



WOOD RIVER REVIEW

WOOD RIVER MANUFACTURING COMPLEX



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UCC Computer Project Nears Completion

The Utilities Control Center computer system is now 90 percent complete. The system, which will eventually monitor utilities systems complex-wide, will play a key role in reducing utilities consumption and saving money on the Complex's fuel bill.

Included with the UCC computer is a Honeywell TDC (Total Distributed Control) system which is used to gather information for the computer and to control the steam and electrical generation.

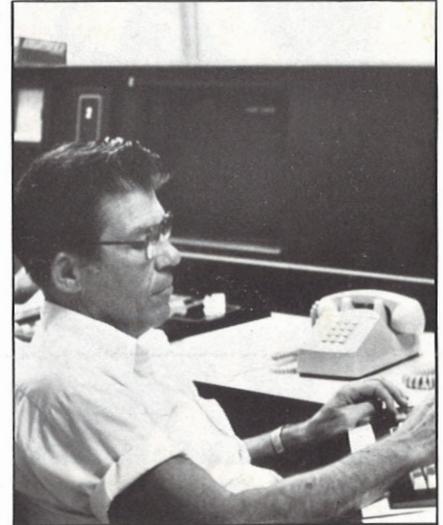
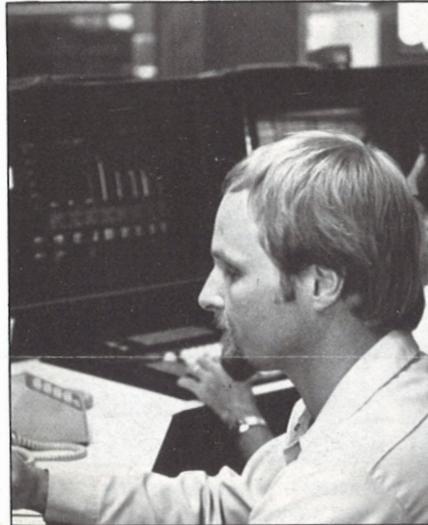
The UCC computer is designed to function in two capacities; 1) gathering information on utilities usage for use by operators and 2) control of boiler loading and the fuel system. The computer will provide extensive system information, which will be used to reduce vents and flares. Controlling steam generation is very important because of the large quantity of fuel which is consumed. The computer's ability to digest large quantities of data and calculate which boilers are operating most efficiently will enable operators to use the most cost-effective boilers at any one time. This control of steam generation will have a substantial effect on the Complex's annual utility bill.

"Installation of the \$10 million computer and TDC project will mean an overall annual savings of approximately \$4 million in utilities costs," says Utilities process manager, **Mike Riener**.

"Improved boiler efficiency, reduced steam, fuel gas, air, electric and nitrogen consumption are the key factors in lowering the Complex's utility bill," adds Riener.

The information provided by the computer can be either digitally or graphically displayed on the operator's CRT screen. The operator uses touch-sensitive screens and keyboards to access the desired information. An elaborate built-in alarm system will notify the operator when there are sudden operational upsets or changes that require attention.

"There have been many times when we wish we knew what was going on with utilities in a unit. The TDC and computer can tell us exactly what is going on," says operator, **Bess Walker**. "Some operators may think the new sys-



Utilities TDC system is 80 percent complete. Above Earl Nailor (right) and Mike Higgins (left), both operators in Utilities, use the CRT screens to get a picture of utilities operations.

tem is more complicated. The only thing that may make it seem that way is that the TDC and computer offer much more information."

"There is no doubt that the TDC gives more information than the other system. The only problem is that all of the information can't be seen at one time," says operator, **Dave Webb**.

With this system, the utilities usage

in the Complex can be managed to increase reliability and efficiency. A significant amount of information is available from the computer now as most of the points are operational.

Work remaining includes field installation of a few points throughout the Complex, and implementation of control programs in the computer. The project will be complete in Mid 1986.

Shell Purchases 400 Arco Stations

On July 19, Shell signed a purchase agreement with Atlantic Richfield Company (Arco) for 400 service stations located in eight northeastern states and the District of Columbia.

The new Shell dealerships will offer the Shell Oil credit card and the same services provided by Shell's other stations. Shell will take possession of most of the stations October 30 and will close on the remainder December 2. Conversion to Shell operation will take place within 30 days after closing.

"Arco has some good locations," said **J.W. "Bill" Schutzenhofer**, general manager, Marketing. "We feel that these locations and our brand acceptance will enable us to compete more effectively

in those areas. This investment is consistent with our strategy of providing service to those customers."

The 400 service stations are located in Connecticut, Delaware, Maryland, Massachusetts, New Hampshire, New Jersey, Rhode Island, Virginia and Washington. Shell has consistently maintained a brand basis in all of the states involved, with the exception of parts of Delaware. The stations will be supplied through Shell's normal products distribution network.

Arco's decision to sell its East Coast refinery operations and service stations came after a previous announcement that it was withdrawing from its northeastern markets.



Alan Derenne, operator in the Gas Unit and known to most as the "Rifleman", displays his wide variety of wood carvings. Derenne is holding a flintlock rifle he carved similar to the one he gave to Chuck Conners, star of "The Rifleman" series.

Rifleman Continues to Spread Sunshine

"There is no method to my madness," says **Alan Derenne**, known as the "Rifleman" to most Complex employees.

Derenne, an operator in the Gas department, has an insatiable desire to "spread a little sunshine" with his hand-made gifts. Over one thousand people, both famous and not-so-famous, have been the recipient of Derenne's hand-carved sunshine.

"I've given carvings to people I don't know just for the sake of giving them something," says Derenne.

"That first second or two of total silence after I present them with their gift gives it all back to me," adds Derenne.

One of Derenne's most memorable gifts was the rifle he carved for Chuck Conners, star of "The Rifleman" series. A treasured letter from Conners and a picture of him holding Derenne's hand-carved replica of the rifle he used in the series holds a coveted place in Derenne's scrapbook. Besides Conners, Derenne also has pictures and thank you letters from such notables as John Wayne, Betty Ford, Bob Hope, Ann Margaret, Mary Tyler Moore and Hank Aaron, just to name a few.

However, fame is not one of Derenne's pre-requisites for gift giving, in fact giving gifts to people he doesn't know

is another one of his favorite eccentricities.

"Sometimes I'll just see an announcement on the bulletin board about a new employee or a transfer. I'll try to get some information about him or her and carve something that fits their personality," says Derenne.

Some of Derenne's more difficult projects, aside from gun carving, include a 32-piece 'Star Wars' chess set, a

caduceus (symbol of the medical profession), a Girl Scout emblem, a piasa bird emblem and a crucifix.

Derenne's energy is not likely to fade as his mind is always on his next project. From the replica of a kitchen knife he first carved for his mother to delicate crucifixes, no project is too big or elaborate.

I could make carvings from morning until night but the biggest reward is giving them away," says Derenne.

Foster Named Norco Complex Manager

Fred Foster, former Wood River employee and manager of Shell's Geismar Chemical Plant, has recently been named manager of Norco Manufacturing Complex.

Foster first worked for Shell as a junior chemist, or summer intern, in 1953 at Wood River where his father worked as an electrician.

Foster graduated from Washington University as a chemical engineer in 1955. His first assignment with Shell was as a process engineer at Wood River. In 1962, he transferred to Head Office, which was then in New York. He worked on refinery process design and

economics. The Wilmington Refinery became his home in 1965 when he became the assistant manager of Alkylation. In 1966 he returned to Wood River as manager of the Alkylation Unit, then became manager of Aromatics in 1969. Foster moved to the Geismar Chemical Plant as superintendent in late-1969. He assumed the role of manager at Geismar from 1971 until his recent move to Norco.

Foster will replace **Hank Bettencourt**, former, manager of Norco Complex. Bettencourt will move into the Complex manager's position at Deer Park Manufacturing Complex.

Second Quarter, First Half Earnings Down

Shell's second-quarter earnings of \$337 million decreased by \$81 million from the same period last year. Net income for the first half was \$633 million, down \$110 million from 1984.

"The principal factor in the earnings decline was lower selling prices for refined products, crude oil, chemicals and natural gas liquids," president **John Bookout** said.

Revenues were \$5.1 billion for the quarter and \$9.8 billion for the half-year, compared with \$5.4 billion and \$10.3 billion for the 1984 periods. Funds from operations totaled \$896 million for the quarter and \$1,759 million for the six months, compared with \$936 million and \$1,826 million in 1984.

Total company earnings were 19 percent below last year's second quarter and 15 percent lower for the six months.

Oil Products earnings were \$59 million for the quarter and \$67 million for the half-year, declines of \$23 million and \$49 million from respective 1984 periods.

Refined product sales volumes were up 4 percent for the quarter and 2 percent for the first half. Gasoline sales volumes increased 6 percent for both the quarter and the six months. In both periods, raw material and fuel costs were lower.

However, Bookout said that operating margins in both periods were impaired

by an unusually high level of refinery conversion unit maintenance activity in 1985. In addition, refined products selling prices were lower, with first-half prices averaging 2 cents a gallon less than the same period last year.

"Our exploration and production segment is being helped by increased sales under new natural gas contracts that began late in the second quarter with the start-up of the first of several new fields coming into production this year," Bookout said. "Oil products is benefiting from gasoline realizations that increased during the quarter, and chemical products earnings continue to improve from the depressed levels earlier in the year," Bookout said.

Lab Celebrates 20 Years of Safe Working

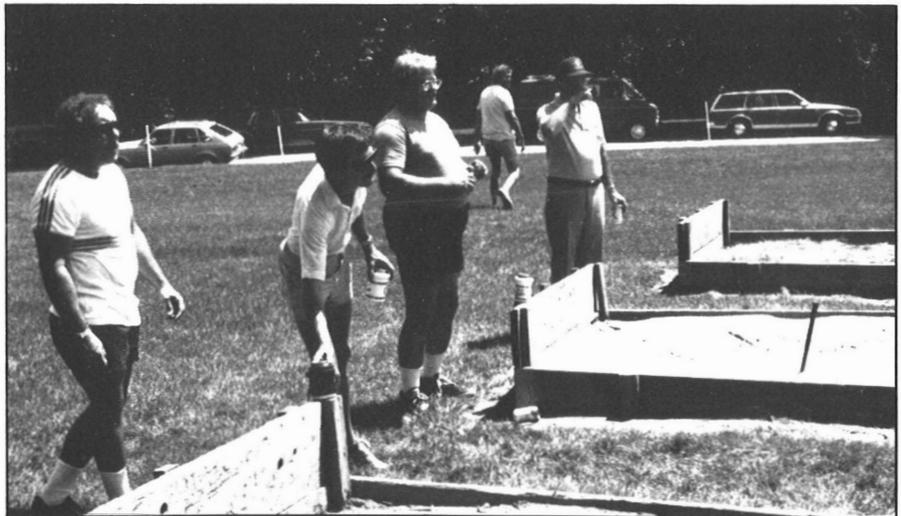
On July 27 Lab employees celebrated their 20 year mark of safe working with a picnic. Part of the festivities included soft ball, horseshoes and great food.



Quality Assurance Manager, Al Larsen, shows his cooking expertise while doing a little bar-b-queing at the Lab picnic.



Leo Lolie, left and Art Beyer, right, enjoying the festivities and a little comradery.

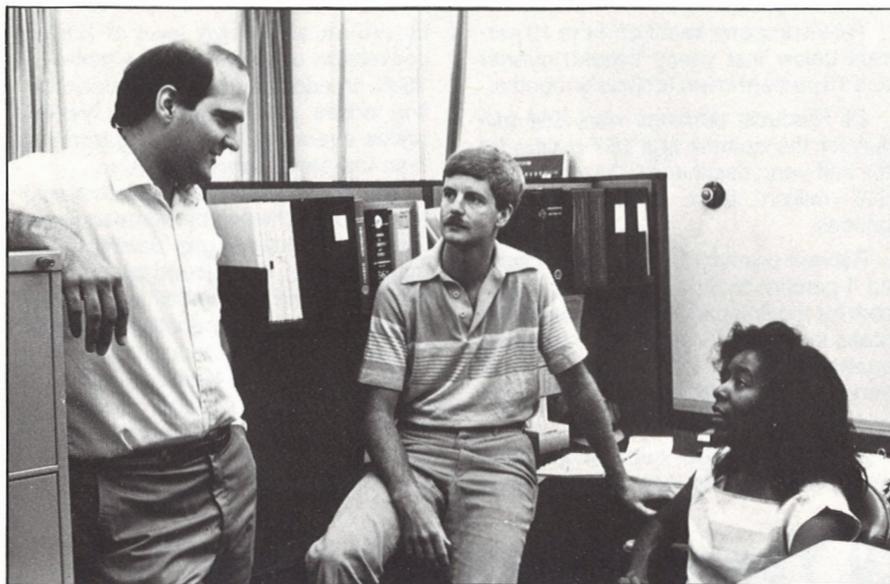


Lab employees taking a hard look into a close horseshoe game.



Pat Martin takes time out from a competitive softball game to have some fun.

EOS Provides Support to Complex



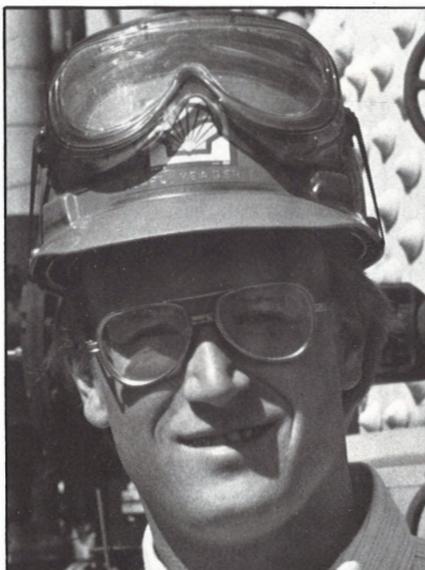
Dave Jacober, process engineer (right), Mike Lytton associate engineer (center) and Gina Pruitt, process engineer (left), discuss Complex environmental issues. Keeping the Complex in compliance with environmental regulations is a very important part of these three environmental engineers job.

The 89 employees in Engineering Operations Support (EOS) provide technical expertise in the day-to-day support to operations of the Complex.

Since it would have been almost impossible to talk to all of the employees in the nine sections of EOS, a wide cross-section was chosen. This cross-section most accurately describes the wide variety of skills and services the EOS department offers.

First stop was with **Gina Pruitt**, process engineer in Environmental Conservation/Utilities, responsible for compliance with land environmental regulations, more specifically hazardous waste handling. Pruitt is one of three environmental engineers responsible for air, land and water regulatory matters and compliance.

An environmental engineer's job is to keep the Complex in compliance with environmental regulations. To do this they must constantly stay abreast of environmental regulations, translate those laws into understandable language, develop procedures for compliance and provide guidance for implementation. Besides working with Complex employees, environmental engineers interface with environmental agencies during inspections, report any Complex violations and testify and participate in public hearings on proposed regulations. Mainly, environmental engineers provide daily support to Operations by explaining compliance requirements such as source control, waste disposal and fugitive emissions.



Karl Yeager, ETSO (Equipment Technical Support to Operations) for the Catcracker and Catfeed Hydrotreater Units, specializes in troubleshooting whenever there is equipment failure. Yeager is also responsible for overseeing the planning stage of the upcoming CCU1 shutdown.

Next stop was with **Karl Yeager**, ETSO (Equipment Technical Support to Operations), for the Catcracker and Catfeed Hydrotreater Units. Yeager, a "hard" engineer or mechanical engineer, is one of 11 ETSO's who provide technical support for Complex equipment (i.e. pumps, vessels, motors, etc.). An

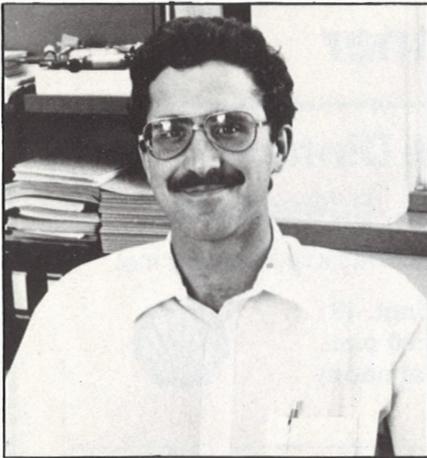
ETSO's job, such as Yeager's, is broken down into basically three areas. These areas include technical support to Operations, shutdown planning and projects.

An ETSO is Operations first contact as far as troubleshooting whenever there is equipment failure. It is then the ETSO's responsibility to determine what is wrong with the equipment and recommend a method to repair it. Secondly, an ETSO works a great deal with shutdown planning. Yeager works very closely with shutdown coordinators during regular maintenance shutdowns and he is overseeing the contractors planning stage of the CCU1's upcoming MPO shutdown. Another significant part of an ETSO's job is to serve as project engineer for minor projects such as installing a new pump.

Bert Natalicchio, a "soft" engineer or chemical engineer, provides support for Operations through process computer control. His primary responsibility as TSO (Technical Support to Operations) lies with maintaining computer control systems (i.e., programming, logic, etc.). Natalicchio adds that his job has been very busy as the Complex makes a major step towards modernization by increasing its computer capabilities. He also identifies instrumentation problem areas by working with operators and considering their input. Natalicchio says that he spends very little of his time in his office. He says that most of his time is spent identifying problems through the computer and then tracing down the 'real' problem in the field. There are eight computer control TSO's, three work with the run and maintain organiza-



Bert Natalicchio, TSO (Technical Support to Operations) keeps an eye on computer control systems. Identifying problems through the computer and tracking them down in the field is how Natalicchio spends most of his day.



Studying the trends of the units in HOP and suggesting ways to improve operations is Mark Booth's responsibility. Relying on operator input is one way Booth develops answers to unit problems.

tions and five work exclusively on MPO projects.

Mark Booth is a TSO in HOP. Booth is responsible for three of the Complex's units including the CR3, KHT and DHT. Aside from troubleshooting when there are problems with his units, Booth studies the unit's trends and capabilities and suggests project work that can make improvements. Booth says that when troubleshooting he relies upon operator input to pinpoint the problem and suggest a solution or improvement. Aside from troubleshooting Booth becomes involved with studies and project work involving catalyst evaluation, yield improvement and unit optimization. Each of the Complex's operating units are assigned TSO's or "soft" engineers with responsibilities similar to Booth's.

Chester Brooke is one of three energy inspectors for the Complex. Brooke spends the majority of his time out in the Complex looking at ways to improve energy efficiency. Working with operators to discover the cause of problems, expediting their repair and checking to determine if the repairs were done correctly is part of Brooke's job. Brooke adds that equipment that is malfunctioning can cost the Complex in lost energy or even worse in extensive maintenance costs and accidents.

Various EOS sections also have engineering assistants and mechanical, instrument, communication, electrical, and computer inspectors. Like Brooke they are equally responsible for their respective equipment throughout the Complex.

John Propst, technical manager Plant Engineering Utility/Electrical, was the last stop in EOS. Propst explains that the Utility/Electrical section of EOS



Chester Brooke, (right) inspects units to assure that they are running as energy efficient as possible to guard against lost energy and maintenance costs.



The Plant Engineering/Utility section provides the Complex with day-to-day operations support, energy forecasting and modeling and electrical engineering expertise. Back row left to right - Babette Reinert, Frank Roberts, John Propst, Jim Peat, Dick Farmer & Greg Gudac. Front row left to right - Cathy Bach, Rick Ralston, Mark Semko, John Gorenz, Al George, John Mangoff & David Rull.

is divided into two groups; day-to-day operations support and electrical engineers. The Utility/Electrical section is similar to most of the other nine sections in EOS. Each section employs TSOs ("soft" engineers) or ETSOs ("hard" engineers), process, mechanical or instrument specialists and inspectors. Differences in the Utility/Electrical section and other EOS sections are the addition of electrical engineers and a complex-wide focal point for energy forecasting and modeling.

Two electrical engineers are responsible for design and technical overview of electrical systems for the Complex.

They are also responsible for incoming power, motor control, electric heat tracing and lighting the Complex. Propst, an electrical engineer, also, lends his expertise to the regular electrical needs of the Complex as well as, supporting MPO.

"Employees in the EOS department offer a wide variety of technical expertise. Their close working relationship with Operations, insight into technology and understanding of the principles behind the operations are the key factors that help to keep the Complex operations on track," says **Ron Cambio**, technical superintendent - Engineering Operations Support.

Shell Wood River Pensioners' Dinner

Plans have been made for the 19th Annual Shell Wood River Pensioners' Dinner.

Date: September 18, 1985

Place: American Legion, Edwardsville

Time: 11:00 a.m. - 4:00 p.m.

(meal served at noon)

Price: \$6.00

We look forward to visiting with old friends and extend a special welcome to those attending for the first time. **Elvin Haynes**, manager Pensioner Services in Head Office, will be guest speaker.

Please return the reservation blank to **Dave Grieve** no later than September 12. We hope to see many of you on September 18.

Sincerely,

Joe Lanzerotte, board chairman

Pensioners Dinner

American Legion Park, Edwardsville

Enclosed is my \$6.00 check, please reserve a place for me.



Wednesday, Sept. 18

11:00 a.m. - 4:00 p.m.

(meal served at noon)



Name _____

Dept/Craft _____

Age _____ Date Retired _____

Residence/Town _____

Please return to **Dave Grieve**, 850 E. Ferguson, Wood River, IL 62095. All reservations payable in advance - Deadline: Sept. 12.

Please make checks payable to "**Shell Pensioners' Dinner Fund**".

Employee Health Program Broadened

Shell is refocusing the Voluntary Periodic Examination Program to provide employees with individual counseling on health matters such as nutrition, weight control, exercise and smoking. The frequency of the voluntary examinations will also be revised.

Current medical research concludes that periodic comprehensive physical examinations are important but not the key factor in maintaining health. A healthy lifestyle and pursuit of healthful practices may be as important if not more. After reviewing medical data, Shell will revise the frequency of voluntary periodic examinations in some age groups. These changes will be phased in over the next two years to avoid abrupt changes.

The Voluntary Periodic Examination (VPE) Program will be available to employees under age 50 after five years of continuous employment and every five years after until the age of 50. After age 50 the employee is eligible to receive the exam every two years. Employees in the 40-50 year age group will be offered interval checkups midway between scheduled comprehensive exams. These visits will include blood tests, urinalysis, blood pressure and other tests depending on the individuals health status.

The follow-up and individual consultation concepts will be tailored on a case-by-case basis. The program is intended

to complement and encourage the relationship between the employee and his or her personal physician.

The VPE Program is a key component in Shell's Occupational Health Program. This program is dedicated to the health

and safety of all employees, includes special physical examinations for employees, immunizations and other health education and preventive medicine programs, in addition to the VPE.

SRA Happenings

Alky Bowlers Victorious

Alky Bowlers were winners of this year's SRA Supper Shell League. Members of the winning team are: **R.D. Garner, J.R. Brisky, M. Derganc, J.L. Painter, J. Washington, T. Rosinski, C. Brisky, S. Gibson and M. Clark.**

Camera Club

This year's Slide and Print Contest is open to any slide and print. All entries for the Slide & Print contest are due by Sept. 3.

Bass Tournament Results

The SRA Bass Tournament which was held June 1 at Otter Lake produced two winners. **Roy Pickerill** took first place with a 4 lb. 12 oz. bass and **Phil Parks** bagged second place with a 2 lb. 11 oz. bass. On June 22 another tourna-

ment was held at Egypt Lake. **Mike McVey** won first place with a 3 lb. 3 oz. winner and **Brian Behme** came in second with a 1 lb. 13 oz. bass.

Attention Retirees

The SRA Board would like to update their retiree membership file. Any retirees interested in being informed about SRA events should complete the attached form and return to:

SRA
P.O. Box 7
Wood River, IL 62095

Retiree Name _____

Address _____

Telephone _____

New to WRMC



Babette Reinert
EOS



John Wood
Financial



Vern Sanders
MPO



Jim Smith
Financial



Leroy Hall
MPO

Linda Mitchell
Summer
Financial

Dan Townsend
Summer
Purchasing

Dan Crim
Summer
Maintenance

Susan Schaberg
Summer
Financial

Keith Kuchta
Summer
Purchasing

MY STORY/PHOTO IDEA IS:

SUBMITTED BY: _____

CLIP & SEND TO EDITOR, MAIN OFFICE

In Remembrance



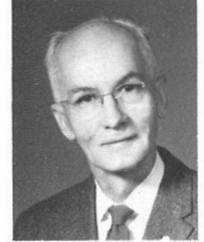
A.J. Losch



V.R. Muentnich



H.L. Rohrka



L.J. Roper



H.E. Ragus



H.A. Smith



T.E. Hooper

Albert J. Losch, 71, died June 28. Mr. Losch was an operations foreman, LOP Dispatching, before retiring in 1978 after 42 years of service.

Vincent R. Muentnich, 75, died July 8. Mr. Muentnich was an engineering foreman, Group Projects, before retiring in 1974 after 35 years of service.

Harrison L. Rohrka, 70, dies June 30. Mr Rohrka was a craft supervisor, Engineering Field, before retiring in 1963 after 28 years of service.

Leroy J. Roper, 73, died June 29. Mr. Roper was a senior clerk, Laboratory, before retiring in 1963 after 41 years of service.

Henry E. Ragus, 56 died July 1. Mr. Ragus was an operator, Gas, before retiring in 1965 after 29 years of service.

Harry A. Smith, 71, died July 3. Mr. Smith was a foreman, Lubricating Oils, before retiring in 1963 after 35 years of service.

Thomas E. Hooper, 79, died July 17. Mr. Hooper was a foreman, Utilities, before retiring in 1966 after 42 years of service.

Order Americana Calendars Now

Americana calendars are a nice addition to any home or office. Retirees interested in ordering Americana calendars may do so by calling Don Baker, extension 2483 or Becky Doreck, extension 2168. Complex employees interested in ordering the calendars may contact their supervisors regarding details. Deadline for ordering calendars is August 23.

Calling All Toastmasters

Leonard Franklin is trying to organize a group to charter an area Toastmasters Club. A toastmasters club is designed to improve communication, specifically oral communication through practical experience. Those interested in information regarding potential membership can contact Leonard Franklin at extension 2768.

Classified Ads

For Sale: AC window unit 10,000 BTU, good condition, Kelvinator, asking \$100. Also 24" three speed reversible fan, may be used in window or floor asking \$60. Contact **Rex Quakenbush** 251-4698.

Don't Get Overdone By The Sun

Tans or burns may go away, but chronic damage caused by the sun's ultraviolet rays may not, leading to premature aging and possibly skin cancer. Although a tan is considered attractive, it is actually a defensive reaction - the skin

thickens as the body tries to shield itself, and the outer cells die. Sunscreens should be used to block the ultraviolet rays during exposure to the sun, doctors say.

If skin cancers do develop, they stand the best chance of being cured when treated early. If unusual spots or moles should change size or color, you should see a doctor right away.



Joe Cannon, pipefitter, was the July winner of the Safety Calendar Contest. Cannon won a 13 inch color television set for correctly identifying July's safety slogan and registering in the contest. All entries for the Safety Calendar Contest are due by the third Friday of each month. Don't forget to register for next month's drawing you could be a winner too!

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