

# Shellegram

## Deer Park Manufacturing Complex

March, 1983

Vol. 49, No. 3

## Chamber to recognize DPMC

Shell's Deer Park Manufacturing Complex will be recognized by the Deer Park Chamber of Commerce during Industry Week and at a special Chamber luncheon for contributions the Shell Complex has made to the City of Deer Park through the years.

Each year the Deer Park Chamber selects one honored company as recipient of a salute to business and industry for the benefits provided to the people of Deer Park. The salute customarily comes during Texas Business and Industry Week, which falls April 1-7 this

year.

The Industry Week salute will consist of local newspaper coverage of the history of Shell DPMC, how it progressed, and the effect the company and its employees have had on the progress of the City of Deer Park.

The following week, during a special luncheon meeting of the Chamber, complex manager Bill Thompson, on behalf of Shell Deer Park and its employees, will accept a plaque citing DPMC as the honored industry for 1984.

In learning of the upcoming award, complex manager Bill Thompson said: "It is quite an honor to be recognized by the other businesses and industries that make up the Deer Park Chamber of Commerce. It is gratifying that our peers recognize the efforts employees have made to be a responsible corporate citizen of Deer Park.

"I am sure the commitment and service of Shell employees in the community also goes a long way to securing this type of honor for DPMC," Thompson said.

## Freeze study offers recommendations

**CONCLUSIONS** of a study conducted after the December freeze indicate DPMC could not have avoided a complex wide shutdown during as prolonged and intensely cold period as the 110 consecutive hours of subfreezing temperatures experienced during Christmas week.

The hardware in place and the established procedures were not adequate to deal with temperatures dipping to nearly 10 degrees and remaining in the teens for days. However, the report did conclude that DPMC could survive future freezes with procedural changes and some hardware modification.

The report also called for DPMC to better prepare for freezing temperatures since

freezes will occur every year, though not of equal magnitude.

**THE STUDY**, prepared by Jim Newlin of Economics and Scheduling and Bill Charles of Utilities Operations, examined the data

compiled by operations, engineering and other support groups. The report critiqued procedures taken before the freeze, efforts made during the freeze and steps taken dur-

**(Continued on page 2)**

### Pensioner services moves

Pensioner Services will move from the Home Savings Building to the Entex Building in downtown Houston in May, 1984.

In anticipation of the move, a new number is now in service, (713) 241-1302. Until the move, both the new number and the old one, (713) 660-4903, are working.

Any pensioner who needs to report a missing check, address change, or request a new W4-P should contact Gerry Nelson at (713) 669-4815.



**NATURAL ART...A study conducted after the December freeze makes recommendations intended to keep scenes like this from re-occurring during future freezes.**

# Report shows shutdown unavoidable

(Continued from page 1)

ing the subsequent startup to prevent freeze problems.

From this experience, the report offered alternatives to be followed to avoid future problems. The recommendations will be further studied to determine cost effectiveness.

"In a nutshell, we were looking for the smart thing to do," said Newlin. "We don't want to overreact to the rare situation and redesign the complex for 10 degree temperatures. That wouldn't be a wise business decision. But we do need to become more serious about freeze protection."

Newlin stressed freeze precautions should be handled as seriously as hurricane precautions. "We might have one hurricane every 20 years, but we usually have a freeze every year," he said.

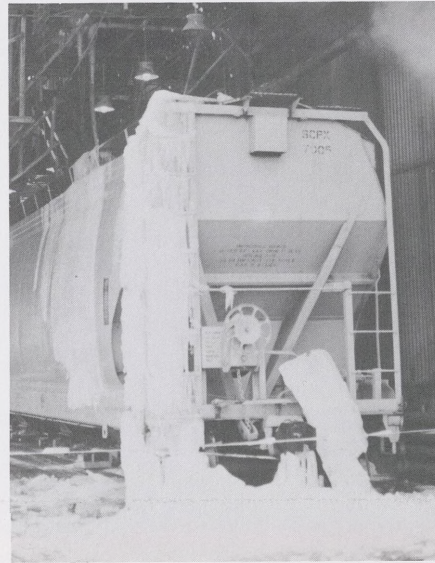
The annual domestic water freeze test is an example of a procedure that needs to be more seriously followed. "It is tough to use the test as a gauge of what will actually happen," Newlin said. "You might not run the water as hard from safety showers as you might be forced to during a hard freeze, or someone doesn't comply with the test and it affects the results. Also, during a freeze water pipes break and change the ideal plan. We need a better test that would be a more accurate gauge."

"Each department has a checklist to follow prior to cold weather months. Instruments and equipment need to be weatherized. Some departments did a good job, others

could have done better. We need to emphasize being prepared for freezing weather."

A **COMPLEX PLAN** would add that emphasis, Newlin said. It could be specialized to particular units, and could include operator training and annual drills.

Newlin acknowledged that DPMC has had problems in previous freezes and each time took steps to correct those problems. "We have never had severe problems with boiler



**REFRIGERATED CAR...A hopper car at a Resins loading dock is iced over from water spilling from an overhead rack during the Christmas freeze. Steps are being taken to prevent similar occurrences next winter.**

feedwater before," he said. "That was the critical problem that forced us to shut down, so we took a good look at that area." The study recommends equipment in the demineralizers be protected from freeze-ups and additional storage capacity for boiler feedwater supply be added.

"**TEMPORARY** tarpaulins hung around the demineralizers to protect them from the cold wind worked well. We know we need to do something similar," Newlin added. "The report identifies this. However, it makes different suggestions and gives estimated costs.

"For instance, we could go with temporary screens for \$40,000. But these need to be hung, removed during hot weather and maintained. That could be an expensive annual cost," he said. "We offer permanent housing as an alternative. The initial cost is much higher, but it eliminates some of the cost of upkeep."

**TO INCREASE** boiler feedwater storage Utilities can use a spare 300,000 gallon tank with minimal expense of tying in some new lines. "This gives us a few extra hours supply of feedwater and will help with our day-to-day operations throughout the year," he said. "To get added capacity we need to construct new tanks or build additional demineralizers. Is it worth the expense?"

These types of questions are raised in the report which has been made available to all operations groups. The Operations and Maintenance Team is reviewing the study and will assign teams to tackle it and make some of the decisions.

## Environmental Operations/Utilities tally million safe hours

When the Environmental Operations and the Utilities departments merged Jan. 1 there was instant safety success. Combining the two groups' safe hours worked totals gave the new organization more than one million hours worked without an injury requiring missed days from work.

In addition to the safe hour milestone, Environmental Operations/Utilities has gone more than a year without an OSHA recordable injury, an injury requiring medical treatment beyond first aid.

The Utilities department was close to reaching a million hours on its own before merging with Environmental Operations. Utilities has 977,879 safe hours. Combining with Environmental Operations brought the honor home a month earlier.

If you combine the safe hours streaks of individual groups within the new department the safe hour totals soar higher than three

million hours. This streak is lead by Environmental South, which hasn't had a lost time injury since 1959, 298 consecutive months.

Utilities Distribution also has a major streak going at 79 months without a lost time injury. Utilities Distribution has not had such an injury in its existence.

"One of the reasons Utilities has done so well in safety is the position of Safety Training Coordinator we created some three years ago," said F. M. Thomas, who is the fourth member of the department to serve that function. "The coordinator oversees the safety effort, heading up teams that audit the safety program, investigate first aid cases, OSHA recordables, lost time accidents and more.

"I also prepare a summary each month of how we are doing, keep our own library of safety films and help foremen prepare for

monthly safety meetings," he said.

"But the key to our success and our continued success is the cooperation of all employees," Thomas said. "We get good cooperation through our team system; everyone comes up with ideas, keeping our safety ideas new and fresh. Everyone has a say in the safety program. My job is to coordinate their ideas."

Now that the new group has demonstrated success with job safety, it is pushing off-the-job safety as well. "Besides addressing off-the-job accidents at safety meetings, some of which include spouses, we are now tracking off-the-job injuries and reporting them on the monthly summary," said Thomas.

Members of the Environmental Operations/Utilities department received a choice of a satin jacket, sportsman style coveralls or woman's jumpsuit as a gift commemorating the million safe hour milestone.

# SCORA news:

## Pool, softball, Easter eggs in planning

SCORA members who signed up during the annual membership drive won't have to wait long to take advantage of club activities. April features a pool tournament, softball league, children's Easter egg hunt and family camping trip and bass tournament.

**THE POOL TOURNAMENT** is slated for April 8 at Johnny Lee's Club on Spencer Highway. Doug Teschendorf, extension 6750, is coordinating the event.

**TESCHENDORF** is also heading up the men's softball league. The 20-team league begins play April 11 and continues with weekly games through June at the Deer Park softball complex on Pasadena Boulevard.

**THE CHILDREN'S** Easter egg hunt will take place April 14 at 10 a.m. in the fields of the San Jacinto Battleground. Signs will be posted to direct participants to the exact area of the hunt.

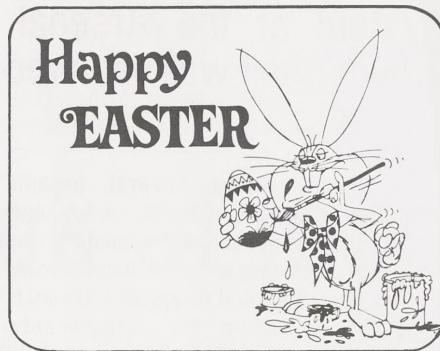
The Easter egg hunt will be held by age categories so younger children will have equal chances to collect candy eggs and prizes. For more information contact Carolyn Anderson, extension 7445.

**AN OVERNIGHT CAMPING TRIP** and bass tournament is scheduled at Wolf Creek Park in Cold Springs April 27 and 28. Junior Guillot, extension 6379, is coordinating the camping trip and Jug Bennett, 6670, is handling the bass tournament.

For those members planning ahead, a skating party will be held May 15 and the annual SCORA family picnic is slated for late

May. Watch the next Shellegram for details.

**IF ACTIVITY** from the early part of the membership drive is an indicator, the events should be well attended. Through just the first half of the membership roundup, some 500 employees signed 1984 SCORA memberships. Board members and prospective board members greeted employees at the North and South gates during lunch and morning and afternoon shift changes with



membership applications, lists of upcoming activities and ballots for election of the 1984 board of directors. The active members socialized with prospective members and traded ideas and suggestions.

"We feel we were very successful," said Carolyn Anderson of the one-day membership roundup. "Besides getting a large number of sign ups, some new people joined the board members for a TGIF that afternoon. And some of those people have already

become active."

Anderson reminds employees who wait to join before softball, bowling or basketball seasons to join now. "The membership fee is the same no matter what time of year you join, so employees might as well join early and take full advantage of their yearly dues," she said.

The board has made signing up early a simple task. Employees joining now can select automatic renewal. Each year during the membership drive the employee's dues will automatically be covered by payroll deduction, allowing the employee full benefit of SCORA activities year-around.

## Classified

### FOR SALE

**81 DATSUN**, 310 GX, 5 spd, AC, AM/FM cassette stereo, sunroof, rust protection, \$4995. 280-9295

**81 CHEVY CHEVETTE**, 2 dr, 4 spd, radio, AC, one owner, \$2800. 324-1900

**78 CADILLAC SEDAN DEVILLE**, 47,000 mi, new tires & battery, \$5000. 339-2729

**77 FORD GRANADA**, 4 dr, PB, PS, AC, cruise control, vinyl top, cloth seats, Michelin SB radials, 71K mi, one owner, Zeibart rust proofing, \$2200 neg. 472-6980

**77 PONTIAC GRAND PRIX**, low mi, one owner. 473-2541

**NOVA COUPE**, restored, 2 dr, stereo/tape, PB, PS, AC, 307 V-8, \$1800. 472-5988

**2-1-1 HOME** on 2 lots in Baytown, pecan trees, hrdwd floors, AC, \$35,000. 471-5729

**3-2½-2 TWO STORY BRICK HOME**, frpl, ktchn appl, corner lot, \$67,000. 471-5729

**3-2-2 HOME** in Fairmont Park (LaPorte), formal liv rm or din rm, \$58,000. 471-2443

**10,000 SQ FT WATER-VIEW LOT** on Lake Livingston, West Wood Shores, \$13,000. 328-3126

**ACRE** in Circle D Country Acres, 4 mi east of Bastrop TX, corner property. 214/451-2227

### FOR RENT

**3 BDR HOUSE**, ctrl air & heat, recently redone, \$450 mo & depos. 473-2170

**3-2-2 HOUSE**, Fairmont (LaPorte), built-ins, frpl, fenced, open liv area & din, \$550 mo & depos. 488-7054

**3-2-2 HOUSE**, almost new, frpl, microwave, fenced, extras, built-ins, open liv area & din, \$600 mo & depos. 488-7054

**3-2-2 HOUSE**, Fairmont Heightsnew, frpl, ceiling fans, high effcy A/C, built-ins, \$550 mo & depos. 488-7054

**3 BDR HOUSE**, corner lot, lg fenced yard, 6 min to work, \$400 mo. 472-2203

### TRADE

**WILL TRADE** phone answering machine for portable electric typewriter. 947-9550



**PLAY BALL...SCORA's men's softball season begins in April. The league is expected to be as close as this play in the traditionally hotly contested season.**

# Army suit contradicts study

**SHELL OIL COMPANY** expects no significant adverse financial consequences to the company from the resolution of the hazardous wastes situation at the Army's Rocky Mountain Arsenal.

Since December, when the government filed suit against Shell claiming environmental damages at the Army's Rocky Mountain Arsenal site near Denver, this issue has received considerable public attention. Shell has had minimal comment, since the matter is in litigation.

The lawsuit came as no surprise to Shell -- the government was meeting a deadline under "Superfund" legislation -- yet the amount claimed in the lawsuit, some \$1.9 billion, grossly exceeds and contradicts conclusions of a two-and-one-half-year Army study to determine action necessary to protect the public health, welfare, and environment and ensure compliance with federal and state environmental laws.

When this dispute is resolved, the company believes costs will not have a material adverse effect on the company. Shell has had liability insurance in force over the period with a number of insurance companies.

**SHELL LEASED** a portion of the Arsenal for more than 30 years for manufacturing agricultural chemicals, but ceased manufacture in December, 1982. Beginning in World War II, the Army has used the Arsenal for manufacture of nerve gas, munitions and various chemical warfare agents.

The Army designed, constructed and operated the disposal system at the Arsenal, which Shell was required to use...

Since discovering several organic chemicals in groundwater on the Arsenal migrated past the northern boundary, the Army and Shell conducted a comprehensive groundwater study and mitigation program to control and contain the contaminants. Discussions concerning the manner of allocating the Army and Shell's respective responsibilities under the lease, the "Super-

fund" Act (Compensation and Liability Act of 1980 or CERCLA) and other laws have been ongoing.

**THE ARMY DESIGNED**, constructed and operated the waste disposal system at the Arsenal, which **Shell was required to use** for disposal on the Arsenal. Much of the environmental contamination at the Arsenal is due to failures in the Army's waste disposal system, which resulted in the release of substances manufactured by both the Army and Shell, according to the company.

The \$1.9 billion lawsuit fails to take account of the Army's liabilities for its active role as generator, transporter, treater and disposer of hazardous wastes since 1942 -- and for its contractual obligation to furnish to Shell an adequate waste disposal system for all the wastes on the Arsenal, according to Shell.

The amount sought in the government suit is almost 15 times the total amount the Army concluded would have to be spent on a "Contamination Control Strategy." The Army report, issued in late September, 1983, concluded that approximately \$131 million, expended over a period of time going beyond the year 2000, would ensure compliance.

## Company, Medicare benefits change

# New rules in effect on insurance

If your spouse is 65 years old or older, he or she may not have group medical insurance as provided by Blue Cross/Blue Shield (BC/BS) or Shell's Hospital/Surgical/Medical (HSM) plan, unless you take steps to continue that medical coverage.

If a Shell employee is younger than 65, but the spouse is 65 years or older, or if any employee age 65-69 has a spouse age 70 or older, the spouse no longer receives primary medical insurance coverage from the Shell HSM or BC/BS plans. Instead, Medicare becomes the primary carrier for the spouse, which means the spouse must sign up with Medicare to have insurance coverage. If both are age 65-69, the employee can choose Shell HSM or BC/BS coverage for the employee and spouse.

At age 65, Medicare does not automatically go into effect. An individual must enroll in Medicare three months prior to his/her 65th birthday (it takes the government agency that long to get a new applicant on Medicare rolls), or be penalized.

The penalty results in the late applicant paying higher Medicare premiums and, more

critically, delays the applicant's enrollment. If an individual doesn't sign up prior to his/her 65th birthday, he/she must wait until the once-a-year open enrollment, January through March. With the expected three-month delay for paperwork, a person could go a full year without medical coverage.

If all this sounds confusing, blame it on the Tax Equity and Fiscal Responsibility Act of 1984 (TEFRA), said Kali Giebel of Employee Relations. "TEFRA changes in Medicare are designed to reduce federal expenditures by shifting the cost of health insurance from Medicare to private group health plans," she said. "One such method is by requiring companies like Shell to offer employees between age 65-69 the option to continue health coverage under a Company plan or reject that plan and take Medicare as a primary coverage."

Before TEFRA, Shell employees and dependents had to enroll in Medicare and a Shell HSM or BC/BS Medicare supplementary plan at age 65 because BC/BS and HSM stopped primary coverage automatically at age 65. Now the change in coverage only

holds true when a spouse reaches age 65 before the employee. Again, if both employee and spouse are between age 65-69, the employee has the option to continue BC/BS or HSM coverage on both until age 70.

"We do not have records with the ages of spouses, so we cannot send letters to remind them of the need to enroll in Medicare three months prior to their 65th birthday," said Giebel. "However, it is important the employee and spouse be alerted to the need to enroll in Medicare so they can continue to have full health insurance."

Spouses with Medicare as the primary carrier are provided with a Medicare supplement from BC/BS or Shell HSM which picks up medical coverage where Medicare benefits stop.

The changes in employee and spouse coverage does not affect pensioners' medical coverage, Giebel added. Employees should contact their Personnel Liaison Representative if they have questions concerning their own or their spouse's eligibility for medical insurance.

Through payroll deductions

## Savings bonds paying higher interest

During the annual April savings bond campaign, employees are being offered the opportunity to purchase secure, higher interest paying U. S. Savings Bonds through the Shell Payroll Deduction Plan.

Last year the Treasury Department tied interest rates paid on Series EE bonds to amounts the department pays on more popular variable interest Treasury securities. Bonds held for five years or more pay 85 percent of the average market rate of Treasury securities.

Interest rates on Series EE bonds will rise or fall with market rates, but are guaranteed to pay a minimum 7.5 percent if held for five years.

U. S. Savings Bonds remain a safe and

secure investment. Principal and interest are guaranteed by the U. S. Government, and if lost, stolen, mutilated or destroyed, bonds



are replaced without charge. Also, tax on interest earned through Series EE bonds is deferred until the bonds are redeemed.

"Bonds are a way to provide for a child's education or to supplement your own retirement," said Liz Ripley of Employee Relations, who is coordinating the April campaign. "By placing a child's name on the bond, and naming the parents as beneficiaries, a tax-free college fund will grow with the child.

"An employee can later exchange Series EE bonds for Series HH bonds, which pay interest semi-annually, to defer taxes on the interest earned from the EE bonds until after retirement when in a lower income tax bracket."

Employees will receive payroll deduction authorization forms and U. S. Savings Bond pamphlets during April. For more information, contact Ripley on extension 6648.

## Leaders look at model system



**LEGISLATIVE TOUR...** Chuck Rivers, left, talks with Texas State Senators Buster Brown and Carlos Truan during a recent visit to DPMC by the Texas House-Senate Joint Study Committee on Hazardous Waste Disposal. The committee was given an educational tour of DPMC environmental conservation facilities and was briefed on procedures followed at the complex to ensure safe handling of hazardous waste.

Members of the Texas House-Senate Joint Study Committee on Hazardous Waste Disposal toured the Deer Park complex March 16 to get what one committee member called a first hand look at a company handling hazardous waste properly.

The committee, in Houston for one in a series of public meetings throughout the State designed to evaluate how present laws are working and review recommendations the Texas legislature might consider in the next session, visited with Deer Park administrators and environmental employees.

Chuck Rivers, Environmental, reported to the committee, in its session with Shell, on the system DPMC uses to track hazardous waste from generation to final disposal, be that through recycling or reclamation in the refinery or chemical process, detoxification, incineration or land fill.

Rivers told the committee DPMC handles most of its own waste in on-site facilities. He also told the legislative group that laws in effect today are adequate to regulate hazardous waste and the paperwork documenting hazardous waste handling does not overburden Shell. State agencies have authority to inspect plants to assure compliance with laws, he said.

The Texas Hazardous Waste Committee was created by executive resolution of House Speaker Gib Lewis and Lt. Governor William P. Hobby after Senator Buster Brown, a member of the committee, introduced a resolution to look into proper handling of hazardous waste in Texas.

# Blood pressure monitors permanent

Originally installed as part of Medical's annual blood pressure screening program in May 1983, automatic blood pressure monitoring machines were so popular Medical made them a permanent fixture at DPMC.

Presently two blood pressure monitoring machines are in use, one in each cafeteria. One will remain permanently located in a cafeteria, while the other will be rotated to areas of the complex to make the monitoring devices accessible to most employees.

"From the two stations we have now, we will determine the most used machine and leave that one," said Katherine Moore, Medical. "We will rotate the other machine. Presently, we are discussing with managers locations to which to rotate the machine. We need places protected from the weather, with 24-hours accessibility and relatively free from vibrations." The machines sense vibrations to read blood pressure, so any movement will interfere with accurate readings.

Moore said employee feedback prompted the return of the machines. "One of our goals last June was to determine employee acceptance," she said. "We had a high user rate, and many complaints when the machines were taken out."

Many people like to monitor their pressure daily; the machines facilitate that. People monitoring their pressure are prudent, accor-

ding to Moore. The leading cause of death is some form of cardiovascular disease, the forerunner of which is often hypertension. Hypertension, or high blood pressure, often has no observable symptoms. Thus it is wise to monitor blood pressure.

The newly installed machines are proving highly accurate, said Moore. "These machines are brand new. They were shipped directly from the factory and assembled at DPMC. Fred Chapman (of Medical) has

received training to check and calibrate the machines and does so weekly."

Moore said some human factors can cause the machine to give false readings. Factors that may cause inaccurate readings are improper placement of the arm, talking, laughing or squirming while the machine is engaged. Also, measuring pressure after eating or after exercise, including walking from one building to another, will produce a temporary rise in blood pressure.



**READING PRESSURE...**Glen Eberhardt of Maintenance reads his blood pressure after lunch in the North Cafeteria. More than 900 readings were taken during the first week after Medical installed two new machines.

# Deaths of eight reported this month

Eight deaths of employees or pensioners were reported to the Shellegram this month.

Two active employees died in March. Wilburn A. Grady of Environmental Operations - North died March 1. Grady, a 28-year Shell veteran, was 52 years old.

Harry C. Taylor of Distilling died March 9 after a brief illness. Taylor, 31 years old, was

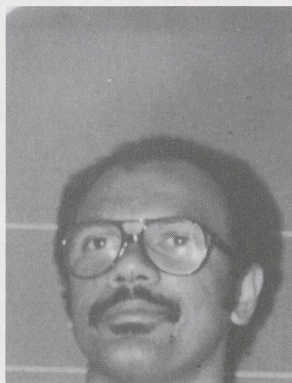
a six-year Shell employee.

Six pensioner deaths were reported. Recent retiree Ernest Wright died March 5 at age 62. The 34-year Shell employee retired in November of 1983.

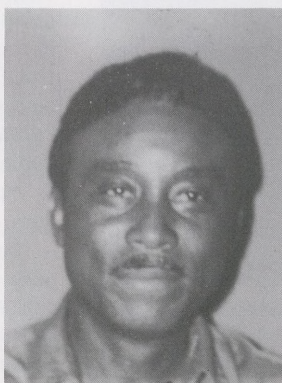
Also dying were W. S. Baker, G. D. Baldaus, J. J. McCardell, L. Campbell and W.

H. Eilers, Jr. Baker, 83 years old, worked for Shell 25 years. Baldaus, 69 years old, worked for Shell 24 years.

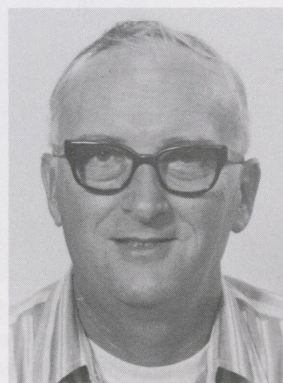
McCardell was a 21-year veteran who was 79 years old. Campbell, who was a 31-year veteran, was 67 years old. Eilers worked for Shell 24 years. He was 59 years old.



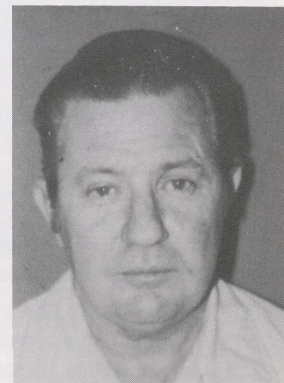
**HARRY C. TAYLOR**



**ERNEST WRIGHT**

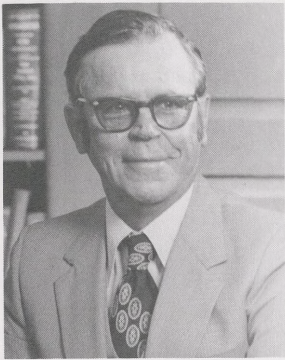


**W. H. EILERS, JR.**



**WILBURN A. GRADY**

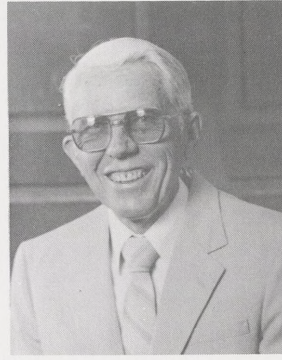
# DPMC Retirements and Anniversaries



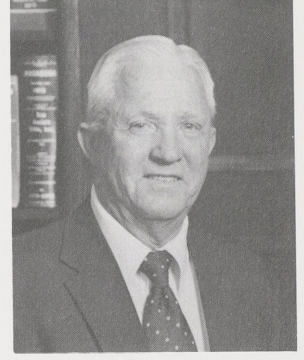
**P. E. CARTER**  
Retired



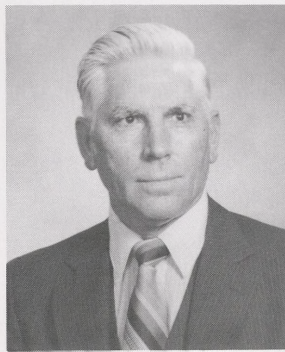
**H. W. DECKER**  
Retired



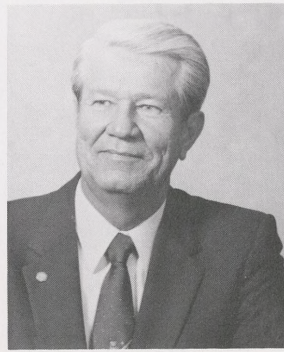
**M. D. EUBANKS**  
Retired



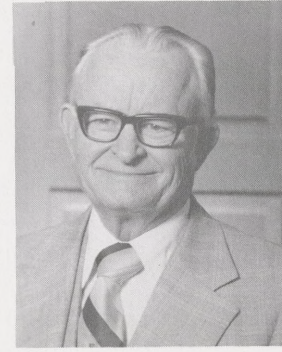
**A. S. KERN**  
Retired



**D. D. KOEHN**  
Retired



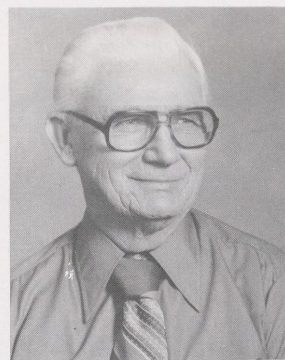
**M. W. ROBERSON**  
Retired



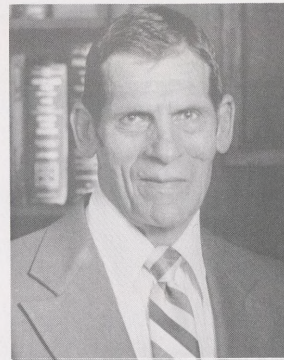
**W. A. MIDDLETON**  
35 Years



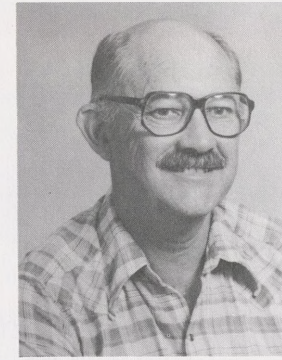
**J. D. LEE**  
35 Years



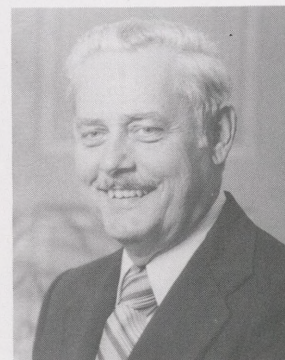
**I. S. CALLAWAY**  
35 Years



**S. D. RAWLINGS**  
30 Years



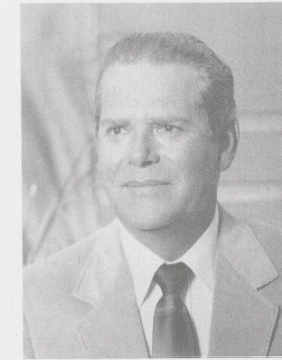
**G. W. BAKER**  
30 Years



**S. M. BEAR, JR.**  
30 Years



**W. A. CARLTON**  
30 Years



**E. L. REIMERS**  
30 Years

Some retirement and anniversary pictures have yet to appear in the Shellegram because employees have not selected prints. If you are in that category, please contact Cheesman Photography and ask that a print be mailed to the Shellegram.

## THANK YOU'S

Earl Roach sends his thanks to employees in the chemical plant garage for his retirement party. Jack Perry thanks DPMC employees for his retirement party and for wonderful friendship through the years. Buster Kern thanks his co-workers for the retirement gifts and the pleasure of working with fine people. Betty and Dale Johnson extend their appreciation for messages and gifts given at their party. Beverly and J. R. "Tommy" Thompson thank their Shell friends for the retirement party and gifts.

# Shell sign replaced

The familiar Shell pecten recently replaced unique, but outdated and costly to replace identification signs that marked entrances to DPMC.

Repeatedly shattered by high winds during 1983, refinery and chemical road entrance

signs suffered a final blow during Hurricane Alicia. Totally destroyed by the storm, the unique identification signs have given way to the standardized Shell marker, the familiar yellow pecten embossed on a red sign.

Since the original signs were not a stan-



**THE UNIQUE Chemical Plant entrance sign was replaced with the standardized Shell pecten.**

...dardized style, each time they were damaged they needed to be remanufactured at considerable expense. The Shell pecten is a common identifying logo used at Shell service stations nationwide and thus much less expensive to replace.

"The modular Shell sign (each letter of the name standing separately) costs \$900 per letter for one side of a sign," said George Williams of Purchasing. "That's \$9,000 for the Shell name on each side of the refinery entrance sign."

The cost to replace the more unique chemical plant sign, with pectens bordering the words "chemical plant entrance," was even greater, said Williams. However, replacement cost of the new sign is only \$1,000 a face (one side of the two dimensional plastic sign.)

Under each new pecten is a square sign identifying the individual entrances. A more durable plastic has been used to prevent frequent wind damage. The need for directional signs was demonstrated during the period the signs were down. "We had so many complaints from visitors, especially those making deliveries, we painted wooden signs as a temporary measure," said Vic Ashe, Maintenance-South.

## Bookout will extend term

On February 20, John Bookout agreed to make plans to continue as president and chief executive officer of Shell Oil until approximately mid-1988. The request for an extension was made by the board of directors.



**TWIN TOWERS...The Chemical and Refinery entrance signs display the familiar Shell pecten. The previous signs were destroyed by Hurricane Alicia.**

## Shellegram

Deer Park Manufacturing Complex

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