way they stand:

BASS

1. W. R. Hester, Stores; 5 pounds, 1 ounce.
2. B. W. Malone, Research; 4 pounds, 11/2 ounces.
3. O. W. Bardelmeier, Comp.; 4 pounds, 9/4 ounces.
4. H. A. Langley, Automotive; 3 pounds, 14 ounces.
5. C. C. Mayfield, Research; 2 pounds, 14/2 ounces.

(Other entries include L. Peterson, Labor, 2 pounds, 13/4 ounces, and M. A. Sullivan, Cracking.)

CRAPPIE

1. John Martin, Fire and Safety; 1 pound, 4/2 ounces.
2. M. A. Sullivan, Cracking; 1 pound, 1/4 ounces.
3. J. M. Pile, Dispatching, 1 pound, 1 ounce.
4. M. A. Sullivan, Cracking; 15 ounces.
5. Open.

Promotions

Shell is a growing organization which provides many opportunities for advancement. Men and women of ability and ambition are great assets, and Shell naturally wants to reward them. Vacancies are filled from within the organization where possible.

Filter Plant Safety Record



In behalf of the American Petroleum Institute, H. D. Dale, Refinery Manager, presents the API Accident Prevention award to Lube Oils Manager C. W. Ryan in a ceremony which took place this month. The award was presented to the refinery's Filter Plant for establishing an outstanding safety record over a period of 18 years, 1937 - 1955 inclusive. During this period, Filter personnel work 1,038,054 man-hours without suffering a disabling injury. Left to right are, R. R. Yarnell, T. F. Leeds, R. P. Smith, W. C. Bluhm, A. E. Bayers, H. A. Smith, G. C. Cunningham, Ryan, A. C. Hogge, B. L. Brannan, Dale, A. Zuccolatto, J. R. Chandler, L. A. Lohman, R. W. Stoddard, and B. L. Tanner.

Cautious Driving Important with Children Back to School Again

Greater driving care than ever before will be needed this fall when children start back to school, says Carol Lane, noted travel authority and women's travel director of Shell Oil Company.

With an enrollment increase of one and a half million over last year, 32 million children will be going to grammar and high schools in the 1955-56 school year in the United States. A great many of them will be riding bicycles to and from school—the Bicycle Institute of America estimates 24 million children ride bicycles.

These children will be sharing the road with 58 million motor vehicles—nearly two million more than last year.

"It is shocking to realize," says Miss Lane, "that the biggest single killer of children aged 1 to 14 in the country is motor vehicle accidents." With more children going back to school this fall than ever before, and more bicycles and cars on the road, the greatest safety precautions must be taken while driving. This is especially true in school zones, near playgrounds and in residential areas.

Bicycle riders are supposed to observe the same rules as those that prevail for motorists. "But," says Miss Lane, "remember that children are children. It is up to the adult driver to assume the responsibility. Regard every child on a bicycle as a danger signal to slow down, drive with even more care."

Parents must do their part, too, by teaching children the elements of safe bicycle riding, and making sure that the bicycles are kept in perfect working condition.

Polio Payments Under I.P.I. Total \$110,000 in 4 Years

There were 153 Shell employees and dependents receiving benefits under the poliomyelitis coverage feature of Shell's Income Protection Insurance Plan in the four years 1951-54.

The main purpose of I.P.I. is to provide additional income during absences due to a non-occupational accident or sickness. Payments commence when an employee's full-pay benefits under the Disability Benefit Plan have been exhausted.

In 1950, poliomyelitis expense benefits were added to the Plan to give protection up to \$2,500 against polio expenses for insured employees and their dependents.

The I.P.I. experience on poliomyelitis showed that 37 employees and 116 dependents received benefits totaling more than \$110,000 in the four-year period.

One of the newest "supertankers" used to transport petroleum products is taller from truck to keel than a 12-story building and longer than two football fields.

Prevents Injury



CLAUDE McCLELLAND, Utilities Department employee, discovered the importance of a safety hat early in his Shell career.

McClelland, a Shell employee for only three months, recently prevented an accident because he was wearing a safety hat. McClelland was working at ground level near Boiler 14 when a two-by-four piece of lumber fell from a height of 25 feet. The piece of wood struck McClelland squarely on the safety hat, jarring his head, but not causing an injury.

McClelland, a former construction foreman, became acquainted with safety rules in his previous occupation, and has practiced safety at the refinery since his first day of employment.

A Million Dollar Rig

New Fixed Drilling Platform in Gulf Is Operating Off Louisiana Coast

Drilling is underway from Shell Oil Company's new fixed drilling platform which has been constructed three miles off the Louisiana Coast as part of the Company's intensive exploration efforts in the Gulf.

The decision to erect the installation—the first of its kind used by Shell—was taken because no mobile drilling equipment capable of operating in water depths of approximately 72 feet was available to Shell at the time this location was to be drilled.

Large Expenditure

Before spending about a million dollars to build the rig, Shell successfully bid \$2,225,000 for the privilege of drilling on 5,000 acres in Southwest Pass Block 42 where the site is located. These huge expenditures, plus the ever-present risk of not finding oil, were balanced, however, by the fact that good discoveries have been made in the vicinity of Southwest Pass Block 42. Nevertheless, if a discovery is made from the steel platform it will have to bring in substantial production to make the venture profitable.

Six wells can be drilled from the steel platform as it is now constructed without moving the derrick.

Firm Construction

The structure was prefabricated in six sections at Avondale, Louisiana, and barged to the site where construction began late last spring. Fifty-three steel piles were driven to a depth of 370 feet through the mud of the Gulf's floor to give the structure firm support.

The platform, 197 feet long and 82 feet wide, rises 45 feet above the water and the rig top is approximately 210 feet above the water. If and when development wells are completed, the platform will serve as a production unit, complete with tank batteries.

A two-story, air-conditioned metal building on the platform provides living quarters for the 25-man contract drilling crew.

Since 1946, the petroleum industry has added, on the average, one employee for each 20 barrels per day of increased production.

Shell Development Buys Three-Million Volt Atom-Smasher

A three-million-volt particle accelerator, the most powerful radiation source yet installed by industry, has been purchased by Shell Development Company and will be installed at the Emeryville Research Center in June, 1956. The new installation will be the largest in the petroleum industry and more powerful, by one million volts, than the accelerator installed last September at the Houston Laboratory of Shell Development Company.

The unit, a Van de Graaff accelerator, will be used to study the effects of radiation on fuels, lubricants, plastics and other oil-derived products.

Sometimes referred to as an atom smasher because it was first used for nuclear research, the accelerator will help Emeryville scientists to learn more about changes in matter exposed to high energy radiation. Such information could lead to creation of entirely new products.

Bob Dahlmann Will Replace Ray Cain as Recreation Secretary

Bob Dahlmann, General Accounting, has been named secretary of the Shell Recreation Association, it was announced this month. Dahlmann replaces Ray Cain, who is now attending college.

A graduate of St. Louis University, class of 1950, Dahlmann joined Shell in September of 1951. He was initially assigned to the Shipping section, and later transferred to Stock Accounting. He has been in General Accounting for the past two years.

Dahlmann is a native of Belleville. In addition to performing the duties of SRA secretary, he will also serve as auditor.

Presenting—The Treasury Players



It isn't "summer stock", but those present say the performance put on by the above Treasury Players came pretty close to being of Academy Award caliber. The presentation was given at a farewell party for R. M. Horrocks, former Chief Accountant here, who was promoted to Treasury Manager at Shellburn Refinery, Canada. The skit depicted simulated conditions in Treasury, and leaned toward the lighter side of office operations. The talented list of actors include, left to right, L. W. (Lefty) Linebarger, Marilyn (Ima) Simberger, Lou Eisen, Bobby Jo Dahlmann, Don VanMatre, and Ernie Hellman.

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From Ima Riton—**Witty Steno Pens Sharp Reply for Pencil Query**

(Editor's Note: This month the SHELL REVIEW sent out questionnaires to 30 stenos, asking them just how much they used a pencil throughout the average working day. They were asked to list the many uses of a pencil in their offices. Here is the answer of Marilyn Simberger, whose pen name is appropriately enough, "Ima Riton.") The pencil feature is on page 7 of this issue.

J. B. Kahmann
Editor—SHELL REVIEW
Box 262
Wood (as in pencil) River,
Illinois

Dear Mr. Kahmann:



I was overjoyed when I received your letter of inquiry dated August 26, 1955. As you know, I have done a great deal of research on the item in question and have traced their ancestry back to the forest-prime-evel. I am, at present, enrolled in the "Hexagon Shape" class, having graduated cum laude from the beginner's class or "Round Shape" class, taught by Dr. U. Sharpen. And I shall not cease until I have attained the zenith of human endeavor—admittance to the "Octagon Shape" class.

I have taken the liberty of listing a few of my own suggestions and hope these prove useful in your pencil users' survey. May I also add how happy I am to see the youth of America carrying on this worthwhile crusade,

Shavings:

1. The pencil cannot be equalled when it comes to taking pencil notes.

2. For darkening pale eyebrows when one leaves one's Max Factor at home. (May I suggest the use of a No. 1 here!)

3. A No. 3 1/2 brought to a high point is perfect for spearing the olive during the mid-morning Martini break.

4. We find it is the best ever for the filling in of blanks on a pencil questionnaire.

5. This item will appeal to the Scotch in you: The cost of a pencil is nominal when compared to that of an Electromatic Typewriter, which means quite a monetary savings during the year.

Yours for longer and sharper points,
Ima Riton

Fifty-one Days to Find Oil**Shell Sets New Record For Salt Dome Drilling**

A new record for drilling through solid salt in a dome formation was set when Shell drilled Caffery et al No. 2 on an island off the Louisiana coast.

The well was a second producer on the Cote Blanche dome, where Shell holds 2,830 acres. Striking salt at 818 feet, the drill chewed through it for 51 days for a total of 13,372 feet. Production was established from two thinly-separated sands, the upper at 14,204 feet.

Outstanding Achievement

Caffery No. 1, drilled in April through nearly 12,500 feet of salt, produces from a formation at 16,410 feet. Its completion was regarded as an outstanding technical achievement in drilling through salt.

The new well, about one-quarter mile east of No. 1, flowed at a daily rate of 228 barrels of oil and 232,000 cubic feet of gas on production test. A third well is scheduled to be drilled in the near future.

First Wildcat Completed

A few days earlier, also in Louisiana, the first wildcat on inland State Lease 2489 in the Loisel area was completed as a producer from 35 feet of Miocene sand at 12,758 feet. Restricted daily production was gauged at 88 barrels of oil and more than six million cubic feet of gas.

Shell holds an 80 per cent interest in this 3,091-acre unit, where a second well is scheduled for drilling. Other Shell holdings in the area, 14 miles northeast of the Company's Weeks Island field, amount to an addition 6,234 acres.

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Chief Accountant's Office

H. E. (Ed) Garner, Wood River's new Chief Accountant, right, and G. S. Truitt, Shipping Supervisor, discuss business in Garner's office in the Main Office Addition. Treasury offices occupy most of the third floor of the Addition, with Engineering occupying the first floor and management and technological quarters on second. Other pictures of the Addition are on page 4.

Shell Service Club Banquet Scheduled Tuesday, Oct. 11

Tuesday, October 11 is the date set for the second Service Award Dinner of 1955, according to C. L. Baker, president of the Shell Service Club. The dinner, which will honor all employees who celebrate service anniversaries during the last six months of the year, will be held at the Wood River VFW Hall, and will begin at 6:30 p.m.

Approximately 200 people will be eligible to attend the banquet. In addition to the free dinner, entertainment and movies will also be supplied. Al Mack, popular St. Louis comedian who made quite a hit at a service Award Dinner last year, will again be on hand with his wit and humor. Sports films will also be shown, and a speaker will be chosen in the near future.

May Cliff Named Head Majorette at Rochester School

Miss May Cliff, daughter of Dr. I. S. Cliff of the Technological Department, has been selected head majorette of the University of Rochester's marching band. Miss Cliff, who will enroll at the Rochester, New York, college this fall as a pre-medical student, was selected by audition last month.



MAY CLIFF

As head majorette, May will accompany the band on all out-of-town engagements as well as appearing with the unit at parades and football and basketball games.

A June graduate of Edwardsville high school, May received a scholarship to the University of Rochester after being named a finalist in a nationwide science contest last year. In addition to ranking at the top of her class scholastically, May was active in many activities during high school. She was head majorette of the Edwardsville band, and also held memberships in several other organizations. She conducted a baton-twirling class for beginning twirlers, and sponsored several recitals.

At the University of Rochester, May will be a protege of Bausch and Lomb Optical company, which will sponsor her in scientific projects during her college career.

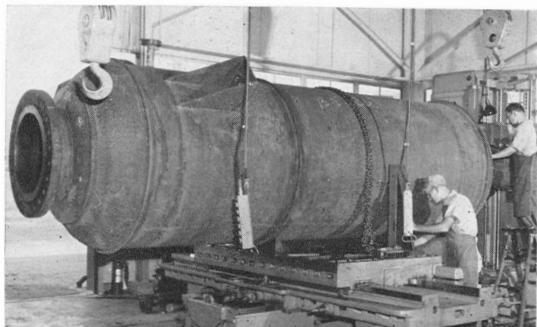
Introducing . . .**Miss Darlene Loos**

MISS DARLENE LOOS, junior clerk in Alkylation and Light Oil Treating, is a new addition to the refinery's female staff. Born in Marine, Illinois, where she still lives, Darlene is a graduate of Edwardsville high school. She also graduated from Comptometer School in St. Louis before joining Shell in August. Darlene's chief hobby is bowling, and she also enjoys taking snapshots. The pennant and the Jamaica shorts are strictly for the viewers' enjoyment.

September Shell Club Meeting to Feature Guided Missile Authority

Arthur Lowell, a representative of McDonnell Aircraft Corporation, will be the guest speaker at the October 18 meeting of the Shell Club. J. T. Loftis, president of the club, announced this week. The meeting will be held at Skagg's, and is scheduled for 7 p.m.

Lowell's topic will be "Guided Missiles." He will supplement his talk with colored slides, and his discussion will concern the potential of these objects, as well as how they affect life in the 20th century. Lowell is considered to be an authority on guided missiles, as he has been associated with this phase of McDonnell's operations for a number of years.

Machine Shop Boring Mill

Shop One, under construction for the past year and a half, is now occupied by four crafts, including the Machine Shop, Instrument, Valve Repair, Electrical, and Tool Room. The Machine Shop's horizontal boring mill is one of the many outstanding features of the Shops. Here a huge vessel is being machined on the boring mill. The vessel can be lifted into place easily with overhead handling facilities. Additional information about the Shops is on page 5.

Inside the Main Office Addition

Moving Into New Addition Was Not A Simple Matter

It's not an easy job to move. And the various departments that recently occupied the new Main Office Addition would be the first to testify to that. But everyone concerned readily admitted that the new surroundings are, "more than nice."

It would seem to be a small job, for instance, for the Treasury offices to move just a few feet "west" to their new quarters on the third floor. But desks had to be moved, telephones disconnected and connected again, files moved and once again put in place, and various papers to be checked. Members of the General Accounting section said that it was a fine time for general housecleaning.

Trucks, Cranes Used

Stock Accounting had a less simple move to make. Temporarily located in the north end of the Training Building for the past several months, the desks, files, and other equipment had to be transported to the new addition by truck, then lifted to the third floor by crane.

Engineering Design also moved only a few feet to the west. But their new quarters were well worth the tribulations of movement. Formerly, the design section was in one large room. Now they have four separate rooms, with a comparatively small squad in each room.

Stenos Move Down

Stenographic, instead of moving up, went down. The new quarters for the stenos are on the ground floor of the new building. They were formerly located in the west end of the Treasury Department on third floor.

With Treasury, Engineering, and Management movements having been completed, the existing part of the Main Office is quickly being readied for occupancy. The interior of the old building is being remodeled to match the new addition. When this work is completed, the Technological Department will take over the second floor formerly occupied by Management.

Various other moves will be made, and should be completed in a matter of a few months.

Hanbaum and Kress Repeat as Champs In Golf Tourney

Harold Hanbaum and Walt Kress repeated as champions in their respective golf divisions as the Plant Golf Tournament wound up this month. Hanbaum, last year's Championship Flight king, once again disposed of Carl Coburn, and Kress won the "B" Flight crown for the second straight year with a victory over Phil Leininger. Garol Brokaw won the "A" Flight title, and G. Turnbaugh won the "C" Flight.

Coburn Plenty Tough

Hanbaum and Coburn, traditional rivals each year in the championship class, fought it out for 18 holes, with Harold finally winning out, two up. It was a real close match from the opening tee, and Hanbaum had to be at his best to take Coburn, who won the Alton Muny Championship this year.

(Continued on Page 6, Column 2)

Additional Space, Added Light, More Privacy Are Few of Many Fine Features of New Main Office Addition Occupied This Month



Treasury's General Accounting Section has been afforded additional space in the New Addition. Three large windows give added light, along with an ample supply of fluorescent lighting. Left to right are, front row, Kinzel, English, Foederer, Stubblefield, Dahlmann, and Edwards. Back row, W. C. Krupski, General Accounting Supervisor, Hellman, Haxel, Wilson, Becker, Trares, and Corbett.



Auditor of Disbursements Harley Sparks, sitting behind the pay window, another new aspect of the Addition, handles cash throughout the day. Transfers of cash will be made through the window in the future.



J. J. Brannah's drafting crew, like all members of the section, has a room which affords quiet and privacy, as well as increased illumination. The drafting section, formerly located in one large room, is now divided into four groups.



This view of the first floor of the New Addition shows interior construction of the building. Engineering offices and drafting rooms are located on this floor. The reception room is located at the west end of the floor.

Anacortes Adding Advanced Water Purification System

Waste water from Shell's new refinery at Anacortes, Washington, will pass through what is believed to be the most advanced purification system ever devised for a refinery.

(The Anacortes water-purifying system which is similar to Wood River's project, points up a Shell policy in all locations to act in the best interests of communities near refineries and other installations. Wood River's water-purifying project is expected to be completed in about a year, and will cost approximately \$1,000,000.)

When the refinery goes on stream late this year, all matter harmful to marine life will be removed from the waste water before it is discharged into Puget Sound. Oyster beds near the refinery will thus be fully protected.

The waste control system will purify four separate categories of water: process, rain, sanitary, and ballast from incoming tankers.

The system comprises a complex series of chemical and biological treatments and settling basins for removing oil, chemicals, and other materials. The size of the installation is indicated in the dimensions of the two retention basins: each is about 320 feet long, 280 feet wide and 7½ feet deep. The system also includes a laboratory for testing the purified water; if a test sample from a basin does not meet the rigid requirements, the contents of the basin are pumped back through the purification system.

New Reserve Act Pointed Out by Major Mohme

Major Ed Mohme, Commanding Officer of the 286th Engineer Construction Battalion, a Shell-affiliate organization, this month pointed out the following clause in the Army Reserve Regulations:

"A qualified young man below age 18½ may join an organized unit of the National Guard or Reserve and, contingent upon satisfactory participation in the unit training, be deferred from induction. Draft liability and therefore the period of service, ends at age 28. However, if such an individual voluntarily undergoes active duty for training—not less than three consecutive months at standard pay of grade for the guardsman, and three to six months at \$50 per month for the Reservist — his period of service may be reduced."

Mohme pointed out that the three main points of this rule are:

1. Draft deferral in the active reserve.
2. Volunteering of a man under 18½ years of age for six months cuts two years off reserve obligation.
3. Volunteering for two years cuts four years off reserve obligation.

Further information on reserve obligations can be obtained by calling Mohme on Ext. 312, or J. R. Noles, 269.

New Building Features Modern and Efficient Facilities

Shops No.1—A New Home for Craftsmen

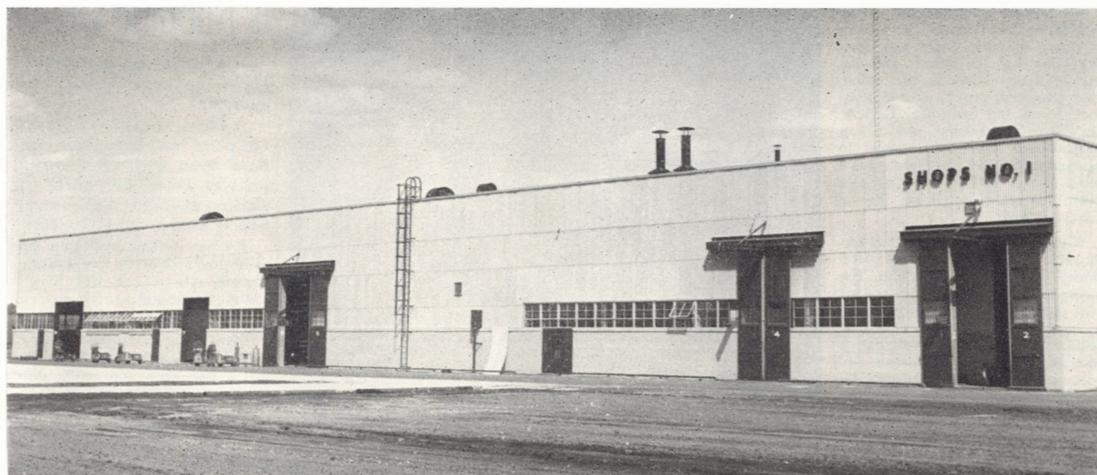
Production Upped Through Addition Of New Equipment

With the increased production of various refinery operating units in the past few years, the need for increased activities in the field of maintenance has presented itself. Logically enough, with more piping, valves, vessels, and other equipment having been installed during the expansion program, the importance of maintenance equipment has been magnified. That's the story behind the construction of Shops No. 1, the sprawling structure located just north of the Stores Building.

Shops No. 1 provides new facilities for the Electricians, Instrument Men, Machinists, and Valve Repairmen. These crafts have all been afforded more space for their shop operations with the completion of the new building.

Next month: The Instrument, Electrical, and Valve Repair crafts.

The Machinists, for instance, have 7,000 square feet of additional space, and the other crafts have had proportionate space increases. In addition to providing more space to house these crafts, Shops No. 1 features better ventilation, increased light, and improved material handling facilities, which include ample, modern mechanized doors. All of these improvements have in turn increased the efficiency of craft shop work.



Shops Number One, located just north of the Stores Building, houses the following crafts: Machinists, Instrument Men, Valve Repairmen, and Electricians. Tool Room is located in the area adjacent to the Valve Repair Shop. The Shops Building, constructed of brick and corrugated transite, blends in architecture with the Shops offices, just to the south. A large parking area lies to the west of the building, and it is accessible from all sides. New equipment and excellent material-handling features make the Shop one of the finest in the country.



Volume Increased

With more space in which to work, and added machinery to handle jobs more effectively, the volume of work produced by the crafts has been increased.

New equipment in the Machine Shop includes a Horizontal Boring Mill, which can handle large vessels with ease. With the aid of overhead material handling facilities, work can be moved on and off the mill easily. Machining of new and used valves, pumps, compressors, heat exchangers, and other plant equipment is the important job handled by this modern mechanism. The operator of the Mill must also be a skilled craftsman with a thorough knowledge of the capabilities of his machine.

Another new piece of



equipment which has been added to the Machine Shop is the Radial Drill. This drill has a six foot arm, and is capable of drilling at high speeds. Rapid feeding speeds up the operation, and increased production is the result.

Several Lathes Added

Several lathes added to the shop have increased output of work done on heat exchanger tubes, shafts, rods, reactor tubes and similar pieces of equipment. The largest lathe has a 38 inch swing, and will handle work 14 feet in length. Modern improvements, plus the skill of the operator, have increased accuracy to a maximum.

In addition to the new machinery, the Machine Shop has been equipped



with ample shelving, stock racks, work benches, and tool bins. Skids, on which material can be stored and transported throughout the shop, have simplified the transportation problem.

Much can be said of the overhead material handling facilities—cranes that move with swiftness and efficiency the equipment to be machined. Two large cranes, capable of lifting five tons, have been installed to handle heavy vessels. There are also six job cranes in the shop—smaller cranes which are used for lighter jobs. These are all electrically-controlled and accessible for use on all machinery. The cranes constitute one of the

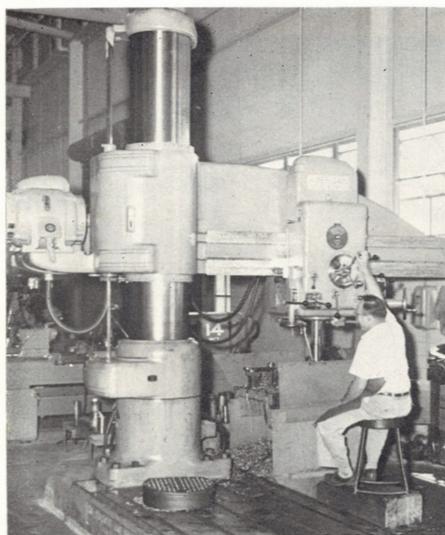


more important time-saving features of the new shop.

Capable Jobs Bettered

With all of these improvements now in effect, the capable job of the machinists has been revitalized. The important part they play on shutdowns is now more efficient than ever before. Parts brought into the shop can be handled quickly, and transported back to the shutdown site in record time. Manufacturing of specialized parts and the modification of existing equipment has similarly been speeded up.

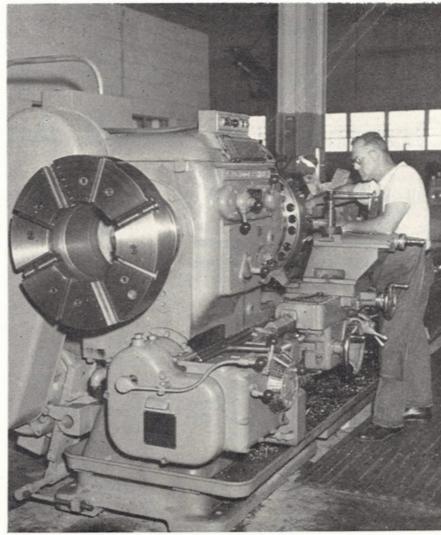
The completion of Shops No. 1 is a typical example of how the work of an always competent group can be made even more effective with the addition of space and equipment.



Joe Hauffe, operating the new Radial Drill, here is working on baffles for heat exchangers. This piece of equipment has a 6 foot arm, and features high speed action for rapid drilling. The Radial Drill is larger than that used in the former Machine Shop, and enables the operator to increase output.



This view of the Machine Shop includes about one-fourth of the area used by the Machinists. In this picture are the turret and engine lathes, the milling machine, and the shop office in the background. No space was wasted in the construction of the new shops. Atop the office is ample space for pattern storage.



Elmer Bohart operates the new 38 inch lathe in the shop. The lathe features a 11 1/2 inch hole in the spinnel, which is uncommon to the average lathe. It is used for machining piston rods, heat exchanger tubes, and reactor tubes. The addition of several new lathes to the shop has greatly increased production.

It Takes a Wizard to Solve Joe's Brain-Busters!

Levora's Hobby is Puzzling

Joe Levora, operator-first in the Alkylation Department, is a man of many hobbies. Years ago, motocycling was his hobby, and Joe visited every state in the union, four Canadian provinces and Mexico aboard the two-wheel vehicle. He excels in archery, and he's a professional when it comes to leathercraft. But perhaps Joe's most unique hobby—one that he's been interested in all his life—is puzzle-making.

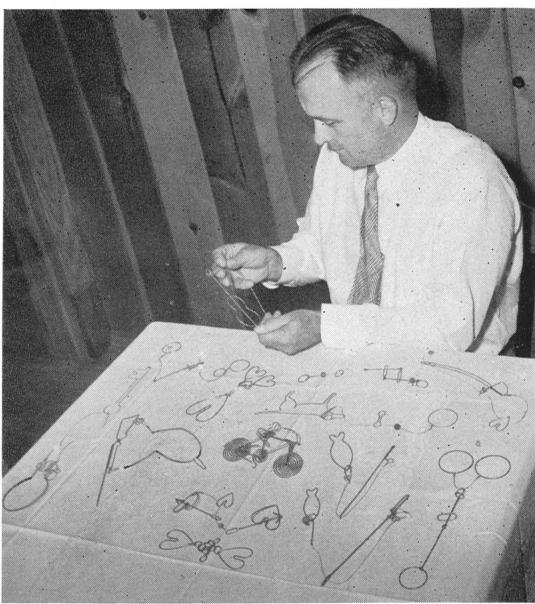
Whereas most folks are content to rack their brain with an occasional crossword puzzle in the newspaper, Joe actually devises his own puzzles. And they're different, to be sure. With a pair of pliers, soldering iron, screwdriver, and a file, plus a needle and thread, Joe goes about manufacturing the dandiest devices you ever saw. Most of his puzzles are made of wire, and they usually take the form of some object, such as a dog, bicycle, rifle, violin, or jail key.

Various Principles

Each puzzle's solution is based on a different principle, and each can be solved only one way. One of Joe's favorites, for instance, is a man on a bicycle. The bicycle is approximately five inches wide, and two inches high. Atop the seat is a little man about an inch high. The object of this toughie is to get the man off the bicycle, and it's a hearty task. Several of Joe's friends have spent hours with this one without coming to the solution. Quietly, Joe will explain that all one need do is this, then that, and pretty soon, presto, the man is off the bicycle!

Joe's other puzzles are equally as difficult. His real favorite, and perhaps his most difficult one, is a violin and bow. All together, he has about 14 puzzles which he considers difficult but dozens more which he refers to as "mediocre."

He doesn't develop a new puzzle overnight. A new creation is result of weeks, sometimes months, of thought on a new principle. When he has decided on the principle to be used as a basis for solution to the problem, Joe begins with the actual manufacture of the new puzzle. At first, it is usually a shapeless mass, but Joe later develops it into a familiar object.



JOE LEVORA—Joe displays some of his toughest puzzles. He's examining his favorite, the violin, which he says is his best.

**Requires Skill, Patience**

The entire operation is one which requires not only a high mechanical aptitude, but also a high degree of patience and skill. Joe does all this strictly for his own enjoyment. He explains that his puzzles aren't commercial because they cannot be mass-produced. Each is the product of long hours of exacting labor—delicate work which must be done by hand. "I think I have the most difficult puzzles in the world," Joe says. "I've never seen any more difficult, and frankly, don't think there are any around." Joe explains that most people today aren't much interested in puzzles which take time to solve. "Everyone today is just too busy to spend time solving puzzles," he smiles, "but I still enjoy making them, and occasionally when I visit a sick friend in the hospital, I take a couple along."

Care to Try?

Anyone who's interested in taking a whack at solving Joe's brain-busters is perfectly welcome to try it. He's always happy to show them to anyone who feels he can match wits with the mechanical contrivances.

But let us warn you: Joe isn't kidding when he says, "They're the most difficult puzzles in the world." He can make a believer out of you plenty fast!

Correction

It was incorrectly stated in the August issue of SHELL REVIEW that Hugh Head had 16 years' service with the company. Actually, Head has been a Shell employee for 22 years.

Has Power Steering Too

Refinery's New Crane Operates in Small Areas

A new hydraulic crane, capable of lifting five ton loads, has been purchased by the refinery. The new apparatus, small when compared to most of the plant's cranes, is highly maneuverable and is being used in areas where piping will not permit larger units.

The new crane has a clearance of 10 feet, 6 inches, and is able to maneuver in extremely small areas. It is equipped with four-wheel steering, and the boom has a 270 degree swing capacity. Power-steering is another one of the outstanding features of the crane.

With a telescopic boom—on that can be extended to a distance of 28 feet—the crane can remain a considerable distance from the objects it is lifting. Hydraulic outriggers give it added support during lift operations.

According to crane foreman L. P. Weishaupl, the new crane is of particular advantage in the installation of piping and the other small jobs around operating units.

Golf Results

(Continued from Page 4)

Kress had a little easier time of it with Leininger, defeating his opponent, six and five. Garol Brokaw played exceptionally good golf in winning the "A" Flight crown. Brokaw had tough matches all down the line, with top opposition coming from Dave Patton in the semi-finals, and R. E. Waugh in the finals. In several of his matches, he played just a stroke or two above par.

Winners Feted

Turnbeaugh won the "C" Flight title by defeating R. H. Rice in the final 18 holes. Hugh Guthrie, last year's "C" Flight champ, was playing in the "B" Flight this year, and was eliminated about halfway along the line.

All of the winning golfers will be honored at the SRA Annual Awards Banquet in November.



Wood River Refinery's new hydraulic crane, capable of maneuvering in small areas, here lifts cooling water lines into place. The crane is particularly efficient in low-ceiling areas, as it has a clearance of 10 feet, 6 inches. The unit has a telescopic boom, and is capable of lifting 5 tons. It has power-steering and can move at a 30 degree angle sideways.

Plant Bowlers are Off and Running!

Lube Extraction's Sharpshooting Is Rubbing Off on Other Teams

Are the alleys better? Are the bowling balls rounder? Have the boys worked on radar controls during the past summer?

These and other absurd questions are popping up throughout plant league bowling circles after some skyrocketing scores have been registered during the first few weeks of bowling activity. Of course, all of the teams are not hitting for those sizzling averages, but several individuals have turned in scores which would make you scratch your head in amazement.

Nowhere is this condition more widespread than in the Premium League, where, one will have to admit, the scores are always tops.

Lube Boys Tops!

Take Lube Extraction, for instance. Last year, the Lube boys had a fair team, but really didn't set the world afire. But this year! Why, there's been no stopping them. Don Isted is to blame for the whole thing. He stepped out there, after a three-month alley absence, and hit 627 on his first night. Included in this almost fantastic series were games of 230, 219, and 178.

The fact that Isted hit two "200" games isn't fantastic. Don has carried a heavy average for several years now. But it's rapping the pins for that score on the first night that is surprising. Walt Fiesel came back to top Don's efforts on the second night of bowling. Walt had a 638 series, including 247, 213, and 178.

All of this, of course, puts Lube Extraction in first place in the Premium League.

It's Rubbing Off

The whole thing seemed to rub off on the rest of the Premium league throwers. Twenty, yes, 20, of the Premium bowlers had "500" series on that first night out September 7. That's half of the men in the eight-team lineup.

And these dazzling scores aren't restricted to the Premium League by any means. Big Bob Kapp, bowling this year for Fire and Safety in the Super Shell League, is setting a torrid pace, and if he keeps it up, he'll probably win the high average title by at least 15 pins.

Kapp is hitting 185 after nine games, and even on the tough East Alton Alleys, he might be able to hold it at about 180. Kapp's average in other leagues in the area for 22 wins, 7 losses.

Now if we can just get these boys going, it might be the hottest year ever! A radar installation on the bowling balls might be just the thing to get these three teams going.



DON ISTED . . . He started it all. is said to be 195 and over. He hit a 300 game a couple of years ago, and he might well be the hottest thing to hit the plant league in several years.

Price Pushing Kapp

Jim Price isn't doing bad in Super Shell activity. He had a 184 mark after two weeks, but dropped to the 170's after the third night. He's running second to Kapp for Individual High Three with 568. Kapp, meanwhile, has a 571.

A close observation will tell you that almost ALL the plant league teams are starting better than last year with the outstanding exception of the North Property Engineers, the Tech Department, and Industrial Relations. North Property has won 1 and lost 8, as have the Tech boys. Industrial Relations is batting a cool .222 with 22 wins, 7 losses.

Now if we can just get these boys going, it might be the hottest year ever! A radar installation on the bowling balls might be just the thing to get these three teams going.

Stenos Say They Just Can't Be Without 'Em!

Pencil Gets Vote as TOP Office Implement

Quite a handy item, the pencil.

Ever think of what your average working day would be without one? If you think you wouldn't miss one, try going a day without it. Frustrating, huh?

This month, the SHELL REVIEW, which almost never goes to press without depleting at least five pencils, sent out a questionnaire to 30 refinery stenos, asking them just how important a pencil was to them in the performance of everyday office duties.

The results were fantastic...

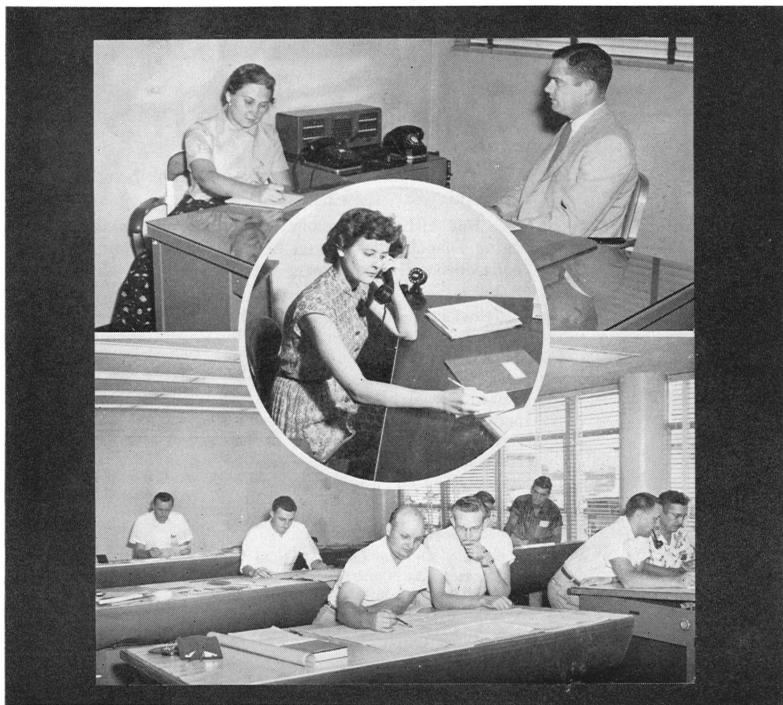
All 30 of the stenos said they just couldn't get along without the handy yellow implement. Why, they said, being without a pencil was just like, like going without the morning coffee. They were quite verbose on the subject, pointing out that pencils were used for such timely tasks as: writing down phone numbers of calls to be returned, taking dictation, jotting down notes and messages, reminders on calendar pads, simple arithmetic, indexing ledgers, filling out time cards, rough drafts, noting vacations.

Had enough? That's just a sample!

Stenos also mentioned: writing informal notes, stationery supplies to be ordered, routing mail, dialing the phone, passing invoices, and, oh yes—doodling.

Obviously this list could be expanded until it reached halfway to the moon, but it points up the importance of the pencil as a writing tool. Our apologies to the Parker and Sheaffer families, but—that's right—stenos in many cases prefer the pencil over the pen. Both Irene Gianinni and Margie Erzen, Engineering Department stenos, surmised that when taking dictation, a pen can always run out of ink and leave you dry. But the pencil—never fails—unless of course one presses too hard.

The pen, of course, is a city cousin to the pencil, and most of the jobs being performed with a pencil can also be handled, in a more sophisticated



Three important uses of the pencil at Wood River Refinery are illustrated here. ABOVE, Mrs. Gloria White, Stores steno and receptionist, takes dictation from Assistant Stores Manager G. A. Shahani. BELOW, draftsmen in J. L. Coburn's group study blueprints and drafts . . . according to one section head in the drafting group, a pencil is one drawing implement the draftsman can't be without. INSET, Mrs. Jean Lynch, steno in Products Application, finds a pencil important in securing and confirming reservations for PAD engineers, as well as for dictation and miscellaneous uses.

manner to be sure, with a pen. But statistics show that pencils outsell all other writing tools by a ratio of nine to one. Americans now purchase a record-breaking 1,500,000,000 pencils a year. That's 8½ for every person in the United States.

Industrial firms are the leading consumers of pencils, even ranking over schools and governmental organizations, and Wood River Refinery is no exception.

Here at the refinery, the pencil seems to be most popular, at least most widely used, in the Engineering, Treasury, and Safety Departments. According to Jerry Brantham, Group Leader in the drafting section, the pencil is the basic tool for a draftsman. Jerry maintains it is the only writing tool a draftsman can't be without. Even ink drawings are initially made in pencil, and then traced with a

In the Treasury Department, invoices, ledgers, and other items just couldn't be handled without a pencil. Accountants and clerks in Treasury use a pencil for almost all their daily work. Margaret Stroud of the Payroll section points out that colored pencils are important in Treasury. Used for marking bond ledgers, red pencils are also used for refunds and overpayments.

Mailing and Filing's daily

chores would also be impossible without 'em. The routing of plant mail is an important aspect of this section's operations, and pencils are used for this work, as well as for keeping records of forwarding addresses, registering mail, and many other written assignments.

Safety men, according to E. B. Wiley, use pencils for writing daily departmental work permits, safety permits, and work orders. The department also uses them for illustrating physical layouts of valves, pipes, tanks, and direction of flow. Safety men mark check lists in making periodic surveys of equipment throughout the plant.

The pencil is a colorful item, not only in hue but also in background. Origin of this writing handy can be traced at least as far back as 3000 B. C. Long before that, husky cavemen were jotting down something-or-other on the walls of their humble cave dwellings.

Today's pencil is made of 25 or more products from around the globe. It contains wax from Brazil, clay from England, gum from Iran, zinc from New Jersey, graphite from Mexico and Ceylon, and sperm whale oil from the South Pacific. Red cedar trees from Tennessee, California, and Oregon provide the wood for manufacturing pencils. The average tree yields about 172,000 pencils.

In a recent article in the ST. LOUIS GLOBE-DEMOCRAT, it was pointed out that the pencil helped write history in two notable instances, including Key's "The Star-Spangled Banner" and Lincoln's Gettysburg Address.

The next time you pick up that pencil, take a good look at it—it's one office implement we couldn't afford to be without.

And the next time you feel like breaking one in half, think twice before applying the pressure. If you make a mistake, don't blow your top. Remember the pencil's popular gimmick—there's an eraser on the other end!

September Service Anniversaries



30 YEARS
R. L. Bedwell
Compounding



30 YEARS
H. A. Eicken
Lube



30 YEARS
J. R. Ferguson
Pipe



30 YEARS
F. O. King
Machinist



30 YEARS
L. F. Longman
Dispatching



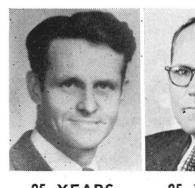
30 YEARS
J. A. Smith
Utilities



30 YEARS
G. L. Wade
Cracking

15 Years

- N. J. Arnold
Pipe
- W. D. Groves
Cracking
- W. R. Lamkin
Control Lab.
- A. J. Rosy
Tinner



25 YEARS
John Kerwin
Pipe



25 YEARS
George Rozum
Boilermaker



25 YEARS
R. R. Ruedin
Control Lab.



20 YEARS
J. G. Ryan
Research

10 Years

- N. Bangert
Gas
- L. D. Brown
Nurse
- L. E. Felder
Boilermaker
- V. Fillingim
Cracking
- J. M. Gorman
Research
- W. L. Kennedy
Cranes
- L. W. Manning
Electric
- A. J. Martin
Tech. Services
- C. A. Pike
Alkylation
- R. D. Smith
Dispatching
- J. H. Trippett
Boilermaker

It's Dispatching Again in Softball!

SPORTS

Here're My Boys!



Any softball manager would like to be as fortunate as Dispatching's popular mentor, T. L. Groppel, standing between his talented battery of Sandy Sandbach, left, and Bobby Garner. Garner pitched Dispatching to the Plant League Softball Championship this month, and Sandbach did the catching honors. That's about the size of it!

The Electricians-Machinists Could Even Fall!

Might be Different Story In Plant Bowling this Year

At the end of two weeks of intense bowling activity, the 32 teams in the Shell Bowling League are giving every indication of supplying one of the most highly-contested seasons in years. Teams in the four leagues, strengthened during the summer months, appear to be more evenly matched than at any time in the past several seasons. Even in the Premium League, where the Electricians and Machinists have reigned supreme for over a decade, there appears to be a new spirit of determination to unseat the champs.

Premium League

It's too early to predict the downfall of the Electricians and Machinists in the Premium League (that's been done before with no success) but right now, it looks as if they'll have a real fight on their hands. After two weeks of play, the Extraction Plant, led by Don Isted and Walt Fiessel, are in a first place tie with the Asphalt Plant. Both teams have won four and lost two. Isted posted a 629 on opening night and Fiessel had a whooping 638 the second week out. The Machinists are batting .500 with three-and-three.

The Asphalt Plant, bolstered by the addition of Frank Hackethal and Pete Dochwat, are going to be rough as an old washboard. With Ted Madosh still in there pitching, the Asphalters have three top throwers.

X-100 League

The Whiz Kids, Cat Crackers, and Cracker Box, traditional top three, are out in front in the X-100 circuit. The Kids are 5-1, followed by the Crackers and Cracker Box with 4-2. Johnny Allison, leading the league with a 172, will bolster the Cracker Box, which also has Ray Robinson, a good pitcher.

Super Shell

Jim Price's fine bowling has the Research Pilots off and running in the Super Shell League. Price carded top scores the first two nights out to help put the Pilots out in front with five wins and one loss. But Fire and Safety, last year's top contenders, will be the team to beat with a lineup bolstered by the addition of Kapp and Wuele. Along with J. O. Harris, Lou Roller, and Joe Schillinger, this outfit stands to be even better than last year.

Golden Shell

This, more than any other league, is a real toss-up. The Research Ramblers, paced by Heinz, are in first position with a 5-1 record, but it's pretty well knotted up from there on down with the Engineering Office and Fab Shop standing 4-2, and four teams hanging on with 2-4.

The averages in this circuit as a whole are much improved over last year, but again the question arises, "Can they keep it up?"

Heinz, Weeks, Speed, Hibbard, and Judd are all over 170, which at least looks good on paper. If these men can hold their averages and combine them with a hot night occasionally, anything can happen.

In bowling, it usually does.

Garner Hurls No-Hitter; Gives Champs Fifth Straight Crown

The Dispatching Department's Plant League softball team has always been tough. Up until this year, they had won four league championships in a row.

But with a sensational Bobby Garner on the mound, they are unbeatable. And the damaging Dispatchers proved to be just that September 6 when they wrapped up their fifth consecutive league crown, with Garner throwing a no-hitter in humiliating the Control Lab, 6-0.

Garner's fantastic success against Plant League opposition reached an all-time high against the Lab boys, as he was near perfect. He walked only one man, and faced but 22 batters in seven full frames. A charity pass to St. Peter, the Lab's hustling center fielder, was the only blot on an otherwise perfect slate.

Good Hitting Outfit

It takes a pretty fair pitcher to white-wash the Control Lab outfit. With good hitters like Hub Turley, Harold Taul, Al Neuhaus and the Ufert boys up there swinging, a four or five-hitter is a commendable effort. But Garner, cool as a cucumber all the time, took them one at a time, pitching carefully to each man.

Dispatching pasted Danny Ufert for three hits and four runs in the first inning, and all the spectators agreed that the Lab might as well call it a night right there. With Garner on the mound, about all the Dispatchers need is one or two tallies. But Harold Ufert came to Danny's assistance with one out in the first, and pitched fine ball the remainder of the game. Harold gave up but five hits and two runs in the final six innings.

Romani Hits Homer

Clay Romani, "Pick" Pickarel, and Dick Downer were the hitting stars for Dispatching, together marking seven of the Dispatchers' eight hits. Garner got the other. Romani had three hits, including a two-run homer and a double. Pickarel had two doubles, and Downer had two singles.

Dispatching's one-sided victory concluded Plant League activity for the season. The victory marked their second win over the Lab in the playoffs. In the first contest

in a best-out-of-three affair, the Dispatchers won easily, 21-9. In that contest, everyone but Manager Groppel took the field. Garner moved to second base, and Shields did the pitching honors. The Lab had three hits and two runs off Garner when he retired to the key-stone position.

A Bright Future

In earlier playoff games, the Control Lab whipped Treasury by an unmentionable score, and the Dispatchers knocked off the Pipefitters, 10-0. Garner, incidentally, threw a two-hitter in his first win of the playoffs against the Pipefitters. In this game, he faced but 23 batters, or two over par.

And things don't look too promising for the rest of the league in the future. Provided Garner stays with Dispatching, the traditional champs look as if they'll be playing a pat hand for years to come.

DISPATCHING (6)

	AB	H	R
Pickerel, SS	4	2	1
Zumwalt, LF	3	0	1
Romani, 3B	4	3	1
Walters, 2B	3	0	0
Sandback, C	2	0	1
Downer, RF	2	2	1
Berleman, 1B	2	0	0
Shields, CF	3	0	0
Garner, P	3	1	1
Totals	25	8	6

CONTROL LAB (0)

	AB	H	R
Taul, SS	3	0	0
Turley, 3B	3	0	0
H. Ufert, 3B, P	3	0	0
Neuhaus, LF	3	0	0
Combs, C	2	0	0
Janssen, 1B	2	0	0
D. Ufert, P, 2B	2	0	0
St. Peter, CF	1	0	0
Naeve, RF	2	0	0
Totals	21	0	0

Both Shell Industrial Teams are Blistering Pins for High Averages

Although they are midway in the standings, both of the Refinery's Industrial League bowling teams are in good position after three weeks of the season's play. Shell One, league champs last year, and Shell Two are in a tie for fourth place with like marks of five wins and four losses.

The two Shell outfits are running behind Onized Two, Boxboard One, and Onized Two in the standings, but they have carried off virtually all of the individual and team events at this stage of the game.

Leading the individual high three parade are Archibald, Art Farley, and Jess Grover, all Shell men. Archie has a 624, followed by Far-

ley with 612, and Grover with 601. Under team high three, the Shell boys are running 1-2. Shell Two has a 2734, tops in the division, followed by Shell One with 2721, good for the number two spot.

Lou Oden has a 237 game, which takes second place under individual high single.

Of the 12 highest average bowlers in the circuit, seven are Shell bowlers. Number One team members in the top 12 include Jess Grover, 184, and Ray Schindewolf, 180. The Number Two Shell team boasts five of their eight bowlers in the list. They are Archibald, leading the league with 208; Isted, 184; Thompson, 184; Lamar, 181, and Farley, 180.

Plant League Champs



Here are the champs! Winners of the Plant League Softball Championship for the fifth consecutive year are members of the Dispatching softball crew. Left to right are, front row, Sandy Sandbach, Leeland Berleman, Jim Smith, Jean Pile, Manager T. L. Groppel, Kenny Zumwalt, Clay Romani, Joe Jones, and Pick Pickarel. Back row, Freddy Smith, Wilbur Grove, Jim Cherry, Bill Shields, Bob Garner, Dick Downer, and Lou Walters. With this talented lineup, plus the pitching of Garner, Groppel's crew are going to be hard to beat in the years to come.