



CHOW TIME AT THE B SHIFT PICNIC LAST WEEK was the usual popular moment at the event held at Roane County Park at Watts Bar Lake near Kingston, as shown in the picture at left. At right a relaxed group is sipping refreshments. Standing at left is Harrell T. Spires, Process Maintenance, and at right rear is Finley Creigh, B Shift Superintendent. In front of Creigh is Mrs. Spires, and at the end of the bench in rear



is his sister, Mrs. J. N. Wickert, of Charleston, W. Va. Mrs. Creigh is across the table from Mrs. Spires and behind Mrs. Creigh is Mrs. Paul Johnson. More than 100 persons attended the picnic and dined on chicken, ham, potato salad, deviled eggs and other picnic delicacies. Boating, badminton, horseshoe pitching and other sports were enjoyed in another fine recreational activity by a Y-12 shift organization.

UCC Six Months Sales Set Record

Income Fails To Keep Pace Account Of Costs

Sales of Union Carbide Corporation for the first six months of 1957 were at the highest level of any first half in the history of the Corporation, it has been reported by Morse G. Dial, president.

Sales amounted to \$690,416,175, an increase of eight per cent over sales of \$640,108,456 during the first six months of 1956. However, income did not keep pace with the increase in sales due principally to the higher cost of doing business. Operations were also affected by the 15-week strike in some of the oxygen producing plants. Net income for the first half of 1957 was \$69,601,905, or \$2.31 a share on the 30,088,510 shares outstanding. This compares with \$72,789,578, or \$2.42 a share in the same period in 1956. However, the forecast for the last half of 1957 indicates that total income in 1957 will exceed 1956.

Sales of \$339,096,145 during the second quarter of 1957, although less than first-quarter sales of \$351,320,030 this year, were six per cent higher than sales of \$319,615,437 for the corresponding quarter of 1956. The decline in second-quarter sales was due principally to customer anticipation in June of vacation shutdowns in July.

In the second quarter, net income amounted to \$34,147,267, or \$1.13 a share. This compares with net income of \$35,454,638, or \$1.18 a share for the first quarter of 1957 and \$35,116,031, or \$1.17 a share for the second quarter of 1956.

DELICIOUS DISHES SET FOR SPECIAL LUNCHES

Two delicious dishes have been selected as entrees on the 50-cent Special Lunches to be served at the Y-12 Cafeteria tomorrow, Thursday, August 1; and next Tuesday, August 6. The main dish tomorrow will be shepherd's pie, a tempting beef offering. Spaghetti chicken parmesan is slated for the entree next Tuesday.



WHO ENJOYS A PICNIC MORE THAN YOUNGSTERS?—and these small fry really had a ball at the B Shift picnic. In the swings are Stanley Frazier, left, son of Carl W. Frazier, Alloy Division, and at the right is his sister, Kathleen, with the tot in the center being Kathy Kite. In the rear is Vic Defenderfer, Assistant B Shift Superintendent. After the youngsters enjoyed all kinds of games and just romping, Carl Frazier piled a bunch of them in his boat for a ride on Watts Bar Lake, shown in picture at right.



AIChE Sets Symposium On Power Reactors

Three Sessions Slated August 1, 8 and 15

A short symposium on power reactors has been scheduled by the Oak Ridge-Knoxville Section of the American Institute of Chemical Engineers. The programs will begin at 8 p.m. on Thursdays, August 1, 8 and 15, in the Green Room of the Ridge Recreation Hall and all members of the section are urged to attend.

The first session tomorrow night, Thursday, August 1, will feature James A. Lane, director of the Oak Ridge National Laboratory Reactor Experimental Engineering Division, as speaker. He will give a summary of power reactors now being constructed and those scheduled to be built.

A color film on the Argonne National Laboratory experimental boiling water reactors is scheduled for the August 8 meeting. Also included on this program will be pictures and discussions on other power reactors.

Wilson R. Cooper, in charge of the Nuclear Division of the Tennessee Valley Authority, will present an analysis of various proposed power reactors at the final meeting on August 15.

MANY VETS IN U. S.

There now are 22,000,000 persons in the United States classified as war veterans. These, with their families, account for 75,000,000 of the country's \$170,000,000 population.



WATER SKIING IS LOTS OF FUN and also a sight for spectators at the B Shift picnic last week when Bobby Lee Powers, Beta Two, used his boat to tow R. H. "Red" McNabb, Colex Auxiliary Operations.

PAY CHECKS AVAILABLE THURSDAYS FOR WEEKLY PAID Y-12 EMPLOYEES

For the convenience of weekly paid Y-12 employees on the hourly and weekly salaried rolls, pay checks will be available at the regular pay points on Thursday afternoons. The pay checks may be picked up on entering the plant by employees on shifts beginning work in the afternoon and on leaving the plant by shift workers concluding their work in the afternoon. Straight day employees may pick up their checks on leaving the plant.

PACKAGE DESIGN GROWING

The design and manufacture of packages in the United States alone has grown into a \$12,000,000,000 a year industry.

Window Cleaner Safety Awards Now Are Available

Eligible Union Carbide Nuclear Company employees who picked the window cleaner as an award for the 18th and 19th Union Carbide Safety Periods may pick them up at the Y-12 Safety Department, Bldg. 9704-2. The supply ran out during the recent delivery of the individual safety awards, but the articles were received last Friday. Early pickup of the awards is urged by the Safety Department.

WHERE IT ALL STARTED

According to a historical note, Julius Caesar was the first official to start one-way streets, decreeing the move in Rome to combat chariot traffic jams.

Safety Record For 1957 Tops Figures Of 1956

Marked Drop Noted In Disabling Mishaps For First Half Of Year

A marked decrease in the number of disabling injuries and medical treatment cases (minor injuries not resulting in loss of time) was noted by the Y-12 Safety Department for the first six months of 1957 as compared to the corresponding period of 1956. In fact, the safety statistics for the first half of this year compare favorably with any year of Y-12 Plant operations since Union Carbide Corporation took over operations here in 1947.

Y-12ers More Safety Conscious

The distinct and gratifying improvement in the Y-12 safety record so far this year is attributed to the return of the state of mind of safety consciousness on the part of all Union Carbide Nuclear Company employees in the Y-12 Plant Area. More strict observance of safety rules and regulations, increased use of prescribed safety equipment and "practicing what is preached" at divisional, departmental and shift safety meetings.

The cold figures show that for the first half of 1957 there have been only five disabling injuries in the Y-12 Plant Area as compared to 19 last year. The real figure story of the betterment of the safety record is shown in the accident frequency rate, the number of disabling injuries for each 1,000,000 man-hours of plant operations. This important figure is 0.9 for the first six months of 1957 as against a high 3.1 for the same period in 1956.

Time Lost Is Far Less

During the first six months of 1956 the number of days lost through disabling injuries was 17,111, which includes two fatalities listed at 6,000 days each. For the same period this year, only 35 days have been lost because of injuries on the job.

The five injuries so far this year include three from temperature burns and two as the result of fractures. Through July 1 last year there had been five temperature burns, five contusions or sprains, four abrasions, lacerations or amputations, three chemical burns and two fractures listed as cause of lost time accidents.

Minor Injuries Also Decrease

In the field of minor injuries treated at the Y-12 Dispensary that did not cause loss of time

Continued on Page 4

SAFETY SCOREBOARD

The Y-12 Plant Has Operated
46 Days Or
1,368,990 Man-Hours
(Unofficial Estimate)
Without A Disabling Injury
Through July 28
Phone 7755
For Daily Report
On Accident-Free Hours

The Bulletin

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GEORGE W. DOBBS . . . Editor

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Chris, Flo, Ford All Newsmakers During August

August, the dog days month of historical heat, also has a number of important date anniversaries and special occasions to observe.

It was on August 1, 1492, that Christopher Columbus with less than 100 men in three ships set sail from Palos, Spain, on his historic voyage of discovery to the new world, where he landed October 12 of the same year.

Back on August 8, 1950, Florence Chadwick, then 31, of San Diego, Cal., swam the English Channel in the record time, for women, of 13 hours, 28 minutes. She's at it again, planning to swim the Bristol Channel between England and Wales.

A man named Henry Ford quit his job with a Detroit electric company on August 15, 1899, to go into the automobile business.

On August 24, 1814, British troops captured Washington, D. C., and burned the capitol.

The first automobile driver known to be arrested for speeding was jailed for five days in Rhode Island on August 27, 1904.

Next Sunday, August 4, is Friendship Day and V-J Day will be observed on August 14—one long to be remembered by old-timer Y-12ers.

10 Years Service

Congratulations to **Wallace Humphrey**, of the Mechanical Department, who will complete 10 years of Company Service on August 5.

Wiener Roast Set Aug. 15 By A Shift At Concord Park

Following up their enjoyable recent picnic, A Shift employees in Y-12 will hold a wiener roast for their families and friends on Thursday night, August 15. The shindig is slated for 7 p.m. in the picnic area on top of the hill at Concord Park, overlooking the lake. The food and drinks will be furnished by the A Shift Recreation Committee with the only admission being a donation of 25 cents to the shift recreation fund.



"Clancy always likes a nice atmosphere when he eats!"



FORRESTER-MOORE

A wedding that united two Y-12 families was solemnized on Friday night, July 17, when Miss Oretha Moore and Don D. Forrester exchanged marriage vows at the Oak Ridge Community Church. Miss Moore is the daughter of Murray W. Moore, Sr., of Research Services, and Mrs. Moore, 344 West Outer Drive, Oak Ridge. The groom is with the Stores Department in Alpha Five. He is the son of Mr. and Mrs. Earl J. Forrester, of 103 Plymouth Circle, also of Oak Ridge.

The ceremony was performed at 8 p.m. by the Rev. John E. Craven, pastor of the church.

The bride was given in marriage by her father and during the ceremony wedding music was presented by Mrs. J. E. Craven, soloist; accompanied by Mrs. T. L. Hart at the organ.

For her wedding the bride wore an original creation by Joelle of imported French rosepoint Chantilly lace of ballerina length with a demi-train. Her tiara veil was waist length of silk illusion. Her bouquet was a white orchid with lily of the valley streamer.

Miss Rita McNamee, of Powell, was maid of honor and wore a ballerina dress of coral chiffon, wearing a white hat and a corsage of coral camellias. The bridesmaid was Miss Georgianne Walker, of Oak Ridge, whose gown was a ballerina of blue chiffon with a white hat and corsage of coral camellias.

John Holleman, of Oak Ridge, was best man and ushers were Larry Forrester, brother of the groom; and Murray W. Moore, Jr., brother of the bride.

At a reception given at the home of the bride's parents after the ceremony, Miss Sonya Hart was in charge of the guest book. Others aiding at the reception were Misses Mildred Sampley and Laura Gary and Mesdames Norma Shumpert and J. M. Brooks.

Out of town guests were Mrs. Grace Moore, Mr. and Mrs. J. M. Brooks, Mr. and Mrs. H. L. Williams and Mr. and Mrs. C. B. Moore, Jr., all of Memphis; and Mr. and Mrs. W. R. Bettis, Mrs. William E. Scott and Kimberly Scott, of Marietta, Ga.

Both the bride and groom are graduates of Oak Ridge High School. The couple will live in Oak Ridge.

STAPLETON-STONE

A wedding of interest to many Y-12ers was that of Miss Betty Jo Stone, daughter of Allen E. Stone, of Research Services, and Mrs. Stone, of Karns; and Marine Sgt. Bill R. Stapleton, performed at 7 o'clock Monday night, July 22, at the Grace Baptist Church on the Oak Ridge Highway. The marriage vows were exchanged before the Rev. Roy O. Arbuckle, pastor of the church.

The groom originally was from Surgoinsville, Tenn., and graduated from high school there. He is a career member of the United States Marine Corps and now is stationed at the El Toro Marine Base at Santa Ana, Cal., where the couple will live.

Given in marriage by her father, the bride wore a ballerina length gown of pure silk with a Sabrina neckline and sequin trim with a bouffant skirt. Her veil was shoulder length held by a half cap of pure silk and lace and a tiny pearl trim. She carried a Bible topped with a white orchid and streamers.

Mrs. Muriel S. Hurst, cousin of the bride, Alcoa, was matron of honor. She wore a street-length dress of pastel pink taffeta fashioned on princess lines with empire waistline, low round neckline and cap sleeves. Her bouquet was of deep pink asters. Flower girls were Sandy Hurst and Jan Stanridge, cousins of the bride from Alcoa.

Wedding music was presented



Mr. and Mrs. Don D. Forrester



Sgt. and Mrs. Bill Stapleton

by Miss Mary Jean Miller, soloist, and Mrs. Barabra Justus, organist. Jerry Hurst, Alcoa, was best man and R. L. Clark and N. A. Stone, both of Knoxville, were ushers.

A reception was held at the home of the bride's parents immediately following the ceremony.

Out of town guests were Mr. and Mrs. M. L. Stone, Etowah, Tenn., and Mrs. Nola Stapleton, Mrs. Joyce Fain, Miss Joyce Fain, Mrs. Quenton Stapleton, Mrs. Frances Fain and Miss Patricia Stapleton, all of Rogersville, Tenn.

The bride is a recent graduate of Lincoln Memorial University, Harrogate, Tenn., where she earned a B.A. degree. She graduated from Karns High School.



Get well wishes are sent the following Y-12 employees who were patients in the Oak Ridge Hospital last week:

H. B. Oliver, A Mechanical Operations; J. C. McBrayer, Research Services; A. D. Marlow, Stores; L. M. Gibson, Jr., Buildings and Grounds; W. A. Cofer, General Machine Shops; T. H. Coulter and F. A. Wells, Product Processing; V. A. Stanley, Mechanical; S. A. Parish, Process Engineering.

Many Y-12ers To Take Part In Karns Fair On August 10

The many Y-12 residents of the Karns community in Knox County are expected to play a major part in the fourth annual Karns Fair scheduled for Saturday, August 10, at the Karns High School. A varied program of entertainment will be offered, including exhibits, a variety show and coronation of a Karns queen. A fried chicken carnival will be held from 4 p.m. to 8 p.m. and barbecued hot dogs, cotton candy, ice cream and cold drinks will be available for the large attendance expected.



It's back to the salt mines for the Colyum Conductor after his most enjoyable vacation jaunt to the Great Northwest—based on Coeur D'Alene, Idaho, with side trips to Spokane, the imposing and magnificent Grand Coulee Dam, Seattle, the Pacific Beaches, the Cascade Mountains and way points. Not nary an Injun was sighted and the high spot was a reunion with a long-time no-see beloved cousin and her charming hubby. Mebbe, if some snapshots turn out okay, some interesting pix may be shown soon. Meanwhile—on with the report of what's doing around these parts.

ALLOY

Colex Auxiliary Operations is hearing a lot of gab these days from a pair of Proud Pops . . . Tom Hatton has a new son, Edward David, weighing seven pounds, 13 ounces when he arrived July 13 . . . Larry Lasher is equally proud of little Linda Katherine, weighing in at six pounds, 12 ounces at birth on July 17 . . . A. G. Harber and Bill Rains are putting in their two weeks of National Guard training at Ft. Stewart, Ga. . . J. M. Harris is conventioning in New York . . . Jean Vaughan and family are getting lots of rest, sea food and sunshine at Ormond Beach, Fla., just a little bit north of North Daytona Beach.

TECHNICAL

"Let's see now—I'll be gone a week so I'd better lock this stuff up," mused Bob Orrison, Indus-



trial Engineering, whose antics are cartooned here by Floyd Downs on the eve of the subject's departure for vacation.

Mechanical Engineering reports that the C. P. Tudors and the W. B. Hoods are off to Myrtle Beach for a week of splashing . . . The department has been greeting E. R. Watkins, Jr., an industrial design student at the University of Cincinnati, who is doing his co-opping here for the quarter . . . Steve Koczan and E. J. Asbury were missed last week while they were fighting the flu . . . Loretta McBee and her sister visited the Cumberland Gap country last week and brought back another sister, Frances, for a visit . . . Tom Swindell and family are resting up at Norris . . . M. B. "Wimpy" Hilton has added 10-foot extension to his five-foot tomato stakes—when he raises Big Boys he raises 'em.

B. E. Cooper, Instrument Engineering, and the missus are enjoying a brief interlude at dear old Daytona. Project Engineering says that R. G. Dunn and family have taken off for a week at Crossville. Piping and Civil Engineering pipes out that Tom Address is on the sick list and his wife is in the hospital—get well wishes to both of them . . . Pete Blackmon and family took off for Treasure Island, Fla., for two weeks . . . Charlie Morris got lost in Alpha Four the other night and when a posse was about to be formed he was found walking down the tracks—possibly trying to hop a freight.

Special Projects rolled out its red carpet again—this time to welcome Ted Newman and Larry Rinderer (son of Pete Rinderer, Mechanical Operations Division), latest additions to the group . . . Frank McGuiness returned from vacation with a new outlook on being gifted with a "picture window" by fellow employees.

Juanita Moore, Production Anal-

ysis, week ended at Camp Carson at Newport, Tenn. . . Tom Barton went to Kentucky to bring home his wife and daughter . . . Maggie Bloomer spent the week end in Jamestown, Tenn. . . Ruby Viator has her sister and her husband, from Benham, Ky., as visitors—they made a trip to the Smokies . . . J. W. Williams is in Virginia for two weeks.

Judy Butler, Production Assay C Shift, and family are in Panama City, Fla., for a week . . . T. I. Knisley and her husband are vacationing in Atlanta . . . Charley Settles is National Guarding at Ft. Stewart, Ga. . . Jenny Hill went down to Daytona . . . The department's D Shift tells that Irene Ellison had visitors from Chattanooga last week . . . Charlene Asbury visited her parents in Middlesboro, Ky., last week end—she also has six cute kittens to give away and can be phoned at 7248.

Special Testing has Margaret Brooks and Frances Kelly going to the old home state of Alabama for some relaxin' and loafin' . . . Ben Rutherford is another Ft. Stewart, Ga., trooper this week . . . Katherine Dropper is painting and moving into her new home . . . V. C. Jackson is contemplating a trip to Florida.

Doris Campbell, Laboratory Operations, week ended with her parents in Middlesboro, Ky. . .

J. E. Parham is welcomed back after a couple of weeks of reserve training at Ft. Bragg, N. C. . . Nell Miller is visiting old friends and her parents in Huntington, Tenn. . . Lynn Fuson is entertaining a girl friend from Alexandria, Tenn. . . Arthur "Shorty" Rogers and spouse had a shopping spree in Atlanta last week end . . . Flash—Jack Hickey has a new daughter—hope for more details later.

MAINTENANCE

Research Services sends get well wishes to Joe Hale and C. R. Johnson . . . Likewise to Mrs. E. R. Pollard and Mrs. R. K. Reedy . . . Also to the daughter of W. L. Allen, in a children's hospital in Knoxville . . . The Beta Three branch sympathizes with Caroylea Bowers—all puffed up with the mumps . . . The crew is glad W. R. Jones and W. B. Backham are back after extensive illnesses . . . Carol Bridges is welcomed as a newcomer via the transfer route.

J. D. Moore, Electrical Maintenance, is doing Daytona Beach and St. Petersburg, Fla., for a couple of weeks . . . T. W. Rogers also visited St. Pete and then went to Chicago . . . Likewise in Chicago is B. G. Roe and family visiting his Mom and Dad . . . J. L. Morgan and family are visiting his and her folks in Athens and Atlanta, Ga.

Process Maintenance welcomes W. D. Blevins, transferred from Electrical Maintenance . . . Get well wishes are sent T. E. Lankford's wife, ill in East Tennessee Baptist Hospital in Knoxville . . . Vacationers include C. B. Newman and wife in Elizabethon, Tenn., and West Virginia . . . R. F. Hawk at Myrtle Beach, S. C. . . D. Justice visiting an old Army buddy in West Tennessee . . . J. C. Knisley with a brother in Georgia . . . L. L. Perkins touring Mississippi, Arkansas and Louisiana . . . M. V. Franklin in West Virginia and Kentucky . . . F. S. Bowman in Florida . . . H. R. Parks in Cincinnati and Detroit and D. L. McCord resting at home in Oak Ridge.

Clarence Greener McQueen, Buildings and Grounds, is vacationing in South Georgia, where he has bought an acre and old mule and invites visiting Y-12ers to help him plow.

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

Jed Temple, Assistant A Shift Superintendent, and folks were Florida visitors last week . . . H. Continued on Page 4



C. F. Peterson O. E. Gilcrease

Ludwig Co-Champ In Dodo Tourney

Y-12er Sixth To Score Ace In Knoxville Event

Comparatively speaking, the Y-12 Plant golfing galaxy this season is all cluttered up with Dodos—those dunking the pellet into the cup with but one shot. There are three hole-in-ones among the ranks of Y-12 divot diggers this season—but only one, Floyd Ludwig, of the General Machine Shop, really cashed in with loot for his feat as he was one of two players to achieve the coveted ace in the annual Knoxville News-Sentinel hole-in-one tournament on July 20 and 21.

Peterson, Gilcrease Also Score
The other two Y-12ers who won distinction by holing out tee shots were Charley Peterson, D Mechanical Operations; and O. E. Gilcrease, Electrical Engineering. Both of these lads scored their Dodo shots in the last week of April in play at the Oak Ridge Golf and Country Club on Hole No. 3.

Ludwig's rival for the Knoxville title was Clarence Mynatt, who scored his ace on the first day of the tournament Saturday, July 20. He dropped the ball on his fourth of the five shots allowed each contestant. Few other entrants came close to the hole until the Y-12er strode to the tee on Sunday, July 21, and saw his fifth stroke trickle into the receptacle. Ludwig and Mynatt received duplicate prizes of a set of matched woods, a \$10 gift certificate, a big trophy and new golf balls.

First In 25 Years
"I've been playing golf for 25 years and this is my first hole in one," Ludwig beamed after winning his Knoxville honor. "Of course, it was a big thrill."

The Knoxville event drew 1,370 entrants who took 3,530 shots at the cup. It was the 25th tournament sponsored by the newspaper, during which time only six holes-in-one have been scored and the 1957 contest was the only time that two players have achieved the feat in any one year.

Luck? Maybe. But it is a big satisfaction to Ludwig to join the other six players who have fired their perfect shots out of the thousands of participants in almost a quarter of a century.

Congratulations—Floyd.

Lenoir Loop Lead Deadlocked By Two

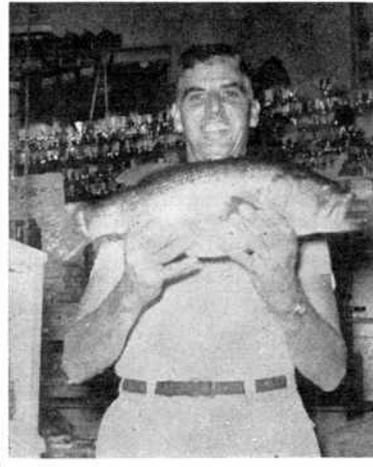
Two-point victories were turned in by four teams in the Lenoir City League for Y-12 golfers in its last reported action. When the divots stopped dropping a pair of teams were tied for first place, the deadlocked duos being Davis-Arrowood and W. C. Collins-Watson, the former team having defeated the latter in a head-on clash. Other results saw M. F. and J. L. Gilliam trimming Wallace and Patterson, Henck and Clabough clobbering Thompson and Kinkaid and Oxford and A. Collins beating Mills and Perry.

M. F. Gilliam turned in the low scratch score of the session with a 41 over the Martel course. A. E. Perry banged a handicap 32 for best of the day.

League standing follows:

Team	W	L
Davis-Arrowood	8 1/2	3 1/2
W. C. Collins-Watson	8 1/2	3 1/2
M. F. & J. L. Gilliam	8	4
Wallace-Patterson	7 1/2	4 1/2
Thompson-Kinkaid	5	7
Henck-Clabough	4	8
Oxford-A. Collins	4	8
Mills-Perry	2 1/2	9 1/2

White-Kuhn, 6-4, 2-6, 63, to retain fourth place. The standings as of last Friday were (1) Mary Cusman-Ballenger, (2) Lorraine White-Campbell, (3) Helen Gombita-Laggos, (4) Helen Brown-Everitt, (5) Nell McGinnis-Harper and (6) Mildred White-Kuhn.



MIGHTY PROUD of his fine large-mouth bass caught from Watts Bar Lake is Oscar E. Wiggers, of Process Maintenance. The lunger was taken on a live minnow bait and will be a strong contender for top honors in the current Y-12 Fishing Rodeo that closes September 2.

Rebs Win Two To Lead League

Wildcats And Reactors Fall To Unbeaten Team

The ramblin' Rebels romped through a couple of more triumphs in the Y-12 Plant Softball League last week to retain their unbeaten status at the top of the standings. Their victims were the Wildcats, whipped by 15 to 4; and the first half champions, Reactors by 3 to 1.

Collins Boys, Sise Star
The Collins boys, Ernie and J. D., were the big guns in the walloping of the Wildcats. Each of them banged two for three and each had a round tripper. Teno also was potent at the plate with three for four. Veteran hurler Ed Sise breezed along with nine strikeouts and allowed seven scattered safeties. Hurler Hart did his durndest for the Cats at bat with two for three, including a double, but his wildness was costly, as he gave nine free tickets to first base.

Against the Reactors Sise was even more effective, allowing but three bingles to the first half titlists. Ernie Collins again did well at the dish with two for three and Miller banged a triple to aid the Rebs. The Reactors' only tally was a home run by Roe.

Reactors Win Twin Bill
In a Saturday morning double-header the Reactors took a twin bill from the Early Birds, taking a close 6-to-5 decision in the opener and then romping to a 19-to-4 triumph. Manager Harley Law hurled both victories and banged an important homer in the first game. Houston with three for three and Bullard at three for four were the best Bird batters. In the second tilt the Reactors got to Compton for 10 big runs in the first inning before Bullard could come back and temporarily halt the run parade. Dyer and Hopkins homered for the winners.

League standing and line scores follow:

Team	W	L
Rebels	4	0
Cubs	2	1
Reactors	2	2
Wildcats	1	2
Early Birds	0	2
B Bombers	0	2
Screwballs	0	3

LINE SCORES

Team	W	R	H	E
Rebels	440	140	2-15	9 1
Wildcats	002	200	0-4	7 3
Batteries: Rebels, Sise and J. D. Collins. Wildcats, Hart, Clevering and Osborne.				
Rebels	002	010	0-3	7 0
Reactors	000	010	x-1	3 3
Batteries: Rebels, Sise and J. D. Collins. Reactors, Law and Smith.				
Early Birds	200	030	0-5	11 1
Reactors	122	010	x-6	8 0
Batteries: Early Birds, Bullard and Bowman. Reactors, Law and Smith.				
Reactors	10	10	620	x-19 15 2
Early Birds	0	00	400	x-4 5 4
Batteries: Reactors, Law and Smith. Early Birds, Compton, Bullard and Bowman.				

Biggest Y-12 Golf Tourney Draws 97 To Beautiful Gatlinburg Course

Tibbatts Scores Hole In One On 175-Yarder; Arnold Tiller Burns Up Links With Fine 75

What is believed to be the best golf tournament ever staged by Y-12ers was played last Saturday at the beautiful new course of the Gatlinburg Golf and Country Club that saw a record number of 97 players touring the mountainous and picturesque layout. Not only was the turnout a record, but the Y-12 contestants posted a number of fine scores and one, Nelson Tibbatts, poked a hole in one on the 170-yard No. 5 hole, becoming the fourth golfer of the year in Y-12 to score an ace.

Tiller Fires 17 Pars

The low scratch score of the tournament was posted by Arnold Tiller, who burned up the course for a fine 75, shooting 17 of the 18 holes in par. He was followed by Frank Burchfield with 79, Floyd Ludwig 82, and George Wiley 88. Top handicap scorers in the First Division were Jack Spears 72, J. Patterson 75, Eddie Roberts 77 and Brice Burris 80. Art Hines shot 14 holes in par to win the award there, as Tiller could win only one prize.

In the Second Division it was W. Collins for the scratch honors with 88, followed by I. G. Speas 89, Bill Mee 90 and J. P. Smith and Dan Stroud tied at 92. For handicap awards E. Webster shot 73, then came Tibbatts 75 and Kirl Kahley, Wade Roberts and Joe Raper were deadlocked at 77. George Peterson fired the most pars with 10 and also scored a net 88 scratch and 75 handicap.

Underwood Leads Third Division

Gentry Underwood led the Third Division scratch parade with 93, trailed by V. M. Oxford 97, Bill Ebert 98 and A. H. True 99. In handicap scoring Bill Hackett and F. K. Clabough tied at 73, with Avis Collins at 78 and Jack Thomson close behind at 78 and 79. R. P. Wallace fired five pars in this group.

The Fourth Division had E. S. Henck in front in scratch scoring with 108. He was followed by Bill Hackett at 110 and J. B. Anderson and R. Emory tied at 117. The handicap scoring was led by H. Eichenberg with 75, with A. E. Perry 73, James May 87 and G. B. Morrow and P. L. Mullins tied at 90. Art Stewart got four pars in this division.

Play Is Progressing In Knox Loop Meet

Second round matches were scheduled to be completed by July 28 in the tournament being conducted at the Whittle Springs course by the Y-12 Plant League for Knoxville golfers with finals slated to be played not later than next Sunday, August 4. Winners in each of the three flights will receive prizes of eight golf balls with four balls going to the runners-up.

In the First Flight opening matches Tom Perry beat C. C. Morgan, J. Miller beat J. C. Bowles, A. L. Sawyer downed Bobby Loy and George Peterson popped E. F. Leach. In the second round it was to be Perry vs Miller and Sawyer vs Peterson. In the Second Flight it was George Everitt over M. R. Emery, Bill Wilburn over J. Hill, Bill Hackett over Gene Huskisson and K. D. Cook over M. B. Hilton. These winners meet in the semi-finals. Third Flight results saw P. E. Stein whipping G. Lockhart, D. E. Troutman topping B. Schappel, P. F. Galle defeating Phil Breman and R. Schappel licking L. Kovach. Victors in these matches also will battle to enter the semi-finals.



OAK RIDGE GOLF LEAGUE champions for the 1957 season are Logan Emlet and Art Hines, shown above, who nosed out Bob Orrison and C. E. Harris.

Hines-Emlet Take Ridge Title; Meet Will Open Today

A whirlwind finish brought the championship of the Y-12 Plant Golf League for Oak Ridge golfers to the Art Hines-Logan Emlet team on the last day of play and led to the opening of a tournament for the loop contestants that will begin today, Wednesday, July 31. The regular team players and alternates have been divided into five flights for the tournament, which will be concluded by Sunday, August 18.

In the First Flight, Carl Dorr drew a bye, Paddy Peckman will meet Frank Kennedy, Jack Spears will play Arnold Tiller and Ed Gambill will battle Art Hines in first round play, to be finished August 4. The Second Flight pairings are C. E. Harris vs bye, I. G. Speas vs D. D. Stroud, John Boyd vs James Bartholomew and George Mitchel vs Bob Orrison. In the Third Flight it is Logan Emlet vs John Snyder, George Oliphant vs H. C. Nichols, Jay Holzkecht vs Nelson Tibbatts and J. P. Smith vs bye. Fourth Flight pairings are Karl Kahley vs Jack McLendon, Gentry Underwood vs L. B. Cabe, Charley Peterson vs Sewell Brown and Harold Ratjen drew the bye. J. W. Ebert drew a bye in the Fifth Flight and other pairings are R. Dehoney vs Jack Thomson, O. E. Gilcrease vs Roy Roberts and G. B. Anderson vs Rudy Pletz.

In the last round of play that brought the loop crown to Hines-Emlet, the champs took four points from Speas-Cabe while the previous first place holders, Orrison-Harris, were blanked by Mitchel-Tibbatts for six points. Low scratch and handicap scorers were George Mitchel 41-33, I. G. Speas 41-35, J. P. Smith 42-34, Nelson Tibbatts, 43-32, Logan Emlet 43-34 and Charley Peterson 45-35.

Final league standing follows:

Team	W	L
Emlet Hines	56	22
Orrison-Harris	55	23
Speas-Cabe	50	28
Boyd-Oliphant	47	31
Peterson-Brown	44	34
Mitchel-Tibbatts	41	37
Stroud-Tiller	39	39
Holzkecht-Peckman	37	41
Thomson-Dehoney	36	42
Bartholomew-Smith	34 1/2	34 1/2
Pletz-Roberts	33	45
McLendon-Underwood	29	49
Ratjen-Snyder	27 1/2	50 1/2
Gilcrease-Kahley	17	61

Women never thought that standing up for their rights would involve hanging on to bus straps.

Marksmen Still Pace Pistoleers At Half Season

The Y-12 Pistol League reached the half way mark on July 24 with the Marksmen far out in front in the standings with only one loss posted against them. In the July 24 firing the Marksmen defeated the Experts in both scratch and handicap scoring by 488 to 447 and 569.424 to 561.378. The Sharpshooters trimmed the Masters for two points, winning in scratch by 244 to 228 and in handicap by 284.460 to 281.971.

The high scratch individual score for the night was a 252 by T. J. Bush. Carl Brewster's 285-773 handicap score also was high for the session.

The league will resume firing tomorrow night, Thursday, August 1, when the second place Masters will endeavor to halt the victory string of the Marksmen. At the same time the Sharpshooters and Experts will battle it out for the cellar position.

League standing follows:

Team	W	L
Marksmen	15	10
Sharpshooters	6	8
Masters	8	13
Experts	3	18

Two Changes Made In Tennis Ladders

Only one change was noted in the Men's Doubles Tennis Ladder through July 26, Caudill-Stephens beating Kuhn-Harper by 6-1, 6-1 to take over the No. 6 rung from the losers. Campbell-Thomson retained their first place spot by repelling the challenge of Perry-Laggis, 6-3, 6-1, and the Perry-Laggis duo held on to their No. 3 position with a 6-2, 6-1 win over Nicely-Gregory. The men's doubles standing is (1) Campbell-Thompson, (2) Hackett-Ballenger, (3) Perry-Laggis, (4) Nicely-Gregory, (5) Henry-Sheehan, (6) Caudill-Stephens, (7) Kuhn-Harper and (8) Fischer-Horton.

In the mixed doubles competition Lorraine White and Campbell took over second place with a 6-2, 6-0 win over Helen Gombita-Laggis, sending the losers to third. Helen Brown-Everitt beat Mildred

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Y-12er's Son Commissioned As Air Force Lieutenant

Proud Father Heads Ridge Civil Air Patrol

Lonnie A. Slover, of the Y-12 Research Services Department, and his wife Ruby recently saw a "dream come true" for their older son, now Second Lieut. Robert A. Slover, USAF. The happy event was Robert's completion of the Aviation Cadet Program. The Y-12er is a major and commanding officer of the Oak Ridge Squadron of the Civil Air Patrol.

Lonnie and Ruby journeyed out to Reese AFB, Lubbock, Tex., for the graduation exercises held June 28. Lieutenant Slover was among the 15 aviation cadets receiving his commission and one of the 72 students receiving his pilot's wings.

Flew At Age of Seven

Lieutenant Slover, being thrilled with his first ride in a "Travelair" at the age of seven, longed for a career in the USAF, so he entered the Aviation Cadet Program in October, 1955. His training included three phases. He took Pre-Flight at Lackland AFB, Primary at Spence AFB, and Basic at Reese AFB. He is presently at Stead AFB, Reno, Nev., undergoing survival training. From there he is scheduled to go to McConnell AFB, Wichita, Kan., for transition training for flying B-47s. From there he will go to MacDill AFB at Tampa, Fla., for his permanent assignment with Strategic Air Command.

Prior to entering the Aviation Cadet Program, Lieutenant Slover was an active member of the Oak Ridge Squadron, Civil Air Patrol, both as a cadet and as a senior member. His experiences with Civil Air Patrol proved to be very helpful to him as well as the training he received in obtaining his student pilot licenses. He joined the squadron as a cadet in 1949 and attended three summer encampments and in 1955 he served on the encampment staff as a senior member. His last assignment on the Oak Ridge Squadron staff was Commandant of Cadets.

First to Complete Program

Lieutenant Slover is the first Civil Air Patrol member of the Oak Ridge Squadron to complete the Aviation Cadet Program and who could be more prouder than the commanding officer, his father, Maj. Lonnie A. Slover.

Pyrofax Gas Announces Promotion Of R. E. Roberts

R. E. Roberts has been elected Executive Vice-President of Pyrofax Gas Corporation, unit of Union Carbide Corporation, it has been announced by Walter A. Naumer, President of Pyrofax.

Roberts came to Union Carbide in 1926 as a salesman for Prest-O-Lite Company, Inc., in Indianapolis. The following year he went with Pyrofax and has held various sales posts. He moved to New York in 1938 to become Assistant Sales Manager and was promoted to the position of Sales Manager in the following year. Roberts was made a Vice-President of Pyrofax in 1953.



Lieut. Robert A. Slover

Trio Of Seminar Sessions Announced Programs Are Given For August 2, 6 And 9

Programs for three sessions of the Oak Ridge Physics Seminar for early August were announced by the group last week.

On Friday of this week, August 2, K. Z. Morgan, of Oak Ridge National Laboratory, will be the meeting speaker at 4 o'clock in Room 18, Oak Ridge Institute of Nuclear Studies Training Building on Administration Road. His subject will be "Maximum Permissible Exposure to Ionizing Radiation."

At the same time and place on next Tuesday, August 6, the speaker will be Roger Elliott, of the Atomic Energy Reactor Establishment at Harwell, England. His topic will be "Inelastic Scattering of Neutrons from Magnets."

For the Friday, August 9, meeting at the same time and place as the other two sessions Harold Enge, of Massachusetts Institute of Technology will speak on "Results of (d,p) Stripping Measurements on Some Light-Intermediate Nuclei."

It's smart to be safe.



Continued from Page 2

D. Duncan, Assistant C Shift Superintendent, is down on the farm this week . . . B Shift Superintendent **Finley Creigh** took visiting relatives from West Virginia along for a free picnic trip last week.

General Utilities welcomes **Donald Bell**, a summer employee, from the University of Tennessee . . . **Jackie Ford** week ended at Gate City, Va., with her parents . . . Vacationers include **Jim McLain** on the lake near Harriman, **R. B. Amos** at home in Oak Ridge and **E. E. Spradlin** fishing in Florida.

MECHANICAL OPERATIONS

R. G. Spurling, F Mechanical Operations, is telling one and all about his new daughter—Linda Anne was born July 13, weighing six pounds, four ounces . . . Li'l ole Texas was **J. B. Moss'** vacation spot . . . **R. F. Underwood** went home to Lansing, Tenn. . . **L. R. Loveless** moseyed to Massachusetts

R. E. Jones, C Mechanical Operations, is back from a vacation in Paris and London—Kentucky, that is . . . **A. R. Brown** brought back a suitcase full of fish scales from Florida . . . **G. W. Holcombe** went on a "honey-do" (what's that?) vacation in Ohio and Oak Ridge . . . **Kirby Duke** and his wife, **Eleanor Duke**, Product Processing, entertained the Training Union group at their Burchfield Heights home recently with 35 to 40 attending.

B Mechanical Operations sends word that **H. Finley** is in Damascus, Va., attending his sister's wedding and acting as best man for the groom . . . **E. M. Miller** is resting at home with a side trip to the Smokies . . . **E. F. Litton** is a National Guard sojrer at Ft. Stewart, Ga. . . **W. E. Sizemore** is in Mapleton, Fla. and **J. W. Halsey** is visiting kin folks in Bristol, Va

Clyde "Lefty" Carter, A Mechanical Operations, vacationed in Coalfield, Tenn. . . **C. T. Bunch** is doing likewise in Florida . . . **J. L. Isabell** is answering Uncle Sam's call by doing some Army Reserve training . . . Get well wishes to **G. E. Taylor**, **Herb Oliver** and **J. H. Oldham**.

Vacationers abound in General Machine Shop . . . **L. P. Vines** is visiting kin folks in Clanton, Ala. . . **C. E. Bolyard** is off for two weeks to do some water skiing and then to Manheim, W. Va., and Cleveland, Ohio, for some fishing . . . **W. P. Ingle** is visiting friends at Saginaw, Mich. . . **Earl H. Johnson** went to Daytona Beach, via Cincinnati . . . **O. Young** is up in Wisconsin . . . **Gerald Lankford** is visiting in Waverly, Ohio . . . **L. E. Coling** is visiting his mother in Greenville, Ill. . . **S. L. Newton** toured Jacksonville and Sarasota, Fla., before going to Alabama for a family reunion that has been held for more than 60 years . . . **E. M. Coburn** is another Daytona Beach visitor . . . **J. H. Watley** is seeing his father in Scottsville, Ala. . . **J. B. Graham** is fishing at Lakewood Marina and will look up some kin folks in Chattanooga . . . **F. Vaughn** is spending a couple of weeks with relatives in Kingsport, Tenn., and Dante, Va. . . **J. D. Kile** had a rough vacation—wrecking his car in Chicago . . . **C. L. McCarty** and **J. O. Shoopman** are back from vacations in Oliver Springs . . . **L. B. Gillis** week ended in Camden, Tenn., with relatives . . . Mrs. **Jim Thorpe** is visiting her daughter, Mrs. Jim Nielsen (the former Miss Pat Thorpe) in Cedar Rapids, Iowa . . . **N. C. Abbott** had his daughter and son-in-law from Cincinnati as visitors last week end while he was vacationing . . . **T. W. "Woody" Williams** qualified for the Proud Pop's Club July 23 when he became father of an eight-pound daughter born in Lake City . . . Get well wishes to

O. Loyd, ill for the past three weeks . . . Also to **W. A. Cofer** in Oak Ridge Hospital, and **B. Lowery**, facing a tonsillectomy in Corinth, Miss. . . Likewise to **K. B. Barker's** father in St. Joseph's Hospital, Lexington, Ky. . . Condolences to **C. H. Drummond**, whose mother-in-law, Mrs. Ethel Carmon, died July 23 in Tazewell, Tenn. . . Also to **James Settle**, whose mother-in-law, Mrs. Zeda Stephens, succumbed in Fountain City July 17.

INDUSTRIAL RELATIONS

The Cafeteria sends rapid recovery wishes to **Rosa Lowe** in Ft. Sanders Presbyterian Hospital in Knoxville.

The Fire Department's **Capt. Dave Turner** meandered down to Miami for vacationing purposes . . . **E. E. Gregory** is visiting in Shelby, N. C. . . Get well wishes are sent **Beverly Greer Northcutt**, daughter of **Capt. E. F. Greer**, ill in Oak Ridge Hospital.

CHEMICAL

Product Processing welcomes **Margaret Hickey** and **Chester Spradlin** back after bouts with the flu . . . The department also welcomes newcomer **J. T. Dobbs** . . . Congratulations are being handed out to **E. K. Yates** on the arrival of a bouncing baby boy weighing eight pounds . . . **R. J. Luck** is airing out with the U. S. Air Force Reserves . . . "**Liz**" **Harris** and hubby "**Fuzz**" of Maintenance, enjoyed attractions at Pigeon Forge and Gatlinburg last week end . . . **F. M. Tench** is on a tour of the Far West—taking in Yellowstone Park, Denver, Col., points in Wyoming and other spots of interest . . . **G. E. McNabb** is vacationing in Atlanta.

FINANCE AND MATERIALS

The Travel Office received a box of candy from **Betty Heath**, a Florida vacationer last week . . . **Barbara Pullen** and family are enjoying week ends on Ft. Loudoun Lake in their new boat . . . **Bill Plemens** is staying at home this week in Norris—painting his ancient automobile. Reproduction reports **Richard Humphrey** vacationing at an undisclosed destination and also that **E. A. Hauther** is back from a week off in Knoxville.

Sunny Miami beckoned **W. C. Hoppe**, Property, for vacationing purposes . . . **Clifford Anderson** will stay at home in Maryville and **Frances Smith** is doing likewise at home in Oak Ridge.

Bertha Crowder, SS Material Control, and family are vacationing in Kentucky and at home in Oak Ridge . . . **John Lay, Jr.**, and Mrs. Lay are visiting her relatives in Texas . . . **Charley Gillihan** went to Middle Tennessee and **Joe Beever** trekked to Jellico last week . . . **Evelyn Bell** and her husband, Don, week ended in Cincinnati, Ohio.

Tabulating Services had **Elizabeth Wilson** over at Lake Junaluska, N. C., last week . . . **Kate Penland** week ended with her parents in Highlands, N. C. . . Supervisor **E. W. Bailey** is visiting his family in Ohio.

Shirley Kirkwood, Plant Records, and her husband, ambled to Augusta, Ga., for their vacation. The Mail Room welcomes **F. West**.

Happy everything to everybody—that's our sentiments. Be seeing you all.

A handful of common sense is worth more than a bushel of learning.



YOUNGSTERS AGAIN dominate the Y-12 Weekly Photographic Contest for the week ending July 26. At top is "Rockaby Baby," taken by T. H. Barton, Sr., Production Analysis, for first prize, the subject being his daughter and her doll. Below is "Pensive," the thoughtful lad being Mickey Stanaland, 18-month-old son of C. A. Stanaland, General Machine Shop, who took the picture for second place.

1957 Safety Record Far Ahead Of 1956

Continued from Page 1
from work, the Y-12 Plant record also is impressive for the first half of this year. Through July 1, 1957, there have been 1,783 such cases listed as compared to 2,846 last year. The frequency rate for the minor injuries for the first half of 1957 was 316 as against 463 the previous year.

The improved safety behavior of Y-12ers has resulted in two complete Union Carbide Safety Periods of more than 1,500,000 hours of plant operations without a disabling injury being posted and another that started late in 1956 being completed. This makes a total of 20 such periods having been established in the Y-12 Plant Area since Carbide operations began here back in 1947.

21st Period Near At Hand
In addition, the 21st UCC Safety Period is on the verge of being posted in the Y-12 Plant Area—as through Sunday night, July 28, another long string of accident-free hours had been worked with the figures reading 1,368,990 man-hours on the safety scoreboard Monday morning of this week with the last disabling injury occurring back on June 13.

Let's keep up the good work—remembering that although statistics are gratifying, the freedom from pain, inconvenience and expense caused by injuries mean a great deal more.

Rides Wanted, Offered

Riders wanted or will join car pool from Burlington section of Knoxville to West Portal, straight day. C. G. Clifton, plant phone 7932, home phone 2-0430, Knoxville.

Ride wanted or will join car pool from West Tennessee Ave., Knoxville, to Bear Creek Portal, B Shift. Pat Dabbs, II, plant phone 7-8492, home phone 2-1127, Knoxville.

Ride wanted from Tekoa Grill, Ridgedale Community, Oak Ridge Highway, to West Portal, straight day. A. T. Austin, plant phone 7-8548.