

Shellegram

92:7

DEER PARK MANUFACTURING COMPLEX

6-month report card

1992 Health & Safety Direction going well

Editor's Note: Are we keeping it safe, clean and running? Managers report how DPMC fares as we enter the second half of the year and complete six months under the 1992 Health & Safety Direction.

Keeping it safe

The Complex has incurred 19 DPMC and 20 contractor OSHA recordable injuries year-to-date, for an OSHA frequency of 1.7 for Shell employees and 1.8 overall for Shell plus contractors. While we have not achieved our goal of 1.0, this is the best performance ever for Deer Park," says Refining Superintendent JIM NICHOLS. Meanwhile, the Complex is proceeding with detailed action steps as mandated by the 1992 Safety Direction.

To deal with employees in a more mature, positive way, the Complex H&S Order S-105 (Reporting Personal Injury or Illness) has been revised. Key changes are replacement of the FRII form with a short first-aid form emphasizing prevention, not blame. Also, greater discretion has been given to the employee to determine if the injury requires further review or investigation.

The awareness program has been modified to put less focus on "trinkets" and eliminate the "numbers games." "The focus is now on individual prevention activities with meaningful preventive acts," says BILL COIT, Awareness S.A.F.E. Team Leader. The trinkets have been replaced with an American Express Gift Cheque as a recognition award.

The Complex manager has recently restated the seven-day feedback goal requesting a specific status report by all managers on how their efforts in this area are progressing. Each manager is required to have in place programs that display the status of all outstanding near-misses, suggestions and incidents, and to give feedback on their suggestions within seven days.

To reach the goal of simple, clear Health and Safety Orders, the Procedures S.A.F.E. Team has a system in place that will issue new orders only four times per year. Four orders will undergo major reviews in 1992. The first of these, the S-144 (Fire Retardant Clothing), which was issued in May and effective in August, was shortened by 50 percent and significantly streamlined.

To encourage genuine "Walk the Talk," all DPMC superintendents and managers are setting personal goals and communicating them to their work group. Also nearing completion is an effort by the Management Tools and Practices S.A.F.E. Team to develop a description of quality "Walk the Talk."

Upcoming activities include efforts to improve the quality of safety meetings and to encourage the use of tailgate safety meetings. "More information about this simple and effective means of increasing job safety awareness will be forthcoming," says Nichols.

The focus is now on individual prevention activities with meaningful preventive acts.

Also coming to help increase awareness and encourage prevention is communication highlighting the top ways people are getting hurt. The Awareness S.A.F.E. Team is developing this communication, which is to be generated quarterly.

"There has been much work over the first half of the year in reducing workplace injuries," adds Nichols. "Even so, too many of our employees are getting hurt."

Keeping it clean

EPI. "Through the first five months of 1992, our Environmental Performance Index (EPI) stands at 56, says JOHN HOLDEN, manager, Environmental Compliance. "Our goal for 1992 was to not exceed an EPI of 100 for the entire year. We will have to reduce our average monthly EPI to about six through the rest of the year to meet that target. Such improvement is feasible because we had monthly EPIs less than six in March and May. Assuring that future incidents are properly self-reported will help us get back on track toward our goal.

"While our year-to-date average monthly EPI is about 36 percent above our targeted average monthly EPI, we have made considerable progress since last year. At the end of the first five months of 1991 our EPI

stood at 67. Thus, our 1992 year-to-date EPI is 17 percent better than the comparable 1991 EPI. And 1991 was our best year ever."

Exceedances. "Through the first five months of 1992, we have experienced 42 exceedances of regulatory or permit limits. In the comparable period of 1991, we experienced 67 such exceedances. By this measure, our performance has improved by 37 percent."

Keeping it running—Refining

"The reliability performance at Deer Park over the last year has truly been outstanding," says Jim Nichols, Refining Superintendent. "If there are no unscheduled shutdowns between now and the end of the year, our on-stream factor should average 96 percent in 1992. We estimate that some of our best competition in the industry are achieving no better than 95 percent on-stream factors, on average. We're really in the league with the 'best of the best.'"

The 1992 reliability goal for Refining is to have a 95 percent on-stream factor (on-stream factor is the percentage of time a unit is running). To date in 1992, DPMC's on-stream factor has averaged about 90 percent for a weighted average of the seven major process units.

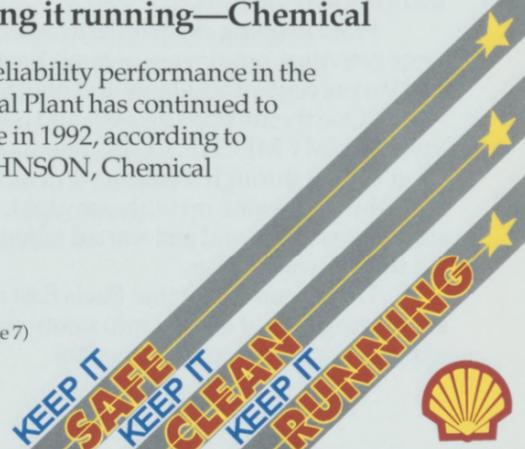
The year-to-date on-stream factor has been heavily impacted by the scheduled major Hydroprocessing turnaround early in the year, according to Nichols, who adds that shutdown activity should be lower for the balance of the year.

"Achieving reliability as good as we have demonstrated is not an easy task. It takes attention to detail and close monitoring of the operation. It takes dedication by all operating and support organizations at Deer Park. Everyone should feel good about what they have contributed toward this terrific accomplishment. Now that we've proved we can be world class, let's stay there!"

Keeping it running—Chemical

Reliability performance in the Chemical Plant has continued to improve in 1992, according to J. D. JOHNSON, Chemical

(See page 7)



Fuels East Red Book a foundation for fundamentals

Paying attention to safety is a tough job. Like anything worth doing, it requires dedication and perseverance. The Fuels East Organization is working hard to continue strong progress toward an injury-free workplace.

"Our approach to safety focuses on the fundamentals," says TOM PURVES, Fuels East superintendent. "It is a mix of management tools—things you just have to do—and leadership tools," adds Purves, tools found in the Fuels East Structured Health and Safety Process, or the "Red Book."

As a supervisor's guide, the Red Book describes what foremen, managers and the superintendent do to manage safety. Sections include

Quality time makes for safety progress

The Red Book is just part of the Fuels East story. Fuels East supervisors realize their personal leadership is also an essential ingredient of continued progress.

"We're working hard on being highly visible in the field," says Purves. "Managers, SOMs and foremen are encouraged to get out of their offices and into the workplace. We're not perfect, but we're getting better."

Area operating foremen are given a day free of normal duties so they can focus exclusively on certain safety activities such as Task Audits or JSAs. This quality time means they can take an in-depth look at workplace practices with operators in one-to-one situations or in small groups.

"On Safety Day I have the opportunity to observe and discuss the safety aspects of our routine activities with the operators and craftsmen. It allows me to get a closer look at a lot of the daily tasks that I might not see when I'm supervising, and then to focus each operator's attention on a safe approach to these activities," says RICK BAKER, operations foreman, Hydroprocessing.

Says Purves, "We are working on the right combination. Management and leadership tools ... you've got to have both to be successful. We were really glad to see the inception of the 1992 Health & Safety Direction. It's very much in line with what we are doing in Fuels, and I think it will make a big difference in our safety performance down the road."

From keeping clean units to coordinating large activities, employees of Fuels East work hard to prevent all accidents and injuries.

"One theme pops up over and over," says TOMMY MECHE, CC&G operator, "'Let's think through it before we do it.' It's something we came up with one night. We had some signs made and just started talking about it. I think it really helps."

There is no doubt that Fuels East folks are putting a lot of energy into safety and fully expect their efforts to be successful. ■

Controlling Unsafe Conditions, which describes the audit processes in use in the three departments; and Controlling Unsafe Acts, which describes how and how often to perform Job Safety Analyses and Task Safety Audits.

Controlling Unsafe Acts also prescribes individual safety contacts, what Walk the Talk is all about.

"Coaching, guiding, auditing, visibility and positive intervention are all elements of Walk the Talk," says JERRY STRENK, manager, Aromatics. "I believe that it is very important for everyone to know that you are committed to those elements and are visible in practicing them. Specifically, emphasis has been on topic-oriented departmental audits and weekly reviews of JSAs/TSAs for jobs in progress."

"With so many responsibilities that are on the Field Foremen, the Red Book being structured as it is, enabled me to better implement the program," says CHAVA GUERRERO, Aromatics foreman.

"Everyone has plenty of opportunity to be involved. Whether it be through safety meetings, unit audits, safety suggestions or

talking to their peers and supervisors, everybody can provide input on how to make DPMC an even better place to work.

A structured process, each level of management has specific responsibilities at various frequencies and almost all of the activities are documented.

Results have been impressive. Fuels East reported eight OSHA recordables and two lost-time incidents in 1986, dropping to three OSHAs in 1991.

Fuels East believes the Red Book itself is impressive, all 57 pages, but Fuels East managers feel they've hit a plateau in improving safety performance so they've extensively revised and simplified it. A new 15-page booklet will soon become the third published edition.

"We were worried that the book was too detailed," says Purves. "We felt that some of the value was being lost in the expense. We're hoping the revision will renew our progress."

Assisting Fuels East in its safety process is CHUCK PETERSON, Refining group leader, Health & Safety, who acts as a consultant on activities including the revision of the Red Book. ■

Safety Word Hunt

Solve this puzzle created by CINDY CARLETON, A/G Dept.

Try your hand at finding these words:

AG DEPARTMENT
SAFETY
ENVIRONMENTAL
QUALITY
PREVENTION
HOWELL
SAFETY ORDERS
BARRICADE TAPE

ISOLATION
APR
HSIP
SQUEAT
AWARENESS
AUDIT
PERMITS
SAFEGUARD

PRECAUTION
POSITIVE INTERVENTION
ANTICIPATE
TAG
HAZCOM
SAFESPOTS
HEALTH AND SAFETY

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EPA visitors see demonstration of innovative fugitive emissions leak detection system

Recognizing the increasing difficulty in properly managing the growing number of monitoring activities and the need for further emissions reductions, DPMC has embarked on a fugitive emissions reduction program that features an innovative electronic leak detection and repair system. The system is designed to achieve 100 percent compliance with anticipated new Environmental Protection Agency (EPA) regulations resulting from the Clean Air Act Amendments of 1990.

EPA representatives were invited to view the system firsthand in field demonstrations conducted recently at the Complex. Also attending were CHUCK WILSON, executive vice president, Products; RAY LOPEZ, vice president, Manufacturing and Technical; and TOM WILLIAMS, manager, Products Health, Safety and Environment, all from Head Office.

The enhanced system, jointly developed by Shell and its contractor SAI, combines a hydrocarbon analyzer with a hand-held computer and a device that reads hole-punched identification tags. The hole-punched tags, similar to hotel room access cards, are affixed to the valves, flanges, pumps and other equipment sources whose potential fugitive emissions must be monitored.

At the beginning of a work period, the mainframe computer program COMPLY downloads a monitoring schedule to the hand-held computer. An operator then conducts the monitoring in accordance with the preset



SNIFFING AROUND—Holding the sample probe from the hydrocarbon analyzer (sniffer), Eric Lookofsky (front left) demonstrates to EPA visitors how an operator would check a valve for fugitive hydrocarbon emissions. The new fugitive emissions system is being introduced at the Complex in expectation of more stringent environmental regulations expected to take place in the near future. Others pictured are (back, left) Chuck Wilson; (middle) Hank Habicht, U.S. EPA deputy administrator; and (right) Buck Wynne, Region VI EPA administrator.

requirements in the hand-held computer. The operator inserts each source's tag into the tag reader for accurate identification and monitors emissions using the hydrocarbon analyzer.

The results of the monitoring are automatically stored in the hand-held computer and then uploaded to COMPLY, which analyzes the results, schedules any required repair and follow-up testing, prepares status reports, and stores the data for future reference.

"This innovative use of technology improves the accuracy of Shell's inspection and monitoring program by reducing error-prone paperwork and provides better quantified documentation," says JOHN HOLDEN, manager, Environmental Compliance.

"We recognized that an environment in a petrochemical facility tends to be very demanding, and unlike bar codes, the hole-punched tags have proven capable of withstanding paint overspray, oil and grease, sun and heat without decreasing their readability," says ERIC LOOKOFSKY, Process Engineering/Environmental Utilities, who performed the field demonstration.

Shell Deer Park had previously been using a system of manual recordkeeping to document and manage its fugitive emissions programs. Approximately 350,000 monitoring events are presently conducted each year at DPMC at specific intervals and with specific techniques. A record of each monitoring event is kept and reports are filed with regulatory agencies. If a monitoring event indicates an emission greater than a specified amount, regulations require

additional tagging, repairing and retesting.

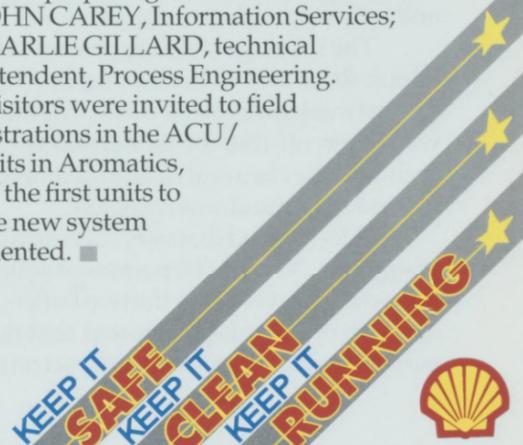
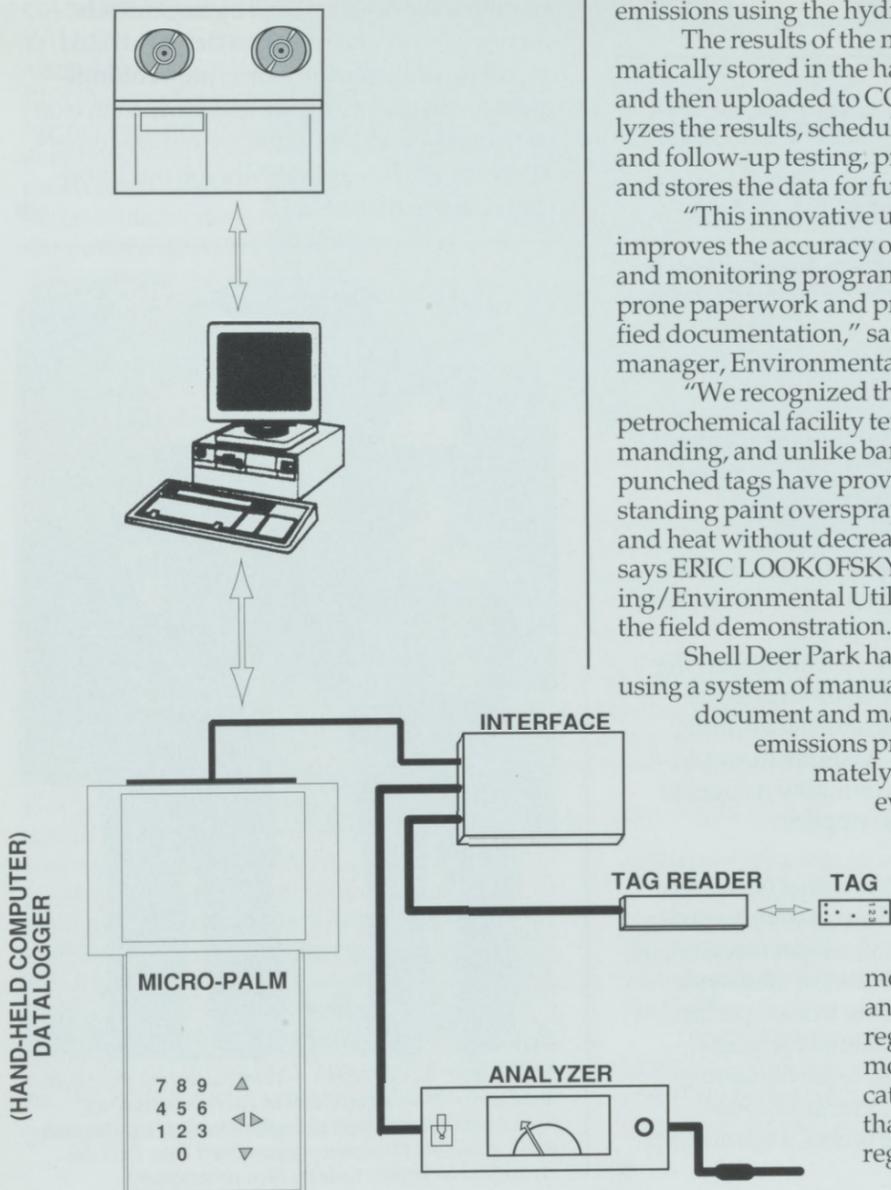
"Our quality model for environmental compliance told us that training our personnel and providing them with a better tool to monitor their performance is the appropriate preventive action," says RANDY ARMSTRONG, Process Engineering/Environmental Utilities, who also demonstrated the system to the visitors.

New EPA regulations are expected to significantly increase the number of sources subject to such programs and lower the level at which repairs are required. The Complex estimates that it will need to conduct approximately 600,000 monitoring events each year and raise the work years of effort spent on monitoring from 16 to 27 after the new regulations are fully in effect. The announcement of the implementation is expected within the next year.

"We believe the EPA visitors were significantly impressed with the demonstration of how burdensome their proposed regulations are and also impressed with Shell Deer Park's interest in developing a process to comply with those regulations," says Holden. "It's becoming recognized by outsiders as the type of system that many of our competitors will want to use," he adds.

Others instrumental in designing the system and preparing for the demonstration were JOHN CAREY, Information Services; and CHARLIE GILLARD, technical superintendent, Process Engineering.

Visitors were invited to field demonstrations in the ACU/BEU units in Aromatics, some of the first units to have the new system implemented. ■



Utilities conducts "spring cleaning"

It started happening after the freeze of 1989.

Scale was accumulating inside the tubes of two boilers, causing periodic failures and resulting in shutdowns.

Utilities Production people knew just what had caused this. When the efficiency of the water treaters was reduced during the freeze, personnel were forced to use partially treated water and off-spec condensate in the boilers in order to keep making steam. The poor-quality water was laying down a hard scale, coating the inside of the boiler tubes.

"What that does functionally is decrease the heat transfer rate through the wall of the tube so that the heat on the outside from the burners is not transferred through the tube wall and into the water. The scale sort of insulates the water from the heat on the outside," says B.T. WAGGONER, manager, Utilities Production.

Waggoner explains that the tube surface itself then begins to heat up until it reaches a point where it fails. The metal gets weak and finally results in failure. "That's how this 'dirty boiler' condition manifests itself in tube failures," adds Waggoner.

Waggoner knew his department was faced with having to shut down the boilers to conduct a chemical cleaning to remove the scale. But that wasn't something that could be accomplished overnight. The timing had to be right, during a regularly scheduled turnaround. That time came in the spring of this year.

A team of Logistics people was formed, headed by RON NOVOSAD, Process Engineering—Refining/Logistics. Core team members were DAVID CHAPMAN, ETSO; TYLER HUBER, TSO; and RUSTY HARRISON, SOM.

The team selected a contractor which tested some tube samples and designed a procedure for cleaning the boiler.

"As it turned out, cleaning the boiler was a piece of cake, but cleaning the waste before we could send it to the effluent treater required a significant amount of effort," says Waggoner.

The scale composition included high levels of copper, a metal whose outfall requirement is "extremely low," according to Waggoner. In order to discharge the outfall, the copper-bearing wastewater had to be cleaned up in a low parts-per-billion range.

"What that took was building a process unit which covered a good-size city block—tanks, mixers, scrubbers, filter presses, ion exchange units, neutralizers, all kind of processing equipment to treat the waste once it came out of the boiler," he says.

The team's job was to plan the cleaning so that the job would be done properly, safely and with no environmental incidents.

The six-stage cleaning process went well. It took about a week to clean the first boiler and several weeks to treat the waste. The other boiler was taken off-line for its normal turnaround cycle and the chemical cleaning commenced after the turnaround was complete.

"I feel we did that very successfully," says Waggoner. "Over 7,000 pounds of scale deposition was removed from the two boilers. Post inspection of the tubes indicated that they were very clean. We also had zero impact on the efflu-

ent treater. The people organizing and executing it did an excellent job. Unfortunately we had one lost time accident—a contractor suffered a hernia from lifting a sack of diatomaceous earth used in the filtering process."

Waggoner's group learned a lesson from the experience. In order to avoid a multistage cleaning process like this one, they're going to a less complex cleaning process every turnaround, which will also mean less aggressive cleaning chemicals. Waggoner anticipates using citric acid in future cleanings—the main ingredient in lemonade.

"We're instituting an ongoing program of preventive cleaning each and every turnaround, the quality way of approaching the operation of those boilers," says Waggoner. ■



Gary Aklen (middle), just out of operator training class #165, was nominated by his peers for outstanding safety. Bob Timmons, instructor (left) presents the award, while Phil Abowd, co-instructor looks on.

Quality awards presented for water treatment

The Shell Oil Water Treating Quality Awards went to two DPMC suppliers for outstanding service in 1991. TONY NAVARRETE of Betz and FRANK KADE of Calgon received plaques presented by RAY LOPEZ, Manufacturing and Technical, Head Office, at a banquet held recently.

The Products Water Treating Steering Committee, made up of water treating personnel from each manufacturing location, along with JIM SMITH, Manufacturing & Technical, Head Office, annually recognize the top water treatment supplier representatives.

This is the second year that Navarrete and Kade have received the quality awards.

Water treating service representatives at all manufacturing locations are rated and ranked annually according to their performance. Categories considered are safety, environmental, response to job demands, problem solving, cost, communications, leading and developing others, and meeting business objectives. ■

Carrier of the Year awarded to Mission

DPMC recently named Mission Petroleum Carriers, Inc. "Carrier of the Year—1991" for Lubricants in an awards luncheon held recently.

Accepting the award was Mission Petroleum Carrier President ARCH KELLY, Director of Operations JOHN FEATHERLY, Manager of Sales & Marketing DAVID FONTENOT, and Houston Terminal Manager CURTIS ELLIOTT.

Shell was represented by BOB AWE, manager Programs, Planning & Logistics, H.O. Lubricants; RICK GEIMAN, senior Product representative, Upstream Lubricants; BRIAN FELKER, manager, Land Transportation-Products Traffic; ALLEN JEWETT, manager Oil Traffic; JOHN GRIFFITHS, superintendent Operations West/Lubes; BEVERLY REYNOLDS, Lubes Customer Services; and LEE KUNKEL, supervisor, Lubes Customer Services.

Mission Petroleum Carriers won the award for the third straight year.

Kelly comments that "Mission has determined that its future growth will be tied to its key customers, of which Shell Oil and Shell Chemical are most prominent."

Says Griffiths, "Shell's success in making on-time and on-specification deliveries of lubricants to its customers is dependent on the quality of service provided by key carriers such as Mission. Mission has demonstrated excellent safety performance, high commitment to quality principles and worked in true partnership with Shell to serve our customers. These factors have made Mission our Lubricants Carrier of the Year." ■



PARTNERS IN QUALITY—Tony Navarrete, (left) Betz; and Frank Kade, Calgon water treatment contractors, receive quality awards for exemplary service in water treatment. Kade and Navarrete support Shell Deer Park are recognized corporate-wide for their achievement.

Local agency says support critical

United Way, Shell and others discuss United Way developments

Following a very successful fund-raising campaign in 1991, DPMC United Way campaign staff are prepared to begin 1992's campaign with renewed vigor toward bettering last year's efforts. The staff kicks off on the heels of media attention over management practices at the United Way national organization.

How does the controversy affect the United Way of the Texas Gulf Coast? What is the relationship between United Way of the Texas Gulf Coast and United Way of America? These and other questions are being discussed within and outside the local Gulf Coast Chapter.

United Way of the Texas Gulf Coast has been holding forums with companies to explain their role with the national organization and to answer questions and concerns, in addition to meeting with its own volunteers and staff to improve understanding of the recent events.

In addition, memorandums to DPMC employees from DPMC United Way Campaign Co-chairs JOE GANDOLFO and VERA WILSON and General Manager of External Affairs W.F. BUTIN have been circulated to further explain United Way events making news. The most recent news to come out of the controversy is the announcement that the Board of Trustees of the United Way of the Texas Gulf Coast voted recently to reduce its dues to the United Way of America by 33 percent. The board approved total dues of \$400,000, down from the proposed \$597,600 for this year.

"Houston receives great value from the United Way of America, both in terms of the national brand name that represents united giving in America and in training and services for our staff in Houston," said DAVID J. KIRKPATRICK, interim president of the United Way of the Texas Gulf Coast, in a recent press release. "We want to support the United Way of America in the good work that it does, but we also want to send a message to them from Houston that we insist on tighter fiscal controls. They have already moved to put those controls in place, but we want to see that process continue."

Kirkpatrick temporarily replaces former president of United Way Texas Gulf Coast BILL SCHWANEKAMP, who resigned in March to take a position with the United Way of America

in Alexandria, Va. His 29 years of experience with the United Way system have been tapped by the national office to assist with rebuilding efforts. His new role will be to act as a liaison between the United Way of America and the local

allegations, and satisfactorily answer any questions that you may have concerning the recently publicized management practices at the United Way of America." Attached were comments from Butin, who outlined the

involvement of the Texas Gulf Coast organization and provided some answers to questions that Shell employees might have.

"It is important to point out that the UWTGC is an independent affiliate of the United Way of America," said Butin. "Ninety percent of the money donated to UWTGC is allocated to member agencies within the Houston area. In addition, over 700 local volunteers decide where and how the money will be used. If one chooses to cancel his contribution or opt not to give in the future, it would only hurt local citizens who need our help, and it could ultimately affect the quality of life in Houston."

Butin added that employees who wish to voice their concerns or make suggestions, should do so through a fax form sent to KENNETH DAM, interim president of United Way of America, or they may write or call SHONA SINISI BASCON, Shell's United Way coordinator, OSP 1509. Bascon also has the fax forms that can be sent to Dam.

Sheltering Arms, a United Way Agency established in 1893, has been a charter member of United Way of the Texas Gulf Coast since 1922 and receives 40 percent of its budget, \$2 million, from the Gulf Coast chapter. Says President ROBERT PHILLIPS, "if we lost that \$2 million today, there's no way we can make that up with our own fund-raising."

Phillips says United Way's support of their agency is "absolutely critical."

"We use United Way funds to help leverage other funds as well. This way,

we're able to maximize United Way funding significantly, both in terms of dollars and support they provide us. If we had to contract out for fund-raising assistance, it would be expensive, compared to what we get through United Way." ■

Straight facts about United Way

The pamphlet "Questions & Answers: Straight Facts About the United Way of the Texas Gulf Coast" has been prepared by the Texas Gulf Coast Chapter. It answers some questions that contributors might have as the season for giving is coming upon us. Following are excerpts from the pamphlet.

Q: What is the United Way of America?

A: The United Way of America is a national service and training center. It provides leadership and support and a wide variety of services to a network of more than 2,000 community-based United Ways throughout the nation. Direct and indirect financial benefits from United Way of America are estimated at more than \$27.5 million in tangible and intangible, valuable services.

Q: What is the relationship between United Way of the Texas Gulf Coast and United Way of America?

A: The United Way of Texas Gulf Coast operates independently and is guided by a local volunteer Board of Trustees. The UWTGC pays dues to UWA in exchange for a variety of benefits that include: national advertisements with the National Football League; films, materials, staff and management training and a clearinghouse for in-kind gifts from major companies throughout the country; network for disseminating best practices and innovations for addressing critical community issues.

Q: What is the controversy surrounding United Way of America?

A: A recent investigative report revealed mismanagement of operations under the leadership of UWA President WILLIAM ARAMONY. As a result, the chief financial officer was terminated and the resignation of Aramony was accepted. A number of controls have been put in place under the leadership of Interim President KENNETH DAM that include implementation of a wide range of policies on hiring, compensation and benefits that will apply at all levels of the organization, and a reduction of the 1992 budget by 21 percent.

Q: Could this happen here?

A: No. Each year, the UWTGC is audited by an independent accounting firm to ensure proper stewardship of funds. In addition, a 45-member volunteer board and volunteer committees carefully monitor every part of the operation.

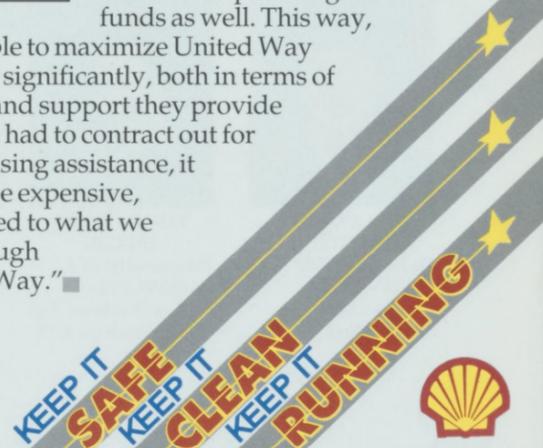
Q: How much does UWTGC pay in dues and will they continue to pay them?

A: UWTGC has been a voluntary member of UWA for many years. During this time, dues have been a percentage of funds that approximated 1 percent, except for the period starting in 1987, when dues were calculated at 80 percent of the normal. In 1991, dues were \$569,000, which was paid before the national controversy surfaced. A special dues committee consisting of trustees of the UWTGC members recommended that national dues for 1992 be paid at \$400,000, 33.1 percent less than what would have been calculated under previous funding guidelines. Dues will be paid on a quarterly basis so that a review can be made to verify that UWA is continuing to make progress on the reforms and other actions they have announced. ■

affiliates across the country.

A presidential search committee has been formed under the leadership of United Way board member JACK LITTLE, executive vice president, Exploration and Production, Shell Oil.

In the May memorandum, Gandolfo and Wilson said "before we can move forward with the challenges facing us in 1992, it is important that we address the issues and





Congratulations, 1992 graduates!



STEPHANIE RAE ALLEN
Daughter of RAY ALLEN, Utilities/Systems. Graduate of Deer Park High School.



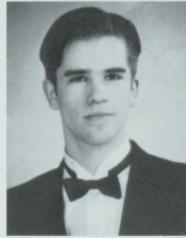
LINDA DIAN BALLARD
Wife of DAVID L. BALLARD, Logistics. Graduate of San Jacinto College. Associate of Applied Science, Nursing.



LYNN ANN BARRON
Daughter of CHARLES H. BARRON, Processing Engr.-Ref. Graduate of Tomball High School.



TIFFANY DEVAUGHN BLACKMON
Daughter of HAVARD L. BLACKMON, retiree. Graduate of Mt. Carmel High School.



ERIC P. BRADLEY
Son of DEBRA S. ELLIS, Chemical Admin. Graduate of Sam Rayburn High School.



STEPHANIE BRYANT
Daughter of M.F. BRYANT, Project Engineering. Graduate of Sam Rayburn High School.



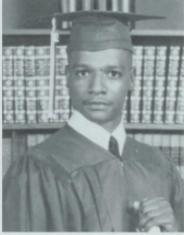
SHANNON CARMICHAEL
Daughter of JIM CARMICHAEL, BD/HT/IP. Graduate of La Porte High School.



BRANDON O'MARI CARTWRIGHT
Son of CHET SERVANCE, Logistics; and VERONICA SERVANCE, Cust. Int. Graduate of Robert E. Lee High School.



SCOTT CHAPA
Son of KATHY CHAPA, Human Resources. Graduate of Deer Park High School.



KERWIN L. COLBERT
Son of ROB COLBERT, Light Olefins III. Graduate of Northshore High School.



ANNETTE L. DISCH
Daughter-in-law of SHIRLEY DISCH, Human Resources. Graduate of University of Houston. Doctor of Jurisprudence.



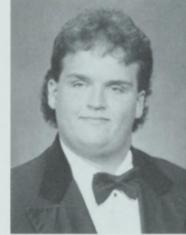
KRISTI LYNN DODSON
Daughter of VIRGINIA A. DODSON, Lube Logistics. Graduate of Ross S. Sterling High School.



MICHAEL JEVON GLASS
Son of LAWRENCE C. GLASS, Process Chemistry. Graduate of Clear Lake High School.



TISHA GREGSTON
Daughter of JIM ENGBROCK, Cat Crack. & Gas. Graduate of Deer Park High School.



JIM HALL
Son of MELBA HALL, Business Services. Graduate of Deer Park High School.



BRIAN JOSHUA HARRELL
Son of H.N. HARRELL, Resins Maint. Graduate of J. Frank Dobie High School.



TRACIE DENICE HART
Daughter of MICHAEL BRISCO, Control Systems/Instr. Graduate of Ross S. Sterling High School.



LISA ANN HEACOCK
Daughter of G.T. HEACOCK, Automotive. Graduate of Deer Park High School.



MARIO HERNANDEZ, JR.
Son of MARIO HERNANDEZ, Logistics Docks. Graduate of J. Frank Dobie High School.



MARTHA LYNN HOOD
Daughter of D.G. HOOD, retiree. Graduate of University of Houston. M.S. in Occupational Education.



SANDRA HOPKINS
Daughter of JESS HOPKINS, Business Support/Oprns./Chem. Graduate of Bellaire High School.



DARLENE COLLETTE HURT
Daughter of DARRYL HURT, Control Sys/Instr. Grad of Univ. of Houston. M.A. in Sociology.



SARAH J. HYDE
Daughter of MARVIN R. (DOC) HYDE, Phenol Acetone/Util. Graduate of Deer Park High School.



NINA S. JACOB
Daughter of SAM JACOB, Control Systems. Graduate of Clear Lake High School.



JENNIFER DEANN JONES
Daughter of K.W. JONES, Pyrolysis III. Graduate of Barbers Hill High School.



GABRLE RAY JUAREZ
Son of SAMUEL Y. JUAREZ, SR., Instrumentation. Graduate of Pasadena High School.



DAX DAVIN KIEFER
Son of F. DOUG KIEFER, Central Maint./Paint. Graduate of Deer Park High School.



MICHELLE KRIEDEL
Daughter of MICHAEL KRIEDEL, E Dept. Graduate of Clear Lake High School.



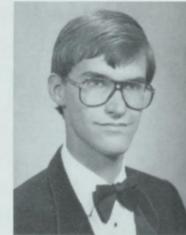
BRIAN LASKIE
Son of F.D. LASKIE, Resins Maint. Graduate of Deer Park High School.



CINDY DARLENE LEACH
Daughter of KENNEY LEACH, LO-3. Graduate of La Porte High School.



CHARLES M. MERDIAN
Son of DON MERDIAN, Process Engr./Resins. Graduate of Texas Christian University. BBA in Accounting.



JOHN MORRIS
Son of DELORES A. KENNEDY, North Lab. Graduate of Deer Park High School.



NATHANIEL NELSON III
Son of NATHANIEL NELSON, JR., BPA-4. Graduate of Ross S. Sterling High School.



PETE ORTIZ
Son of PETE A. ORTIZ, Phenol Acetone. Graduate of J. Frank Dobie High School.



MEREDITH RENEE PRINCE
Daughter of T.C. PRINCE, Central Maint./Machine. Graduate of Pasadena High School.



TERRY LEA RAMSEY
Daughter of KATHERINE J. MOORE, Medical. Graduate of Lyndon B. Johnson School of Public Affairs. M.A. Degree.



SHANNON RISINGER
Son of MARSHALL RISINGER, Eng./Maint. Grad. of Univ. of Houston-Clear Lake. Bachelor's Degree in Business Admin.



KIMBERLY ANN ROACH
Daughter of DON ROACH, Automotive. Graduate of Deer Park High School.



DR. CYNTHIA BULLARD SLATON
Daughter of FLORENCE BULLARD, North Lab. Grad. of Univ. of Houston. Doctor of Optometry.



ANTHONY MICHAEL SWARTZ
Son of BETTY M. SWARTZ, Lube Manufacturing. Graduate of Dickinson High School.



JESSICA RAYLENE TWITTY
Daughter of EDDIE TWITTY, Control Systems. Graduate of Pasadena High School.



TAMARA DENISE VAUGHN
Daughter of BILLY R. VAUGHN, Railroad. Grad. of Clear Brook High School, Friendswood, TX.



MELINDA H. VEGA
Daughter of O.T. VEGA, Env. Compliance. Graduate of Liberty High School, Liberty, TX.



KELLY L. WALSH
Daughter of R.A. WALSH, Olefins. Graduate of Clear Lake High School.



FILECHA JANEL WASHINGTON
Daughter of H. JAY WASHINGTON, Railroad. Graduate of John Foster Dulles High School, Sugar Land, TX.



DEANNA KAY WOLF
Daughter of JOE M. WOLF, Central Maint./Paint. Graduate of New Caney High School.



GINNY L. YOUNG
Daughter of RICHARD B. YOUNG, BD/HT/IP. Graduate of Pasadena High School.

Video shows how to
avoid heat stress



Be prepared to beat the heat

"It can be a jungle out there..." So begins the training video about heat stress, whose purpose is to help employees identify the symptoms of heat stress levels and learn how to prevent it. "Avoiding Heat Stress" was viewed in safety meetings across the Complex in May, in preparation for hot weather ahead.

Heat stress is a summer-weather condition caused by the body's overheating during exposure to warm temperatures. As the tape goes on to say, "Heat stress can be mild, moderate or severe. It's important to know the warning signs for each level and how to prevent it from progressing to a more severe stage."

The type of clothing you're wearing, work load, temperature of the environment, humidity and air movement affect heat stress and your reaction to it. Heat stress symptoms range from sweating to loss of consciousness. If mild, rest in a cool or shady area and drink water or other fluids (no salt tablets). Seek medical assistance if symptoms persist. If se-

vere, get medical assistance immediately.

There are many ways to prevent heat stress. Prepare yourself physically for heat exposure, drink plenty of fluids before and during work, exercise regularly and take breaks on the job if you feel too hot, acclimate your body to heat, and take steps to reduce the risk of potential heat sources. If the ambient temperature at a job site is more than 95 degrees, contact a Health & Safety representative in that case.

The Health & Safety Department is pleased to report no heat stress incidents this year, through May, compared to three cases in 1991.

Viewers of the tape also received plastic cards attachable to badges—a review of heat stress warning signs, solutions and treatments.

To request the "Heat Stress" video, contact the Training Department Library through RMDS/Complex Functions/Training/Video Information. Request #628 or browse to locate other heat stress videos. ■

Report Card

Continued from Page 1

Superintendent. "Average stream factor for scheduled operating time has increased from 91 percent last year to 96 percent thus far in 1992, a noteworthy accomplishment which all Chemical employees should take pride in," says Johnson. Other Chemical reliability performance measures are:

- Actual Production versus Plan:
Goal = 98+ percent
1992 YTD = 94 percent
- Turnaround Completion
Schedule Goal
+/- 1 Day
1992 YTD = +0.5 Day

Six of twelve Chemical units completed successful turnarounds during the first half of 1992, "thanks to outstanding efforts by Deer Park's Turnaround Planning group and our Chemical employees," says Johnson. "We are looking forward to completion of our three remaining turnarounds for 1992 within our goal.

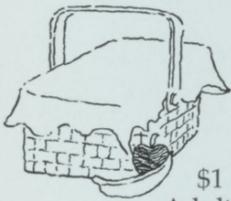
"With our recent reliability performance and our turnaround performance thus far, we feel the stage is set for us to achieve our reliability goals and continue improving our reliability performance," Johnson adds. ■

SCORANOTES

Editor's Note: The editor apologizes to readers who happen to receive issues of the Shellegram after a SCORA event has taken place or after the deadline to register for an event has passed. Every effort has been taken to announce SCORANOTES activities in a timely manner, but some delays are beyond our control. To make sure you're informed, please consult the SCORA calendar on PROFS for a listing of upcoming events or call the SCORA Hotline, X-6-6975 (246-6975).

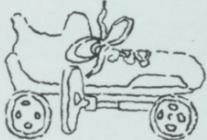
Golf Scramble

SCORA Golf Scramble is Aug. 22. Signup deadline is Aug. 14. Members \$35, guests \$37.50. Send entry to CHARLA BAKER, Fuels 250, and entry fee to BILLIE DANIEL, North Admin. 124.



Annual picnic

The annual SCORA picnic is at Lenox Ranch, Sept. 12, from 11-6 (serving starts at 12:30). Everyone pays \$1 to enter grounds. Guests: Adult \$8; children \$5 (12 and under; under 3 are free).



Skating

Let's skate Aug. 19 from 6-9 p.m. at the Sports Page Roller Rink. Members free, non-members \$2.50. Call the SCORA Hotline, x6-6975 (246-6975), for more information.



Camping

Rough it from Sept. 4-7 in New Braunfels (River Rd. Campgrounds). Send \$10 deposit to Billie Daniel, N. Admin 124, or call the SCORA Hotline at X6-6975 (246-6975).

Volleyball results



SCORA spring 1992 volleyball season came to a close with the "Slap Happy" Team taking first place in the end-of-season tournament with no losses.

The regular spring season was won by the "No Netters" Team, who went undefeated through regular play.

The 1991 fall season was the most unique, however, with the "Better Netters" Team accomplishing a feat that may go unequalled for some time. They not only went undefeated in the regular season play, but went on to sweep the 1991 fall tournament without a loss.



SLAP HAPPY—Members of the 1992 spring tournament volleyball winning team are: (back row, l-r) Gary Machetta, Steven Henry, Mike Henry, Walter Henry, and Bill White; (middle row) Jeri Cayton, and Ginny Roberson; (front) Mike Cayton

"Congratulations to all teams and individual players, who helped make volleyball a lot of fun and a great success!" says DALE ELDRIDGE, Central Maintenance.

The next volleyball season begins in late August. The sport is co-ed (at least two female players per team) for SCORA members, their spouses and dependent children ages 16 through 21.

Teams are now forming and the league would like to see more new faces. Contact MARY HALEY at X6-6290 (246-6290) if interested.



NO NETTERS—Members of the 1992 spring season volleyball winning team are: (back row, l-r) Curtis Gandy, Charlie Guerrero, and Daniel Rivera; (front row) Rusty McConnaughey, Sandy Bright, Mary Guerrero, Vicky Rivera, and Richard Palacios.

KEEP IT
SAFE
KEEP IT
CLEAN
KEEP IT
RUNNING



MILESTONES

Service Anniversaries

45 YEARS

W.P. STRICKLIN
Engrg. Services

30 YEARS

R.E. FORTMAN
Econ. & Sched.

25 YEARS



J.C. PEEBLES
Log./Util. Sys.
(above, May)
K.C. STARNES
Analytic Lab
T.F. STUS
Projects

20 YEARS

K.W. JONES
Pyrolysis III

15 YEARS

L.D. ADAMS
Shutdown Plng.
D.R. ASBERRY
Hydroprocessing
R.O. BAILEY
Aromatics
R.C. BALL
Engrg./Maint./Ref.
P.F. BANKS
Solvents/Dist.
J.M. BOWERS
Engrg./Maint./Chem.
I.W. BRADEN
Engrg./Maint./Chem.
C.L. BROWN
Solvents/Dist.
D.R. BROWN
Pyrolysis III
L.D. CHANEY
BPA/Flak & Dist.
D.E. DODD
BPA4/Op.
W.D. DYESS
BPA/Flak & Dist.
W.E. GLAVE
Process Engrg./Ref.
C.J. GONZALEZ
Log./Util. Prod.

S.R. GRESHAM
Control Systems
J.C. GUTIERREZ
Light Olefins
P.R. HARP
Maint./Ref. Lo
S.D. JOHNSON
Log./Dispatch Docks
W.W. KIRBY
Solvents & Dist.
W.M. KNOTT
Health & Safety
J.S. KYNE
Light Olefins
B.G. LAIRD
Resins/Maint.
G.R. LINDIG
Major Resins
F.L. LOMAX
Aromatics
R.D. LUTHER
Solvents/Dist.
H. MARTINEZ
Solvents/Dist.
R.C. MAYFIELD
BPA/Manufac.
E.J. NOVOSAD
Engrg. Maint./Chem.
P. PERKINS
Pyrolysis III
C.M. RODRIGUEZ
Solvents/Dist.

M.A. RODRIGUEZ
Engrg./Maint./Ref.
R.C. SACKETT
Qual Assur. Lab-Ref.
C.S. SCHLEMMER
Control Systems
J.W. SCHROEDER, JR.
Engrg./Maint./Chem.
L.J. SCOTT
BPA/Flak. & Dist.
V.H. SLOTERDIJK
Pyrolysis III
G.J. SMITH
BPA/Manufac.
R.J. SOLIZ
Solvents & Tr.
C.E. WALKER
Solvents/Dist.
E. WILLIAMS, JR.
Engrg./Maint./Chem.

10 YEARS

L.D. ALEXANDER
Welding Shop
G.G. GREIVENKAMP
Process Engrg./Chem.
W.L. MAYHALL
Central Maint.

DPMC WELCOMES

M.W. BAKER
Control Systems

L.G. BARNES
Central Maint.
K.R. BOMBARD
OTU Training
D.G. GARDNER
OTU Training
E. GOMEZ-LEON
Mechanical Equip.
J.P. GUICO
OTU Training
R.S. HARRIS
Control Systems
E.L. MARSHALL
Central Maint.
K.W. MATTILA
OTU Training
W.L. MAYHALL
Central Maint.
J.D. NEMETH
OTU Training
R.P. OEN-MITCHELL
Central Maint.
G.F. PETTY
OTU Training
S.D. REINE
Human Resources
A.F. SUHL
Business Services
N.J. VECCHIO
Control Systems
J.W. WOOLDRIDGE
OTU Training

RETIREMENTS

K.W. DAVIS
PE Chem./Resins



V. LAUREL
Docks
(above, Feb.)
J.W. LOCKHART
A.G Dept.
C.F. THOMPSON
Hydroprocessing

MEMORIAM

V.C. HOWELL, retiree, died
May 15 in Baytown, TX

ANNOUNCEMENTS

Make plans for Ten & Over Party

The Ten & Over Party is set for Saturday Sept. 19. at the John Ray Harrison Convention Center in Pasadena. The party is open to active employees and retirees with 10 or more years of DPMC service.

Isaacs wins awards

MARX ISAACS, retiree, has been honored by two international technical societies this year. Isaacs has edited a newsletter for the Environmental Division of the American Institute of Chemical Engineers (AIChE) for 21 years. The newsletter has honored Isaacs by naming the award the "Marx Isaacs Outstanding Newsletter Award." He has also been elected Fellow of the Society for Technical Communication, an honor held by only 70 out of a total membership of 15,000.



Marx Isaacs

CLASSIFIEDS

FOR SALE: 1968 Fleetwood Cadillac Classic antique car. Contact VINCE MAGGIO, 643-9802.

FOR SALE: Must sell to settle estate. 2-year-old Schult mobile home 18 x 56 two bedroom, two bath. Built-in china cabinet. Home on 2 lots (120 x 120) with work storage building on back lot. One mile from Lake Livingston Dam off FM 1988. Contact Mrs. Harold H. Vaughan, 409/365-2080.

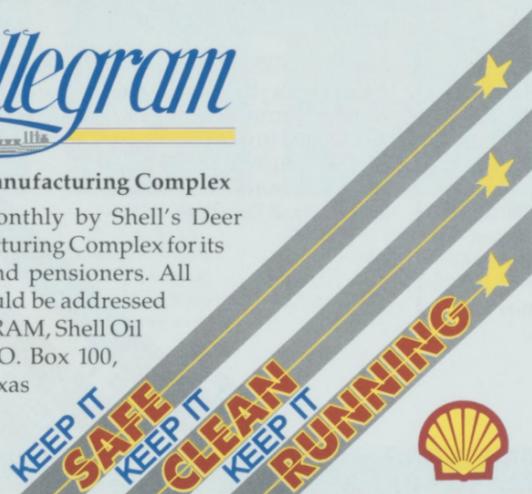
FREE: 6-week-old kittens, 2 ladies, 2 gentlemen, medium to long hair. Cuddly, adorable, lovable. Litter-trained. Keeshond dog 1-1/2 years old, w/ papers \$75; w/o papers—free. Good watch dog. Call MARILYN WILLIAMS at 473-3746.

WALK THE TALK TOGETHER TOWARD WORLD-CLASS PERFORMANCE

Shellegram

Deer Park Manufacturing Complex
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Editor
Alayne Merenstein



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