

UCC Vice President Named; Affiliates Get New Presidents

Executive changes in Union Carbide Corporation have been announced by Birny Mason Jr., president of the corporation. E. Edgar Fogle has been elected a vice-president; Paul L. Alspaugh appointed president of Union Carbide Chemicals Company; James C. Malone appointed president of Union Carbide Olefins Company; and Ronald S. Wishart appointed general manager of the Silicones Division.



E. Edgar Fogle

E. Edgar Fogle, who has been president of Union Carbide Chemicals Company since 1957, will be concerned primarily with the marketing activities of the corporation. He came with Union Carbide in 1930 as a research fellow at Mellon Institute. He was appointed a vice-president of the Chemicals Company in 1954. A graduate of Marietta College where he received the BA degree in chemistry, Fogle also holds honorary degrees of doctor of laws from Marietta College and doctor of science from Morris Harvey College.

Paul L. Alspaugh joined the corporation in 1928 at the South Charleston plant of the Chemicals Company. In 1954, he was transferred to Union Carbide Metals Company. He moved to the Olefins Company as a vice-president in 1960 and became president in 1961. An alumnus of Ohio State University, Alspaugh graduated in 1927 with a BS degree in mechanical engineering.



Paul L. Alspaugh

James C. Malone has been with Union Carbide since 1941 when he joined the Chemicals Company at South Charleston as a development engineer. In 1960, he moved to New York as assistant to the general manager of the Silicones Division. He became general manager in 1961. Malone graduated from West Virginia University in 1941 with a BS degree in Chemical Engineering.

The new general manager of the Silicones Division, Ronald S. Wishart, has been with Union Carbide since 1948. He joined the corporation's division, Linde Company, at Tonawanda, New York, as a process development engineer. He moved to the Silicones Division in 1956 where he became manager — product marketing in 1960. A graduate of Rensselaer Polytechnic Institute, he received a BS degree in chemical engineering in 1948.



James C. Malone

New Lab Facility Will Be In Y-12

The Atomic Energy Commission is advertising for bids for the construction of a new cancer research facility — the Co-Carcinogenesis Laboratory — to be an existing building in Y-12.

The new laboratory will provide facilities for a research project to study the roles of radiation, viruses and chemicals as causes of cancer. The work is a joint effort of the National Cancer Institute and the Oak Ridge National Laboratory.

The facilities will include animal rooms; autopsy, pathology, chemical analysis and other laboratories; and various other operation and support areas, and offices.

The new laboratory will occupy about 10,600 square feet of floor space . . . heating and air conditioning equipment will require an additional 1,800 square feet.

How To Retire On Cool Million!

By living a quiet, conservative life . . . you can retire on a modest income. Live recklessly, and you can retire with a million dollars on royalties from your memoirs.



RECEIVING A HANDSOME PLAQUE for the seven years plus that the Plant Shift Superintendents and Utilities Division has come without a disabling injury is Division Head Dan. H. Rader, Jr., at right, in center. Clarence Johnson, head of Y-12's Safety Department, makes the presentation, as proud Utilities and PSS personnel look on.

Plant Shift Superintendents, Utilities Division Earns Plaudits For Safe Record

Recognized recently for their outstanding contribution to Y-12 Safety Record was the Shift Superintendents and Utilities Division. A plaque went to the Division for seven full years of operation without a disabling injury.

"Had the entire plant operated on such a record, Y-12 as a whole would have enjoyed a record well past 85,000,000 man-hours," Clarence Johnson, safety head, pointed out.

"This would have been a world's record in the chemical industry, or any other industry as far as that goes."

The plaque was presented in ceremony in the Shift Superintendents' Conference Room, Building 9706-2, last week. It went to division head D. H. Rader Jr.

Work Is Diversified
Although the Division itself is small in number (compared to other Y-12 divisions) the work is as diversified as any in the plant.

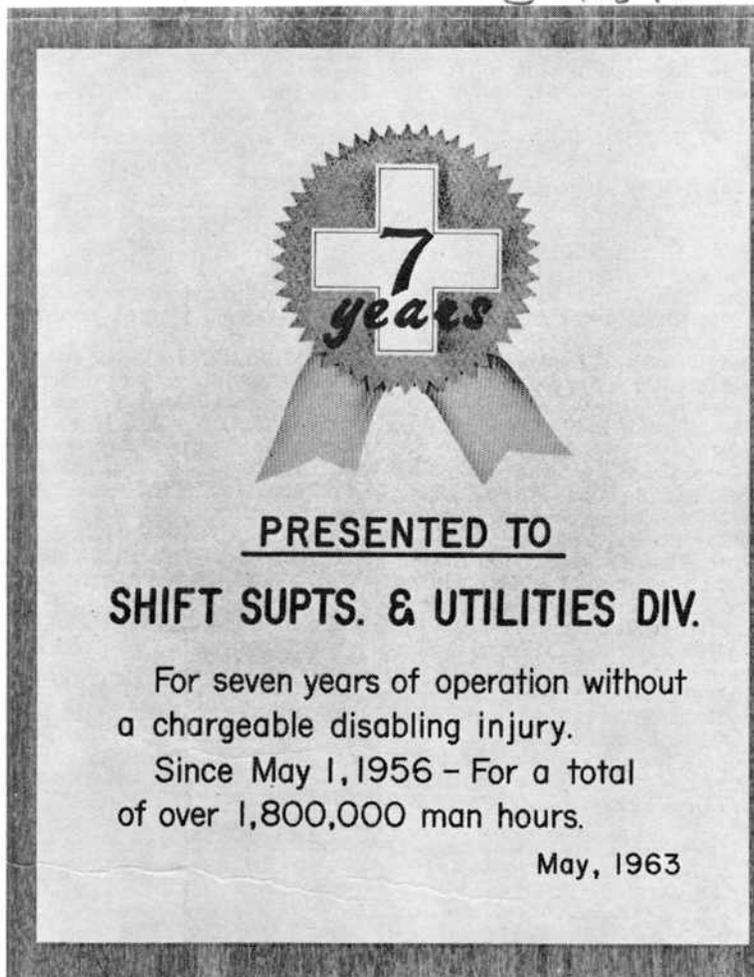
The Utilities section handles water, heat, air-conditioning, atmospheric control, the distribution of various gases, distribution lines (which includes the manufacturing of nitrogen), compressed gas cylinders; operates the steam plant, and many other details often taken for granted.

The Shift Superintendents, of course, are concerned with every plant operation, and act as emergency directors if and when such emergencies arise.

"Keep It Up!"
In accepting the plaque Superintendent Rader said he felt it was due to the safety consciousness of every employee that made such a record possible. "My only comment would be 'Keep it up,'" he stated.

Since the PSS and Utilities Division personnel operate in every corner and parcel of the plant it is particularly noteworthy that their accident-free record is of such duration.

Congratulations to the Plant Shift Superintendents and Utilities Division on their sterling seven year record!



PRESENTED TO
SHIFT SUPTS. & UTILITIES DIV.

For seven years of operation without a chargeable disabling injury.

Since May 1, 1956 - For a total of over 1,800,000 man hours.

May, 1963

A REPLICA OF THE PLAQUE presented Shift Superintendents and Utilities is seen above, showing that May 1, 1956, was the last disabling injury in the division. Had the entire plant been able to maintain such a good record, world records would have surely fallen!

Don't Shake That Family Tree Too Hard!

Tracing ancestry in America is often hampered by the high divorce rate and illegitimacy rates. Also many citizens are themselves immigrants. In fact, all citizens are either immigrants or descendants from immigrants.

Space And Welding Use Most Of USA's Helium

Most of the 600,000,000 cubic feet of helium used in the United States annually is utilized by the fuel systems of the space-program missiles or is used as oxygen shielding for industrial arc-welding.

Northwestern's Seth To Hold Physics Seminar

Friday's seminar will feature K. K. Seth, Northwestern University, who will discuss "P-D Scattering and Polarization Measurements Using Gas Mixtures." The Oak Ridge National Laboratory Physics Division seminar is set for Friday, July 12, 3:15 p.m.

The seminar will be held in the East Auditorium of ORNL's 4500 building.

The Bulletin

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NUCLEAR COMPANY
Division of



UNION CARBIDE CORPORATION

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ASTME To Tour Space Facilities Saturday

Huntsville Trip Set By Local Chapter

The Knoxville-Oak Ridge Chapter 107 of the American Society of Tool and Manufacturing Engineers is scheduled to make a tour of the Marshall Space and Flight Center at Huntsville, Alabama, this Saturday, July 13. The tour has been arranged through the Public Information Office of the Flight Center and the Huntsville chapter of the ASTME.

Included in the tour will be the new Space Orientation center where the group will view a film of some of the activities. At this time, a briefing of the space program will be given by a representative from the Information Office. Part of the tour will be a view of the "Saturn Five" booster facility.

Because of the distance from this area to the site of the tour, members and their guests are requested to make individual arrangements for transportation, food and lodging. Huntsville is approximately 230 miles from Knoxville. The tour is scheduled to begin at 1 p.m. Saturday, Central Standard Time, and will end about 4 p.m.

The following directions supercede all previous directions to the assembly location for the beginning of the tour. This will be at the West Lawn Junior High School on Southwest Ninth Avenue, Huntsville. Enter Huntsville via Fayetteville on Highway 231 and 431 or by way of Chattanooga on Highway 72. These converge onto the expressway. Follow expressway 231 to Governor's Drive. Turn right to Jordon Lane. Turn left to Southwest Ninth Avenue to the school. Everyone is urged to be at this assembly point not later than 12:50 CST.

Additional information may be obtained from Mike Shemanski, extension 7-8301, or home phone Oak Ridge 483-0198.

Flag Allegiance First Used At Chicago Fair

The original pledge of allegiance to The Flag was written by Francis Mellamy. It was first used publicly at the dedication of the Chicago World's Fair Grounds 70 years ago.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated
68 Days Or
2,200,000 Man-Hours
(Unofficial Estimate)
Without A Disabling Injury
Through July 7
Phone 7755
For Daily Report
On Accident-Free Hours



With a heavy-weight summer oil installed in the ole typewriter, let's get charging off with some post-Fourth of July news.

Divisions firing salvos begin first with

MECHANICAL OPERATIONS

Production Machining, M-Wing Shop, has vacationers all over the place . . . **W. E. Sizemore** visited Myrtle Beach, South Carolina, with his family . . . **E. H. Prorise Jr.** left on vacation with absolutely no clues . . . **O. L. Duncan** took his family to Nashville . . . **D. T. Melhorn** spent a week working at home.

Other news welcomes in **M. J. Tharpe**, transferring in from Assembly Operations . . . and to **T. H. Cordle, W. R. Harvey, R. C. Johnston Jr., U. P. Parker** and **T. C. Tindell**, from down Beta Two way . . . also to **A. M. Galyon Jr., D. F. Hancock, T. T. Randolph** and **T. B. Rhorer** from the A-2 Shop.

Bob Norton's family, A-2 Shop, wishes to thank friends and co-workers for their kind expressions of sympathy on the death of their son James.

C-Wing and the 9202 Shops have **J. K. Upchurch** and family visiting his folks in Junction City, Kansas and with plans to visit in the Rockies in Colorado in the back of their minds . . . **W. H. Woods** is taking a week off from work at the plant to work for his wife at home a week . . . Welcome to **A. C. Gose** and **E. R. Eastwood Jr.**, who transferred up from Assembly Operations recently.

Best wishes are extended to **Ralph T. Lally** as he leaves for a new assignment in his home town of New Orleans, Louisiana . . . and to **John Metcalf** and **Henry Elmore** as they transfer to Research Services.

"In America, getting on in the world means getting out of the world we have known before." **Ellery Sedgwick.**

FINANCE AND MATERIALS

Microreproduction and Engineering Services offers get well wishes to **Tom Hillard** who is recovering from an emergency appendectomy . . . Vacationers recently included **Clyde Clowers** in and around Harriman home . . . **Andy Inman** in Knoxville . . . and **Don McMurray** who took off for Mammoth Cave, Kentucky . . . Adieus were said July 5 to **Sam Cook.**

Plant Records reports that **Dot Park** and husband **Homer** took a vacation for Nashville and at home in Knoxville . . . Department folks really enjoyed a cook-out at the home of **Evelyn Crouse** last Friday night. More than 35 guests appeared to eat.

Attending the 44th Annual Convention of the Tennessee Federation of Business and Professional Womens Clubs last week in Nashville was **Emma Puckett.** The Oak Ridge Club sponsored one of its members for the State Third Vice Presidency to which office she was elected.

The Mail Department reports **Lula Bell Justice** vacationing at her Oliver Springs home.

Driving with headlights on during a holiday sure gets results. We forgot to turn them off, and had a dead battery!

ENGINEERING

It's vacation time in Tool Engineering with people scattering to various parts of the United States to enjoy a bit of relaxation and fun . . . and others just returning from a share of the same.

This week finds **John Gibson** returning from just lazying around Kingston . . . **Lon McNeil** and his family spent a week relaxing on their houseboat on Norris Lake . . . **Helen Long** took to the wild blue yonder . . . destination Detroit and Ann Arbor. Helen is visiting relatives there

. . . **Holis Stamey** and family camped out at Fort Loudon Lake and roughed it for a week.

John Hale vacationed in Chicago, Indianapolis and other points in the Mid-West . . . **Ross Gossie** and family journeyed to Jekyll Island, Georgia to visit kinfolk . . . **J. L. Waters** vacationed at Virginia Beach recently. At home in Knoxville was **Harry Coppock** . . . **T. R. Chilcoat** spent a week in Daytona enjoying the sunshine . . . while Tennessee basked in rain . . . **Jerry Foster** vacationed in the nation's capital.

Just lazying around home in Oak Ridge was **Fred Jeffers** . . . **Bob Rose, Jack Anderson** and the respective families vacationed in Florida . . . **Betty Rose** found her way to Toronto, Canada.

Another vacationer back from a week of just relaxaing is **Ben Trent** who spent all days in Oak Ridge . . . **W. O. Collette** is vacationing at home also . . . but not relaxing . . . Wayne is trying to get his new home ready for occupancy.

H. E. Neeley and family took to the roads for Daytona . . . **E. E. Robbins** and **Ted Sizoo** vacationed at home.

Many Tool Engineering employees are looking forward to the Redstone Missile Facility tour set for Saturday (see story elsewhere.) These include **B. D. Chambers, S. F. Ferguson, Vic Allen, L. W. McNeil, C. P. Chibasz, J. E. Bennett, C. P. Tudor, R. V. Miskell** and **P. F. Boyer.** Some will be accompanied by their wives and other members of the families. (Boys, don't get into anything. That old saying about what goes up must come down just isn't true any more!)

Early to bed and early to rise . . . and all the fun's had by the other guys!

SHIFT SUPERINTENDENTS AND UTILITIES

Utilities tells that **D. Stevens** will spend one week in North Carolina and one week fishing in Tennessee while on his vacation.

J. D. Tolliver will be visiting his father during his upcoming two-week vacation.

The PSS Office has **H. N. Benninghoff** and his family camping out, fishing, over on the wild Cape Hatteras area. Pretty country, too.

If you don't have a leg to stand on . . . don't try kicking.

ACCOUNTING AND BUDGET

Welcome in to **H. A. Reed** from Process Analysis.

R. D. Dunn and **Al McConkey** are vacationing with their families at Cumberland State Park, Crossville. Jerry knows all the words to "I've Got a Little Light!"

Ted Hart and family are "going to spin the bottle" and where the direction leads whether it be north or south, they are headed for a fine vacation.

Let's spin the little wheels toward Knox!

Stable Isotopes Are In Constant Demand

The stable isotopes offered by Oak Ridge National Laboratory are in such demand that 30 calutrons are kept in almost continuous operation to meet the demand. A possible application of the stable isotope is marking products to establish identity and determine counterfeiting. Valuable papers, bonds, currency, and the like can be tagged with trace amounts of an isotope. Since they are stable, there is no radioactive hazard.



HAPPY WINNERS IN THE NRA's Fourth District is the above Y-12 team of Rifleman, who took District Four honors in the postal matches this year. From left are Bert Searles, Dave DeWalt, Art Hensley, and Bob Powers. DeWalt, himself, placed 16th in national honors on an individual basis.

Y-12 Riflemen Take Honors, In National Rifle Matches

Several Y-12ers placed high in the National Rifle Association's annual postal rifle matches this year.

Dave DeWalt placed 16th in the 230 rifleman reporting on a nation-wide basis. Bob Powers registered 62nd; Art Hensley came in 66th; Bert Searles was 91st; Gerald Holcombe was 93rd; H. D. Whitehead placed 129th;

Jack Brown won post number 165; and Bill Sims was 211th.

The Y-12 team, consisting of DeWalt, Hensley, Searles and Powers took top honors in Region Four, defeating the Oak Ridge National Laboratory team 726 to 723.

The NRA recently mailed a handsome trophy to the Y-12 team for their winning of Region Four honors.

Errors Sometimes Pay Big Dividends

Some folks gain from error. Take the United States Treasury Department, for instance. A recent error in printing some 10,000 one-dollar bills which contained mismatched serial numbers accounted for these bills going into circulation.

Because of such an error, the bills are now worth considerably more than a dollar. Also, take the case of the counterfeiter who printed a five-dollar bill with a clean-shaven Lincoln showing. His money was worth considerably more than face value. It got him 20 years!

UCC Scientists Working On Blood Preservatives

One of the many important research programs on which Union Carbide scientists are currently working is the development of methods and equipment for preserving whole blood, so that all types will always be available in sufficient quantities to meet a catastrophe. To provide a condition in which no chemical or physical changes in the blood will take place, the low temperature of liquid nitrogen is necessary (about 320 degrees below zero.)

How Other UCC Men Spent Money

Carbide employees are pretty much the same all over, it seems. Six Union Carbide employees were polled at the Texas City plant last week on the manner in which they planned to spend their Savings Plan Checks.

One employee reported he had drawn his check early (UCC offered Carla victims the opportunity to draw their Savings Plan in advance to get from under the hurricane damages there). Another employee planned to put his check in the Credit Union . . . while another planned to reduce mortgage payments. An instrument repairman reported Texas A & M was getting the bulk of his on his son's education. A machinist reported he was participating in the Personal Savings Fund and was getting Union Carbide stock . . . while the sixth employee reported he was applying his check to accumulated bills.

With the possible exception of employees whose homes was destroyed by the hurricane Carla, these employees could have been transplanted into Y-12 without anyone being the wiser.

Effective security requires the active participation of each employee.



THE STATELY VIENNA OPERA HOUSE (or a photo of it) was mailed recently to the Bulletin office from that "vulture for culture," T. A. Williams, Cashier and Travel. T. A. was on the last leg of his wonderful tour of the Aegean Sea area, where he visited the islands of Greece, Turkey, etc. Of course, T. A. didn't say he went to the opera, he just said he saw the opera house, reported to be one of Europe's grandest structures.

Lowly Bunt Boys Upset Mets In Slo Pitch; Rebs Still Lead

Rains hindered the closing out of the first half of league play with the Slo Pitchers last week, as more games were put back because of pitter-patter. A few did get in, however, as make-up games, previously unreported, got on record.

Friday, June 28, saw two games made-up . . . as Y-12's Eagles clobbered their fellow-plantsmen the B Shift team to the tune of 14 to 5. The Eagles had big bats in Dykes, Pryor and Pridgeon, all taking a homer apiece. Thompson, Watts, Evans, Pryor and Pridgeon all earned a double each. Levline had a homer and a triple for the lone big hits for the losing B Shifters.

Team	R	H	E
Eagles	14	18	1
B Shift	5	12	0

Bunt Boys Beat Mets

The big news of the week was the surprising upset, and a close one, too, as the Y-12 Bunt Boys edged out ORGDP's Mets 3 to 1. Hits were about evenly distributed, with neither team taking a real long one. Underdown and Perry did double for the winning team, and Horton had a long triple. Copper tripled for the losers and Cates hit a double.

Team	R	H	E
Bunt Boys	3	7	2
Mets	1	6	1

Batteries: Bunt Boys: Miller and Perry. Mets: Iacovino and Keith. Monday's action began rapidly as the Slipsticks fell to the ORGDP Data Processing team, 10 to 16. Nier had a long homer for the winners, Owens tripled and Coultier had a good double. For the losing team Lawrence and Delcour had triples, accounting for the only multiple-based hits of the 15 they earned.

Team	R	H	E
Data Processing	16	17	3
Slipsticks	10	15	8

E Wingers Win Big

The Bunt Boys, fresh from their Friday win, came back Monday to lose to Y-12's E Wingers, and lose big. The Wingers took this one 26 to 3. Forrester, E. Size, Hyatt, Cavosie, and Dean all had long homers for the winning combination . . . Forrester and Dean had a triple each, E. Size had two. Overton, B. Sise and West had a double and Hyatt had two. Holt had a double for the Bunt Boys.

Team	R	H	E
E Wingers	26	26	5
Bunt Boys	3	7	7

Batteries: E Wingers: E. Sise and Hyatt. Bunt Boys: Miller and Perry. Monday's final game saw the ORGDP Mets take Y-12's Big Shop 21 to 5, as catcher Keith, Clark had a homer and Henderson knocked two. Iacovino had two triples, Slattery and Keith one each. For the Big Shop, it was Peters with a big homer.

Team	R	H	E
Mets	21	22	1
Big Shop	5	11	9

Batteries: Mets: Iacovino and Keith. Big Shop: Clabough and Law.

Tuesday's games went the way of so many in the season, as the rains fell in the afternoon, making water wings the uniform of the day.

Four make-up games did get recorded on the Eve of the Fourth.

Forfeits Mar Play

First off, on the docket, the B Shift team forfeited to the Peons . . . making an automatic 7 to 0 score.

Enough of the B Shift team arrived, however, to take a forfeit themselves from ORGDP's Data Process, 7 to 0. (Turn about's fair play, isn't it?)

Two Y-12 teams collided for the first action of the night, as the Cherokees took the Bunt Boys 14 to 10. Watkins earned two homers for the winners. Stair, Jenkins, Parker and Spradlin all had a double. Farris tripled and doubled for the losers; Rickman had a double.

Team	R	H	E
Cherokees	14	4	6
Bunt Boys	10	12	4

Batteries: Cherokees: Watkins and Laurendine. Bunt Boys: Miller and Perry.

Mets Win Again!

A close one ended the week's play as Y-12's Eagles fell to the ORGDP Mets . . . 11 to 16. Inklebarger and Thompson had four-baggers for the losers . . . Richards had a double. Whittsley earned a triple for the winners; Cooper and Iacovino had a double each.

Team	R	H	E
Mets	16	13	4
Eagles	11	11	3

Batteries: Mets: Iacovino and Witt. Eagles: Cadden and Bell.

More games were set for Friday, July 5, and will be drawn up this week in standings as the last of the first half of the schedule is a-dying.

League standings follow:

Team	W	L
Rebs	7	1
Mets (ORGDP)	8	2
E Wingers	7	2
Peons	7	3
Eagles	7	4
Tabbs	6	5
Big Shop	5	7
Cherokees	3	6
Data Processing (ORGDP)	3	7
Slipsticks	3	8
B Shift	2	8
Bunt Boys	1	8

Tri-Cities Bowlers To Get New Alley

Y-12ers who are living in Harri-man, Rockwood and Kingston may be interested in bowling this fall at the new Tri-Cities Lanes now being built in Midtown. The 12-lane alley will be completed by August 1.

A preliminary organizational meet will be held at the Lanes tomorrow, Thursday, July 11 at 7:30 p.m. Both men and women bowlers are invited to attend. More information may be had by calling J. A. Watts, extension 7680.

More Than \$1 Million Donated By Commission

The Atomic Energy Commission's Oak Ridge Operations donated \$1,055,022 in surplus property to the State of Tennessee during the fiscal year ending June 30, it has been announced.

An additional \$113,575 worth of surplus was transferred to 14 other states, bringing to \$1,168,597 the total value of surplus donations by ORO during the 12-month period.

The property is donated for use in educational programs, and the states themselves determine how the surplus will be allocated among the various educational activities.



THE POWERFUL PEONS, now in fourth place in league standings among Slo Pitchers, are seen full-strong on a recent night of battle. On the front row, from left, are Manager Roy Roberts, Ernie Collins, Bob Roe, Bill Grubb, K. E. Thomas, Elmer Johnson, K. E. Davis, and Glen Bates. In the back row are Bill Moschler, Sewell Brown, Mac Wright, Bill Helton, Bob Rutherford, Bill Wright, J. E. Cheek and assistant manager Harry Keen. The bat boys are unidentified. Manager Roy Roberts lay a-ailing last week and the Peons went out "to win for Roy."

Three Tennis Matches Start Summer League

Three tennis matches are reported in recently, in Y-12's summer Tennis League. Campbell King took three points from Roy Huddleston 6-1, 6-2, 6-3. Dick Huber also took the full count from R. Williams 6-4, 6-2, 6-3. Bob Bass defeated Bill Harper 6-2, 7-5, 6-4.

No matches were reported among Ralph Levy, Al Fischer, Mike Laggis or John Pridgeon.

Standings follow:

Player	W	L
Campbell King	3	0
R. A. Huber	3	0
Bob Bass	2	1
Ralph Levy	0	1
Al Fischer	0	0
Mike Laggis	0	0
John Pridgeon	0	0
Roy Huddleston	0	2
W. L. Harper	1	3
R. Williams	0	3

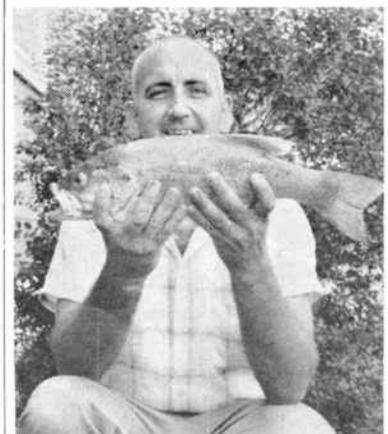
Whites Lead First Archery Firings

New "slings and arrow" in the Carbide Archery League opened the second half of league play. The White team came in first in scratch and handicap firings.

Bill Bardill, White team, posted 236 scratch and 291.008 handicap tallies. The White team totaled 451 scratch and 577.861 handicap.

League standings follow:

Team	H'cap Pts.
White	5
Black	4
Red	3
Blue	2
Gold	1



A WHOPPER OF a smallmouth bass was turned in recently to compete in the Annual Fishing Rodeo in Y-12 by M. L. Crawford, Machine Maintenance. Crawford took this beauty on Watts Bar with a live minnow for a lure. It's weight and size cannot be revealed until the close of the contest and the end of 1963.

Deadlock Results In Teeny Golf Set

G. Cantrell-Brown And Collins-Stinnett Tied

Y-12's Par Tee miniature golf league tightened up again last week as the G. Cantrell-Brown, Collins-Stinnett teams locked in deadly combat for first place. The G. Cantrell-Brown team picked up two and one-half points from the Beckett-Rutherford combination, who had occupied the prized first slot. Only one stroke decided the total strokes in the match! Beckett aced holes four and eight; Rutherford four; while Brown lambstbed bull's-eyes on four, five and 16.

Collins-Stinnett picked up three points from the Stansell-Newby pair. (Kennedy subbing for Stinnett). The male team won the total strokes by 16 strokes.

The R. Cantrell-Young team picked up three from the Akers-Sinclair championship duet, winning total strokes by eight. Akers aced hole four; Sinclair got nine and 14; Cantrell took holes number four, seven and 18; Young took hole 18.

The Boswell-Isham team picked up their first clean sweep of the league by taking Cothron-Parker (Mary A. Truett subbing for Jeanne Cothron). Jo Ann Isham had a bull's-eye on hole four, as did Virginia Boswell, who also took number five.

League standings follow:

Team	W	L
G. Cantrell-Brown	13½	4½
Collins-Stinnett	13½	4½
Beckett-Rutherford	12½	5½
R. Cantrell-Young	11½	6½
Sinclair-Akers	10	8
Newby-Stansell	4	14
Parker-Cothron	3½	14½
Boswell-Isham	3½	14½

Winstead-Collins Lead Putt-Putters

The Winstead-Collins team moved into a one point lead in the Y-12 Putt-Putt League last week by their three point win over Stinnett-Roberts. Avis Collins and Frank Winstead aced hole number one to start the match off in fine style.

The Myers-Boyd combo took three from Williams et fils . . . as Boyd scored a bull's-eye on hole number 14.

League standings follow:

Team	W	L
Winstead-Collins	5	1
Myers-Boyd	4	2
Stinnett-Roberts	2	4
Williams-Williams	1	5

Niota Golfers Get Tee-Offs Next Tuesday

Y-12 golfers are going out-of-town again for their July tournament . . . this time to Niota on Highway 11, south of Sweetwater. The 72-par course at Niota carries a \$3 green fee for the Saturday, July 20 tournament.

Tee-off times will be assigned in Room 149, Building 9704-2, next Tuesday, July 16, firing off at 7:30 a.m. Only one man per foursome need show up to register for times.

Last year 108 Y-12 golfers played the course for the first time.

Directions to Niota are simple enough . . . just follow Highway 11 through Lenoir City, Sweetwater. The Springbrook Country Club at Niota is clearly marked from the highway, and you can't miss it.

Tee-off times will go on the usual first-come, first-served basis, so you'd better get there early to reserve that preferred time!

Union Carbide Moves Ores Long Distances

The ore companies affiliated with Union Carbide Corporation are engaged primarily in mining and processing ores containing manganese, chromium and columbium. Union Carbide moves over one million tons of ores a year from mines halfway around the world to obtain vitally needed alloying metals.

Union Carbide has also been mining and milling uranium-bearing ores on the Colorado Plateau for more than 30 years.



WORMS TOOK THIS big largemouth bass for J. P. Grubb, Beta Two. Watts Bar produced the strong entry in the Annual Fishing Rodeo. Grubb was near Ten Mile when he took this lunger.



LOOK WHAT A spring lizard can get you on Watts Bar, off the shores of Eagle Lodge! Clay Smith, Physical Testing, hefts this mighty largemouth bass. (The reason this bass bears his famous name is quite obvious in the above photo.)

BULK RATE
U. S. Postage
PAID
 Oak Ridge, Tenn.
 Permit No. 71

UNION CARBIDE
NUCLEAR COMPANY
 Division of
Union Carbide Corporation
 Post Office Box Y
 Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED, RETURN TO SENDER IMMEDIATELY.



Seven more feathers for seven more Y-12ers' caps! This lucky number reaches the magic circle of 20-year veterans this week and next. Congratulations to other Y-12ers celebrating important milestones with Union Carbide.

- 20 YEARS**
- Charles H. Nicely, Guard Department, July 10.
 - Mildred C. Mangrum, Product Processing, July 10.
 - George A. May, Product Quality Acceptance, July 12.
 - Lula B. Justice, Mail Department, July 12.
 - Clyde P. McLemore, General Machine Shop, July 12.
 - Albert V. Bible, Receiving Department, July 12.
 - Esther M. Moody, Project Engineering, July 16.
- 15 YEARS**
- Fred C. Hancock, Chemical Department, July 11.
 - Harold W. Babb, Production Control, July 12.
 - Fred M. Henry, Building, Grounds and Maintenance Shops, July 13.
 - Hurst Y. Voiles, Process Maintenance, July 14.
- 10 YEARS**
- William B. Daugherty, Process Maintenance, July 11.
 - Annamae J. Kobisk, Special Projects, July 13.
 - Robert L. Wolfenbarger, Process Maintenance, July 13.
 - Thomas N. Breazeale, Research Services, July 13.
 - Hugh M. Jeffreys, Process Maintenance, July 13.
 - William Blankenship Jr., Process Maintenance, July 13.
 - Donald R. Vanover, Product Processing, July 13.
 - Harold B. Milhorn, Electrical Department, July 13.
 - Theodore A. Hart, Accounting and Budget, July 13.
 - Otha T. Dunlap, Area Five Maintenance, July 14.
 - Homer H. Terry, Research Services, July 14.
 - Charlie S. Ivy, Dispatching, July 14.
 - Claude W. Whirry, Research Services, July 15.
 - Bobbie O. Griffin, Product Processing, July 16.
 - Joseph J. Cavosie, Research Services, July 16.

Profitless Company Is 'Sick Cat' For Owners

"A company without profits is a poor provider for its employees, a non-contributor to the public treasury, a cold prospect for a fund-raiser, a doubtful supplier for its customers, and a very sick cat for its owners..." Henry C. Alexander, Chairman of the Board, Morgan Guaranty Trust Company.

BUILT-IN AIR CONDITIONING

If you are normal, you have about 17 square feet of skin weighing in the neighborhood of five pounds. The vast collection of the body's largest organ is air cooled by more than 2,000,000 tiny sweat glands.

ZIP Numbers Assigned By Postal Officials

New System Designed To Expedite Delivery

Most residents in this area have received their new "ZIP" numbers in the mail. The Zone Improvement Program (or ZIP) went into effect July 1, and extends the present postal zone system to a five-digit code. The first digit identifies a geographical area; the second and third digits identify a major city or sectional center within the geographical area; the fourth and fifth digits identify the post office or other delivery unit. Both private and government mailers are requested by the local Post Office to cooperate fully with the program which is designed to improve mail delivery time.

The ZIP code number for Y-12 is as follows:
 Union Carbide Nuclear Co.
 P.O. Box Y
 Oak Ridge, Tenn. 37831

Future orders of stationery and forms will include the Zip number. Y-12ers using the outside mails should type or otherwise write the number on all correspondence.

The Post Office department is requesting cooperation also from individuals and their personal mailings. Magazine subscriptions, orders, personal correspondence, etc., all should show the new number.

Postal authorities emphasize the expediency of using the number in all correspondence, including parcel post.

Akin Rites Held In Oak Ridge

Project Engineering was saddened last week by the death of Mr. Hugh F. Akin, who died at his Oak Ridge home Saturday, June 29.

Mr. Akin, a native of Greenfield, Tennessee, had previously been with the State Highway Department, the Tennessee Valley Authority, and Tennessee Eastman Company before coming to Y-12 June 17, 1947. He was an alumnus of the University of Missouri.

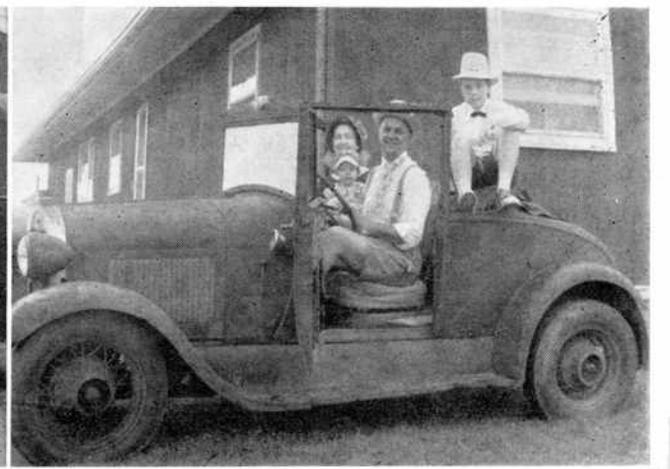
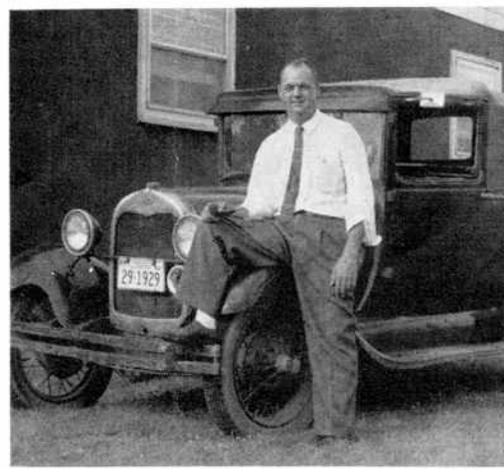
Surviving are his wife, Mrs. May Fry Akin, 308 East Faunce Lane and one son James T. Akin; three brothers, W. E., J. A. and J. T. Akin, all of Greenfield; four sisters, Mrs. Iva Corum, Mrs. Ruth Grooms, of Greenfield; Mrs. Mary Norwood, Huntington; and Mrs. Ruby Brooks, Milan.

Funeral services were held Sunday, June 30 at the Martin Funeral Home with the Reverend Gordon Ricketts officiating. Interment followed in the Anderson Memorial Gardens.

Sincere sympathy is extended Mr. Akin's family.



H. F. Akin



TWO PRIZED SPECIMENS in the Ford collection are these Model A's. At right is the famous "29" given to George K. Ford on his 29th birthday. The car was made the year he was born, and bears the license number 29-1929. At right is the Model A Ford driven across the Smokies recently to win a plaque at Cherokee for the "worst car" there.

Grady Smith, George Ford Enthusiastic Model A Fans; To Appear In Hillbilly Homecoming Parade

When does an antique stop being an antique? Well, a car, so says the state of Tennessee, may wear an antique license plate only when it is driven to and from parades and shows. If it is used to commute to work in or shopping or what have you, then regular licenses are attached.

Two Y-12ers can answer most of your questions about vintage cars... George K. Ford (a likely name for a car collector!), Processing Engineering; and Grady W. Smith, Building, Grounds and Maintenance Shops.

Both Y-12ers are active in the Smoky Mountain Region of the Model A Restorers Club. The family-type club meets monthly to exchange parts and gossip, and car talk. (Even the women-folk get to the point where they can discuss generators, carburetors, etc.)

Across The Smokies!

Last month the club drove to Cherokee, North Carolina for a conclave. A total of 45 A models, carrying 150 people, made the convention... many of which crossed the 5,000 feet-plus Newfound Gap Road over the Smokies!

Both Ford and Smith made the trip in fine fettle. Ford says the only trouble he had was "gunk in the gas tank." Since the gas in the ancient cars was fed by gravity, it would seem normal to have difficulty crossing the mountain.

Smith's A Model is a family type or a "town and country" sedan... much better than the three owned by Ford, or so says Ford. "My car took a plaque for the roughest car at the Cherokee meet," Ford relates. His family also walked away with honors for their dress. He wears what he calls "Bermuda-alls," over shorts made from over-all pants with vintage-type suspenders.

Ford A Vice Director

There are 49 enthusiastic members in the A Model Club which meets in Knoxville. Ford has served as a vice director of the group for the past three years.

An outstanding feature will be forthcoming in the Hillbilly Homecoming in Maryville, slated for the week-end of July 13. The big parade will contain approximately 200 antique cars, among which will be the Smiths and Fords, driving with all the pride of a new car owner.

Winter starting? There's nothing to it, relates Ford. During the cruel onslaught of the 1962-63 winter, the old A Model failed on only two mornings. (Many 1962 models can not compete with that record!)

Interesting Coincidence

One of Ford's Model A's (George K., not Henry) holds a particular place in his heart. It was presented to him on his 29th birthday as a gift from his father. The car is a 1929 model... the year George K. was born. The license plate bears the legend 29-1929. "I have spent less than \$25 in maintenance parts since I owned the little car," Ford tells, "only three flat tires spoiled the car's record."

Ford's family... his wife Dorothy, son Phillip Jeffrey and daughter Kellye Denise... are just as big Ford fans as Ford himself... They live at Route 17, Knoxville, in the Karns community. "I had to get Anderson County plates," he stated,



THE SMITHS (GRADY, NORMA JEAN AND LOIS) present a charming picture from the past posing before their "town and country" Model A sedan. Smith is in Y-12's Building, Grounds and Maintenance Shops.

"couldn't resist that 29 prefix you know."

Another Historic Model

George is coming into ownership of another model that old-time Y-12ers will remember with relish. He recently purchased a 1929 B Model from Joe Williams which was formerly owned by F. C. Uffelmann. This B Model was for years a fixed attraction in East Portal's parking lot.

The Smiths, just as enthusiastic as the Fords, consist of Grady, Lois... and daughter Norma Jean... They dress up in old "flapper-type" clothes and enjoy the conviviality of the car owners. They live in Lenoir City, and readily agree: "The Smiths are Model A... all the way!"



STARTING YOUNG, little Kellye Ford takes to an A Model just like her old man. Here she enjoys a ride with Papa George K. Ford, Process Engineering.



Will join car pool or form car pool from Fountain City to any portal, straight day. Jack Thurman, plant phone 7-8881, home phone Knoxville 687-3908.

Three riders wanted from Harriman to North, Central, West or Bear Creek Portals, straight day. R. W. Curtis, plant phone 7-8465, home phone Harriman 882-2949.

Ride wanted from 116 Viking Road, near Downtown, to East Portal, straight day. Sarah Coram, plant phone 7033, home phone Oak Ridge 483-7534.

Will join car pool from 1912 East Vine Avenue, Knoxville, to Central Portal, H & J Shifts (7 a.m.-3 p.m.) 3 p.m.-11 p.m.). Rose Spears, plant phone 7408, home phone Knoxville 523-7055.

New 'Nuclear Reactions' Film Available At AEC

A new film of a lecture demonstration series by an Oak Ridge scientist is now available for loan from the Atomic Energy Commission's film library.

The 30-minute film, "Nuclear Reactions," is sixth in a series of lecture films by Dr. Ralph T. Overman, Chairman of the Special Training Division of the Oak Ridge Institute of Nuclear Studies. "Nuclear Reactions" is designed for inclusion in a high school senior-level chemistry or physics course, or could be used as an introductory unit in nuclear science at the college level. The entire series, "Understanding the Atom," was produced by the Education Broadcasting Corporation under the AEC. The series is cleared for use on television.

The film, along with others, may be borrowed without charge by contacting Motion Picture Film Library, U. S. Atomic Energy Commission, P. O. Box E, Oak Ridge, Tennessee.