the WING FOOT CLAN

Goodyear Atomic Corporation — *A Subsidiary of* The Goodyear Tire & Rubber Company

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GENESIS AWARD

Clair Langebrake is second GAT employee to receive idea program recognition

Clair O. Langebrake, Energy Conservation Coordinator (D-551), is the second Goodyear Atomic employee to receive an award for an idea submitted through the Goodyear Tire & Rubber Company's Genesis Program.

The special GT&R program is directed toward obtaining technical ideas which could lead to new Goodyear products and processes.

The award was made to Langebrake following a determination by the GAT Steering Committee that the idea had merit and that further action should be taken on it by Goodyear in Akron.

Langebrake's idea is for heat-shrinkable plastic sleeves which could be used to protect wood from weather and termites.

Potential applications suggested for the plastic sleeves include weathering protection for wood planks used in residential wood decks, structual sill plates and horse farm types of plank fences.

Langebrake also has proposed that plastic sleeves sealed on one end be applied to fence posts, before they are placed in the ground, to protect against termites. A shorter sleeve, also sealed on one end, could be placed over the top of the fence post to keep it from weathering.

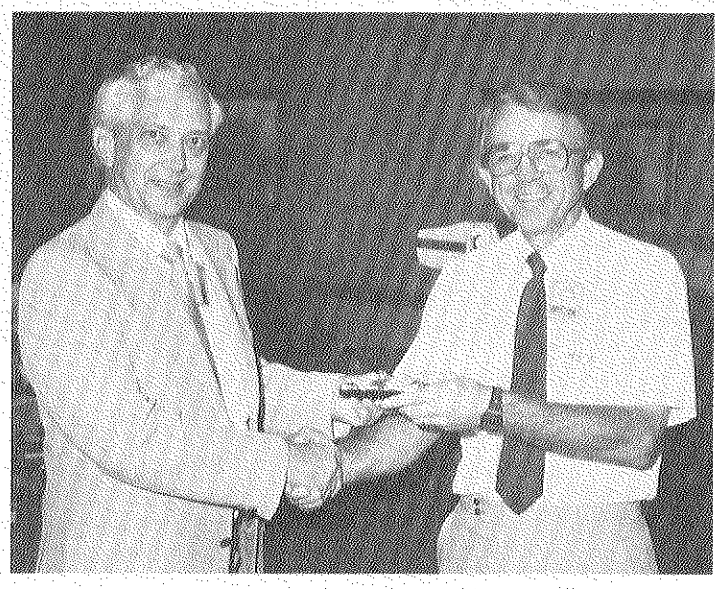
Langebrake suggests that one of the many varieties of heat-shrinkable plastics be used for the sleeves.

"Paint cannot span large cracks which develop in lumber and accelerate rotting," Langebrake noted. "The plastic sleeves could be used in applications where high finish is not needed but good weatherability is required. Their flexibility would insure spanning of cracks in the wood and protection from the weather."

Langebrake also proposed that the plastic sleeves be made available in both clear and colored varieties with different patterns and textures.

Langebrake now has had suggestions accepted under all three of the Goodyear Atomic programs which are designed for employee input of ideas. These include the Patent Assignment program, the Cost Reduction "I"dea Program and the Genesis Program. He also has had many other ideas—not submitted through a formal program—placed into use at the Portsmouth plant.

Goodyear Atomic employees may participate in the Genesis Program by completeing a GAT Genesis Idea input form for submission to the Steering Committee, Administrative Services, X-100 Building, M/S 1118.



Clair Langebrake (left) was presented with an award in recognition of his participation in Goodyear's "Genesis" product idea program at a recent Operating Committee meeting from William R. Schultz, director, Technical Services.

Layoffs reduced to less than 200

The number of Goodyear Atomic Corporation employees on layoff has been reduced by another 58 since July 1. Additional job awards will reduce the number of employees on layoff by at least another 28 before May 1984.

As of March 31, 1983, there were 339 Goodyear Atomic employees on layoff. This was made necessary by the completion of the major CIP/CUP process equipment improvement program under way in the Gaseous Diffusion Plant from the early 1970s and completed in March.

However, by the end of June, the number had been reduced to 270. Additional recalls in July, August and September—and those planned for upcoming months—bring the total number of layoffs down to almost 180 employees, just a little more than half the number on record March 31.

Employees are being recalled to work based on their qualifications for job openings both in the new plant and in the existing plant, created as a result of the transfer of other qualified employees to GCEP.

Other recalls of qualified employees from among those still on layoff are anticipated in the future in order to meet additional manpower requirements for the new centrifuge plant.

All-In-One Campaign starts with a song

The 1983 Goodyear Atomic All-In-One Campaign for United Way began on Friday, Oct. 7, with a "Kick-Off Coffee" in the X-102 Cafeteria. Division representatives, solicitors and members of the campaign staff were present to hear from local United Way representatives, who noted that agency programs and needs in each county continue to expand. A highlight of the morning was the singing voice of Miss Elizabeth Conley (above), runner-up in the Miss West Virginia contest who is working with WPAY Radio and United Way of Scioto County. The campaign concludes in November with allocation of funds to local counties.

For September 1983

GCEP HIGHLIGHTS

*During September, applicable GCEP Maintenance Division personnel began to establish the Work Control Center (WCC) in the X-7725 Recycle/Assembly Building. This is the second maintenance WCC in the GCEP. In addition, the X-3012 Process Support Building was secured.

*Process Building X-3001 Trains 3 and 4 and being controlled as secured areas to accommodate the installation of classified components and the use of classified parameters for testing.

*The cleaning and passivating of the Train 4 machine water system was carried out by construction personnel with the support of the GAT Production Division.

*The GAT Production Division is currently leak testing X-3001 Train 4 and Cascade 6 service module piping.

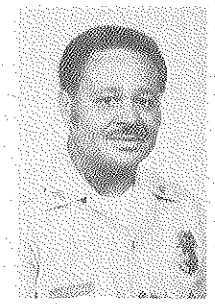
*The Train 4 rigid mast crane and Train 4 central panel have been turned over to GAT. Vendor acceptance testing on this equipment has been completed.

*The Production Division is actively preparing for the project milestone of installing the first gas centrifuge machine in Process Building #1 on November 7. Testing checkout and training have been under way for several months involving the inter-plant transporter, rigid mast cranes, centrifuge machine installation, etc.

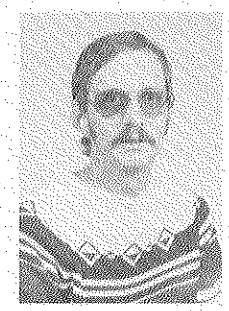
*Considerable effort is being expended by the Production Division in the support of turnover and acceptance of process building systems which include service modules for cascades, power systems, machine water systems, vacuum systems, heating and ventilating, chemical systems, etc.

Congressman visits gas centrifuge plant

In Oak Ridge on the morning of Oct. 11, U.S. Representative Richard L. Ottinger of New York and members of his staff met with officials of the Oak Ridge Operations Office of the Department of Energy, Union Carbide Corporation and John Longenecker, the new Director, Uranium Enrichment and Assessment, from the Department of Energy in Washington. The purpose of Ottinger's visit was to discuss the uranium enrichment program of the United States; in particular, the gas centrifuge and advanced isotope separation processes (advanced gas centrifuges and the atomic vapor laser isotope separation process). In the afternoon, the group traveled to Portsmouth to meet with DOE-PPO and Goodyear Atomic officials and tour the GCEP site. They were accompanied from Oak Ridge by Ewin Kiser, DOE-ORO assistant manager for Enrichment Operations and Development; and Houston Baker, director, Enrichment Expansion Projects. Photographed in GCEP above, left to right, were Kiser; B.J. Hull, Ottinger's staff; Longenecker; Ottinger; Robert L. Civiak, Ottinger's staff; and Baker.

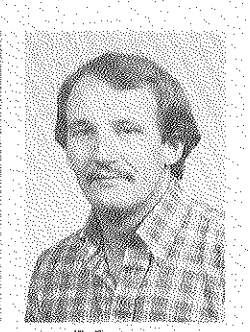


Bolden



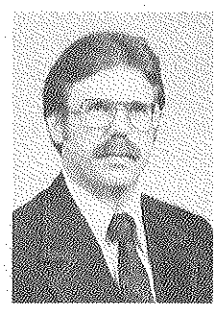
Dotson

Bouts



Murray

Thompson



McGee

Shirley

Promotions

Bruce L. Bolden has been promoted to Police Sergeant. He reports to Clarence H. Canter, supervisor, Plant Protection Services.

Robert J. Dotson has been promoted to Foreman, Utilities Operations, with responsibility for CCB and Utility Operations in the GCEP Production Division. He reports to Joseph L. Thomas, supervisor, Process Area.

Robert R. Bouts and Tony E. Murray have been promoted to Foreman, Process Area, in the CTTF Facility. They report to Issac W. Diggs, supervisor, Production Engineering Services and Training.

Monroe B. Thompson Jr. has been promoted to Section Head, Engineering, with responsibility for GCEP Testing and Records. He reports to Loren K. Mead, supervisor, Engineering Services.

John H. McGee has been promoted to Section Head, Engineering, with responsibility for Turnover and Readiness Review. He also reports to Mead.

Robert S. Shirley has been promoted to Section Head, Production Engineering and Services, with responsibility for CTTF/CPOTS Start-Up and Operations Support. He reports to Issac W. Diggs, supervisor, Production Engineering and Services.

PHOTO CONTEST

First GAT employee competition to offer $75-$50-$25 savings bonds

The 1st Annual Goodyear Atomic Employee Photo Contest has a goal of recognizing the photographic talents of GAT employees.

However, it's more than just a photo contest. A primary objective is the visual enhancement of plant conference rooms and lobby areas.

First place will earn a $75 savings bond; the second place winner will take home a $50 savings bond; and a $25 savings bond will go to the third place winner.

The contest is open to all employees and retirees of Goodyear Atomic, with the exception of the panel of judges and the photography staff.

Entrants must submit a 35mm or larger color negative, accompanied by the photograph, which must measure at least 3x5 inches. Slides of a 35mm or larger format also will be accepted. Each employee may submit as many as five entries.

All submissions must be local historic and/or scenic color photographs.

The winning photographs and other entries will be enlarged and mounted for permanent display in conference rooms and lobby areas of the X-100 Central and X-1000 GCEP administration buildings. Negatives and slides will then be returned to employees.

Photographs will be moved from one location to another from time to time.

Entries are to be submitted to Mary Idzakovich, M/S 5025 in the X-1000 Building, or to Romaine Newsome, M/S 1225 in the X-100 Building. The employee's name, department number, telephone extension, mail stop and a description of the photograph must accompany each entry.

Each picture or slide submitted will be assigned an identification number and then registered in an index. Photographs will bear only the assigned identification number when they are submitted to the panel of judges for evaluation. Names of contestants will not be known until judging is complete.

The panel of judges includes Julie Thompson (D-010), Landa Clay (D-227), Jon Polhamus (D-576), John Thompson (D-561), Sheri Cook (D-585), Angie Strickland (D-006), Kermit Prince (D-729) and Sandy Graves (D-313).

Deadline for entries is Friday, December 16, 1983.

Winners will be announced in the January issue of The Wingfoot Clan.

If the contest proves successful, a second competition—possibly on another subject—will be considered for the summer or fall of 1984.

Latta, Walters named supervisor

Lawrence R. Latta and Reed H. Walters have been promoted to Supervisor, Process Area, in the GCEP Production Division. Latta is responsible for PB/CTTF Start-Up Operations, while Walters is responsible for Training and CTTF Operations.

They report to J. Pat Hopper, superintendent, Production.

Latta joined Goodyear Atomic in July 1976 as an area engineer. He was transferred to the GCEP staff in 1980.

He was graduated in 1976 from The Ohio State University with a bachelor of science degree in chemical engineering.

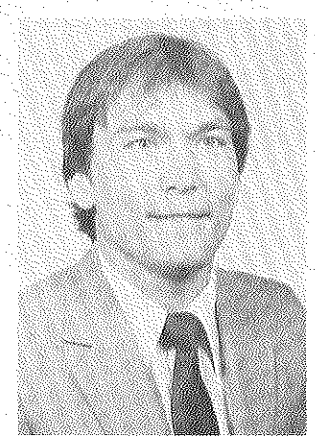
Latta has two children and now lives in Columbus.

Walters joined Goodyear Atomic in March 1968 as a development technician (D-521). He was named foreman, Uranium Operations (D-829) in 1972 and served on the staff of the general manager from July 1981 through April 1982.

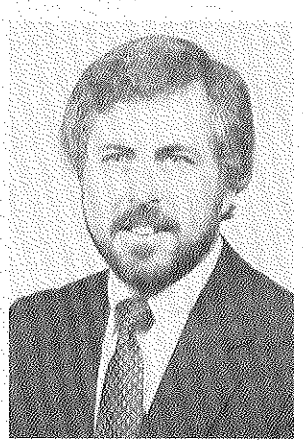
He was named general foreman and training coordinator for the Centrifuge Training & Test Facility in April 1982.

Walters has attended Ohio Northern University, the University of Akron and Ohio University.

He and his wife, Edy, have two daughters and live in Waverly.



Latta



Walters

Lucky, the turtle, survives shark attack

Artificial limbs for amphibian to be manufactured by Goodyear

Scientists at Goodyear may call on computer systems normally used in tire design to help create rubber flippers needed by Lucky, a giant sea turtle injured in a shark attack off the Florida Keys.

Working with a noted orthopedic surgeon in Florida, the rubber experts — two of whom just returned from a flipper fact-finding mission and first-hand examination of Lucky — will attempt to replace the 350-pound turtle's amputated flippers with reinforced devices made from materials found in rubber laboratories.

The shark attack left the huge loggerhead sea turtle with only stumps, corresponding approximately to amputation of human arms, one at the elbow, the other near the shoulder.

"The materials used to fabricate Lucky's flippers must be chosen for extremely long life and performance. Life expectancy of sea turtles is 100 years or more," said Dr. Anthony F. Finelli, Goodyear's manager of Urethane and Polyester Products Research, who examined the giant turtle in Florida.

"Proper materials and correct design of the flipper for maximum movement effectiveness in the water are essential to the success of this project," added Kenneth W. McIntosh, manager of Goodyear Research Engineering who joined Finelli in the flipper study.

Both men say there are approximately five rubber compounds that could do the job. They plan to employ computers to analyze each to determine which will most effectively perform in Lucky's harsh environment. Such high technology procedures as finite element analysis and computer-enhanced design techniques may be used in analyzing the many complicated aspects of creation of the flippers, they said.

"Lucky's flippers, like tires, must be flexible in some areas and rigid in others. The flipper material must resist chemical attack from sea water and from sunlight. It must remain flexible for as long as 100 years and it must take constant flexing without failure. She'll be swimming thousands of miles a year, if we have our way," Dr. Finelli said.

Lucky, now an international celebrity of sorts, owes her nickname and life to a 10-year-old boy and his father who witnessed the attack while fishing. They roped the turtle and called Coast Guardsmen who took Lucky to a marine life attraction at Islamorada in the Florida Keys, where operators provided emergency care.

Dr. Patrick Barry of Miami, who specializes in microscopic knee surgery, was contacted to examine the sea turtle. His conclusion was that the turtle's flippers could be replaced with artificial ones and asked Goodyear to join the effort by fabricating the flippers. Dr. Barry will determine how the flippers will be affixed to the turtle's stumps.

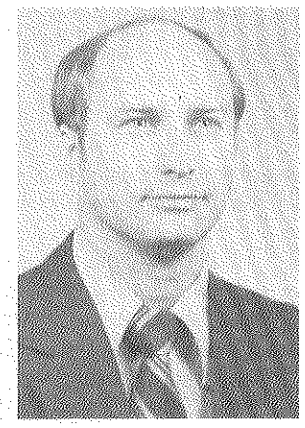
Assisting in medical emergencies — whether animal or human — is not an alien endeavor at Goodyear. In 1976, the Company designed and manufactured a 40-foot rubber tourniquet to assist Dr. Barry's surgical efforts to repair arthritis damage to the leg of a Dade County, Florida, zoo elephant named Dixie.

For more than 25 years, the Company's Research Division has operated an Aid to Medical Research program. It provides hundreds of thousands of dollars annually in materials and technological support to the world's leading medical and educational organizations which study rubber and rubber-like materials for artificial organs and to replace natural tissue. All aid to medical research efforts are donated and underwritten by the Company's Research Division.

The Goodyear scientists and Dr. Barry have developed a schedule for completion of the artificial flippers and for surgery, which should take place around Thanksgiving. Lucky will then require a six-week recovery period before returning to the sea.

Turtle team

Lucky, the loggerhead sea turtle which lost its flippers to a shark, is measured for replacement flippers. Goodyear researchers (from left) Dr. Anthony Finelli and Kenneth McIntosh traveled to Florida to gather data for creating rubber flippers that will be surgically implanted by Dr. Patrick Barry, a Miami orthopedic surgeon (right). Lucky was placed on her back by "Theater of the Sea" manager Marlin Simon (background) to keep her calm during the measurements.



Hopper

Hopper promoted

J. Pat Hopper has been promoted to Superintendent, GCEP Production, with responsibility for Production Engineering & Services and Training. He reports to William J. Lemmon, manager, GCEP Production Division.

Hopper worked as an Engineering co-op student for GAT during the summers of 1969, 1970, 1971 and 1972 before becoming a full-time engineer in the Technical Division in 1973. He was transferred to the Operating Contractors Project Office in October 1977, and became section head, GCEP Engineering, in 1979.

Hopper has a bachelor's degree in chemical engineering from the West Virginia Institute of Technology and a master's degree in chemical engineering from Ohio University. He and his wife, Theresa, have two children and now live in Chillicothe.

Lancaster and Portsmouth events finalize 1983 plant golf outings

Goodyear golfers completed the summer season with the 9th Annual Goodyear Autumn Open Sept. 17 at Valley View Golf Course in Lancaster and the 1983 Golf Championship Sept. 24 at the Shawnee State Park course near Portsmouth.

A total of 164 golfers from 10 plants participated in the Valley View outing, hosted each year by the Logan plant. There were 26 from Goodyear Atomic.

Vince DeVito (D-801) and Gary Pinkerman (D-852) won the Plant Manager/Partner competition with a 150.

A team representing the Portsmouth Gaseous Diffusion Plant finished fifth with a 322. Its members were Dean Miller (D-479), Pinkerman, DeVito, Fred Mellinger (D-741) and Lou Bickett (D-811).

The GCEP team finished sixth with a 322. Its members were Jack Whiteman (D-227), Marty Drennen (D-187), Chip Walder (D-211), E. V. Clarke (D-225) and Gary Cormany (D-201).

Don Pollard, centrifuge operator (D-110), earned the championship for the second consecutive year by posting a score of 71 on the Shawnee State course. Mike Tulloh (D-829) and Bob Issac (D-712) tied for runner-up with a score of 77—Tulloh won a playoff the following week.

A total of 143 GAT golfers participated in the competition in the championship and four other flights.

Lou Bickett (D-811) won the first flight with a score of 80. Second flight honors went to Dave Dalton (D-823) with an 83, Phil Moore (D-072) won the third flight with an 87, and a score of 93 by Tom Hester (D-585) took fourth flight honors.

Prizes were awarded for tee shots closest to the pin on several holes, longest putt on the #9 hole, longest drive in the fairway on the #13 hole, and closest to the pin second shot on the #16 hole.

Winners of these skill prizes included Al Arnold (D-563), Jerry Komlos (D-445), Jeff Clough (D-227), Carl Humston (D-511), Bill Bloss (D-156), Pollard and Dave Manley (D-577).

Flight winners will receive individual trophies at the upcoming GAT Recognition Banquet.

Electricity is substitute for other forms of energy

The increased electrification of the primary metals, paper and petroleum-products industries is an example of the growing importance of electricity to U.S. economic health. Between 1974 and 1980, the primary metals industry increased its use of total energy by only four-tenths of one percent per Federal Reserve Board unit of product output; but it increased its electricity intensity by a full 23 percent. The paper industry reduced its overall energy intensity by 16 percent, while increasing its use of electric power by nearly 8 percent per unit of output. And the petroleum-products industry cut its use of total energy by 30 percent while increasing its use of electricity by 11 percent per unit of output.

Camden Park picnic prizewinners

Winners of prizes at the 1983 Goodyear Atomic employee picnic at Camden Park on Sept. 10 included Barbara Yeager, video cassette recorder; Arville Murray, extend-a-phone; Mrs. Jacob McNeely, food processor; Bill Pyles, counter-top oven; J.W. Keesee, quartz clock; Yolanda Cave, Black & Decker Workmate; Ottis L. "Speedy" Layne, grill; Gary Smith, AM/FM radio; Linda Roan, camp stove; James Richey, 42-quart cooler; L.N. Miller, rechargeable spotlight; and Leslie Farmer, 12-inch oscillating fan. Some of the prize winners are pictured above.

Members of the championship "Waverly Women" softball team and their coaches include (front row) Paula Lemaster, Teresa Osborne, Val Schmitt, Wendy Sevens, Frankie Coriell, Nathan Coriell (batboy and mascot), Sharon Sexton, Bonnie Brohard, Missy Cutright, (back row) Gary Crandall (coach), Donna Crandall, Debbie Brown, Debbie Canter, Angie Mann, Sue Ferguson, Linda Davis, Bonnie Shilling and Joe Shilling (coach).

the WINGFOOT CLAN

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EDITOR.....Tim L. Matchett
Telephone...(614) 289-2331 Ext. 2863

Retirees

David P. Goodman, Portsmouth, Maintenance Coordinator (D-742), took early retirement effective Oct. 1 after 30 years of service.

Joseph M. Henson, Portsmouth, Quality Control Inspector (D-590), took early retirement effective Oct. 1 after 30 years of service.

Recreation Corner

*The 1983 Goodyear Atomic Employee Christmas Party has been scheduled for Saturday, Dec. 17, at the Waverly High School gymnasium. The party is open to all GAT employees, retirees and their immediate families and grandchildren. More details will be forthcoming. If you would like to help with the Christmas party, contact Teresa Osborne at ext. 2407.

FIRE SAFETY

Disaster averted by planning

Like phantom voices from the other side of death, they say it over and over again. The survivors—the badly injured, the scratched and bruised, the ones who got out by the skin of their teeth. Firefighter and Emergency Medical Technicians (EMTs) heard it at the Kansas City Hyatt skywalk collapse. When the bridge went down in East Chicago. When the MGM Grand burned, and when the Beverly Hills nightclub went up in flames in Southgate, Kentucky.

"There wasn't time to scream." Disaster struck too fast—there was nowhere to go, nothing to do.

Is this true? Must we necessarily become the victims of fire or disaster? It is merely luck that chooses which shall live and which shall die?

The answer is: **not always.** There are those disasters that come with such startling suddenness that, if you're in the wrong place at the wrong time, there's no help for you. But they're rare. Over half of all accident victims—victims of fires, cave-ins, explosions, and the like—might have been saved by pre-planning and presence of mind.

Pre-planning is a two-way street. Building owners have an obligation to provide working, well-marked exits and practical building escape plans. Governments and citizen's groups must use enforcement techniques to compel the owners to live up to their obligations.

But after that, the focus is on us. Do you check out the exit stairways near your room when you register in a hotel? Do you choose tables near an exit in clubs? Do you make the mental effort to know one (or better yet, two) ways out of any building you enter?

Knowledge like that helps you keep your **presence of mind.** Because in major fires and other disasters, you don't get a lot of time. When there isn't time to scream, there may still be time to save your own life. You must **know** what to do.

Columns like this one will help you learn how to handle all kinds of emergencies. By planning ahead, you'll have confidence in your abilities when you face disaster. More often than not, that may be the difference between life and death. . .even when "there isn't time to scream."

GAT FIRE PROTECTION

Past champions again victorious

The "Waverly Women" softball team defended their championship title recently by defeating the "Other Team" 15 to 11 and 12 to 7 in a best of three game competition.

The team had a .429 batting average. Leading its efforts were Donna Crandall, batting 3 for 4 with two triples; Angie Mann, batting 3 for 4 with a home run; Paula Lemaster, 2 for 3 with a triple; Debbie Brown, 4 for 7 with four RBIs; Frankie Coriell, 3 for 6 with a double and a triple; and Linda Davis, 3 for 6 with a double.

Bonnie Shilling, Debbie Canter, Wendy Sevens and Missy Cutright all added a triple with Debbie Canter getting four RBIs. Defensively, Bonnie Brohard made many outstanding plays at first base.

For the "Other Team", Tami Maple batted 4 for 6 with a triple, two home runs and six RBIs; Brenda Taylor was 4 for 7 with a triple and a home run; Paula Hartley batted 4 for 7; and Mary Ann Rapp was 3 for 6 with a home run.

In the past two years of league and tournament play, the Waverly Women have won 68 of 97 games, finishing first six times, second six times and third twice. They also competed each year in the Class A State Tournament.

The "Chemical Operators" won the men's softball championship for the third year in a row on Sept. 18 by defeating "Department 712" in the last game of a double elimination tournament.

The team went undefeated in the competition.

Team members were Jeff Woodard, Greg Johnson, Roger Cosby, Ron Crabtree, Gary Coriell, Steve Reinhardt, Bryant Lybrook, Kevin Clausing, Mark Conkel, Rusty Cosby, Gary Smith, Mike Hensley, Paul McGoron, Phil Moore, Tony Timmons, John Slater, Nelson Barker, Bill Netter, Hank Lewis and Jim Ramey.