

Vehicle Evacuation Routes Are Changed

Motor vehicle emergency evacuation routes from the Y-12 parking lots have been changed in a recent revision of the emergency planning.

The change is as follows:

Vehicles from all Y-12 portals will evacuate in a westerly direction via Bear Creek Road to White Wing Crossroad.

(a) If the beginning of Y-12 traffic reaches White Wing Crossroad prior to completion of the Oak Ridge National Laboratory evacuation traffic, the Y-12 traffic will turn right on White Wing Road and leave the area via Blair Gate to Highway 61, thence to Rockwood and west on Highway 70 to the assembly area at Crossville.

(b) Upon completion of the ORNL evacuation traffic, all Y-12 vehicles will proceed west via Gallaher Gate to Highway 70, thence to Rockwood to the assembly point at Crossville.

There will be an official map published in The Y-12 Bulletin at a later date which will show the revised evacuation routes.

The evacuation signal in Y-12 is a series of one-half second blasts on the emergency horn, one-half second apart, to continue for three minutes. Announcements also are to be made over public address systems.

In case of an alarm, it is particularly important for Y-12ers not to attempt to immediately reach members of their families. Oak Ridge and Knoxville both have their own evacuation plans and routes arranged. Barricades will be erected, therefore all Y-12 employees must follow the prescribed evacuation routes.

It is stressed that coolness and common sense are prime requisites for the success of the evacuation plan. Let's hope the alarm never comes—but if it does—let's be ready.

UC Development Company Appoints New Vice-President

T. J. Coleman has been appointed Vice-President of Union Carbide Development Company, Division of Union Carbide Corporation, it was announced recently by R. E. Cornwell, President of this Division.

Mr. Coleman joined Union Carbide in 1934 as a Cadet Engineer for the Linde Company, a Division of the Corporation, in Buffalo, New York. He held various positions with Linde, becoming General Manager of the Silicones Department, in New York, in 1953. In 1956 he was appointed General Manager of the newly-formed Silicones Division of the Corporation. He became Associate Technical Director of Union Carbide Development in 1956.

Mr. Coleman was born in Portland, Oregon. He received the degree of Bachelor of Science in Chemical Engineering from Oregon State College in 1933, and the degree of Master of Science from Massachusetts Institute of Technology in 1934.

BITE PUT ON POLICE

Recent reports from the Dallas, Tex., police force reveal that during last year 12 officers had been bitten. Of this number three had the bite put on them by dogs, while nine were bitten by people.



THE Y-12 SAFETY DEPARTMENT distributed safety awards to 5,757 Union Carbide Nuclear Company employees last week for their participation in the 18th and 19th Union Carbide Safety Periods. Employees



received a total of 11,514 articles. Deliveries were made at all five Y-12 Portals.

Four Y-12ers Given Promotions On July 1

F & M, Alloy, Technical Announce Elevations

Four promotions for Y-12ers to supervisory positions, effective July 1 were announced recently.

In the Finance and Materials Division, Norman D. Kennedy, of the Production Inspection Department was elevated from P. F. Shop Inspector to Assistant Craft Foreman. He has been a Y-12er since October 10, 1953. Roy E. Worley, also of the Production Inspection Department was promoted from the rank of P. F. Shop Inspector to Assistant Craft Foreman. Worley has been employed in Y-12 since February 8, 1954.

In the Alloy Division, John F. Pyatt, a chemical operator in the Alpha Four Cascade Operations, was advanced to Assistant Process Foreman. Pyatt has been a Y-12er since August 24, 1953.

In the Technical Division, Thomas P. Hamrick, of the Special Testing Department, was elevated from the rank of Junior Chemist to Assistant Laboratory Supervisor. He has been employed in Y-12 since November 3, 1954.

Physics Seminar Scheduled For This Friday, July 19

T. H. Blewitt, of the Oak Ridge National Laboratory, is to be the speaker at the next physics seminar which is scheduled for this Friday, July 19, at 4 p.m., in Room 18 at the Oak Ridge Institute of Nuclear Studies Training Building.

The subject of the meeting will be "Recent Load Temperature Studies In Radiation Damage."

CAFETERIA SPECIAL LUNCHES OFFER TASTY SELECTIONS

The entrees on the 50-cent Special Lunches at the Y-12 Cafeteria for tomorrow, Thursday, July 18, and next Tuesday, July 23, will feature tasty dishes. Each lunch includes a vegetable, choice of salad or dessert and rolls and butter.

The specials follow:
Thursday, July 18—Baked beans with Canadian bacon.
Tuesday, July 23—Smoked beef tongue with raisin sauce.



J. F. Pyatt



R. E. Worley



T. P. Hamrick



N. D. Kennedy

Union Carbide, Edison Announce Venture

The formation of a new Italian company named Celene, S.P.A. was announced recently by Morse G. Dial, president of Union Carbide Corporation. The new organization, which is jointly owned by Union Carbide Corporation and Societa Edison of Milan, will manufacture and market high-pressure polyethylene in Italy. Plans call for supplying initially 24 million pounds of polyethylene annually to the Italian plastics industry. Ownership of the new company is shared equally by the two principals.

Union Carbide, one of the world's largest plastics producers, presently manufactures and markets throughout the world polyethylene, polystyrene, vinyl, phenolic, and polyester resins. Its diversified production activities also cover a wide variety of industrial products, including alloys, carbon and graphite, chemicals, and industrial gases. Its consumer products include the well-known Prestone anti-freeze and Eveready flashlights and batteries. Union Carbide is also engaged in various phases of nuclear energy, a field that holds great potentialities.

The Edison group is well known as one of the most important industrial organizations in Italy. The largest producer of electric power in that country, Edison also holds a prominent position in the chemicals field. Among the chemical products manufactured are chlorine and acetylene, fertilizers, calcium carbide, resins and polymers. Equally important are its activities in the electronic and metallurgical products field.

Proper Beneficiary Important To Declare

Protection Of Right Person Vital To Y-12ers

Who is your beneficiary?

Here indeed is an important question for all Y-12ers. If your Group Life insurance does not protect the right person, you could be defeating the main purpose for which the insurance is designed... providing necessary funds during that difficult period of readjustment should the unexpected happen to you.

As a Group Life-insured employee Y-12ers enjoy the privilege of naming a beneficiary of their own choosing in the insurance certificate. This could be one or more individuals — relatives, non-relatives—or the employees' estate.

These hints may be helpful if you should nominate more than one beneficiary:

1. You could designate, "In equal shares, or to the survivors in equal shares, or all to the survivor," or

2. You could designate fractions for each, never amounts of dollars.

Generally, it is not recommended that beneficiaries outside the United States and Canada be designated because of the difficulty of obtaining proper proof of identification, also because rules and regulations of the foreign country may delay prompt payment of death claims.

Right Time To Check

Come to think of it, this might be the right time to check over the name of the beneficiary shown in the certificate. If that person has since changed his or her name, or died; if you have married since you selected that beneficiary or if you are about to be married, why not bring your certificate up to date?

Remember, the right to change the beneficiary—at any time—is yours. Simply communicate with the Y-12 Insurance Office, plant phone 7382 for necessary information and forms.

When completing a beneficiary designation form make certain that the name indicated is legible. This will facilitate payment by the Metropolitan Life Insurance Company.

There's no guess work about Group Life insurance—upon the death of an insured employee it promises a certain sum of money, and that amount is paid. It is up to you, however, to decide the person to whom you wish that money paid.

Safety Awards Are Distributed

The Y-12 Safety Department went back into the "country store" business last week as they passed out 11,514 safety awards to 5,757 Union Carbide Nuclear Company employees. The awards went to employees who participated in the 18th and 19th Union Carbide Safety Periods.

Deliveries were made at all five plant portals last Tuesday, July 9 and Wednesday, July 10 but employees who did not pick up their awards on those days may obtain them at the Safety Department, Bldg. 9704-2. However, they must be taken away within 30 days after the last portal delivery.

There were 15 different items on the award list—the one-quart thermos jug for soups and other heavy liquids led the popularity list with 2,081 being chosen. Other articles selected were coffee brewmaster 1,706, alarm clock 1,127, pruning shears 926, cookie and pastry cutting set 895, Kleen-master window cleaner 701, shoe shine kit 687, minnow bucket 701, Zippo cigarette lighter 685, stadium cushion 575, film and slide file 467, child's automobile seat 287, salt and pepper shaker set 232, fish scales and ruler 226 and carving board 215.

TRAFFIC ACCIDENTS COSTLY

During 1956 a record number of 45,000 life insurance death claims were paid as a result of motor vehicle accidents, an increase of 3,000 over the previous year.

WOOD PREFERRED ON FARMS

A total of 95 per cent of the 7,000,000 farm buildings in the United States are built of wood, a recent survey reveals.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 32 Days Or 932,180 Man Hours (Unofficial Estimate) Without A Disabling Injury Through July 14 Phone 7755 For Daily Report On Accident-Free Hours

The Bulletin

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Evan Means Heads Outdoor Writers

Evan Means, of the Y-12 Research Services Department and a former columnist for The Bulletin with his "Hole Truth" writings on fishing, has been elected president of the Tennessee Outdoor Writers Association. He now is outdoor columnist for



The Oak Ridger. Means succeeds Bob Steber, of the Nashville Tennessean, who has held the presidency of the association since 1951. Steber remains as a member of the board of directors. The vice president for East Tennessee chosen at the association meeting at the Cumberland State Park at Crossville was Tom Gentry, of the Scott County News.



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

T. H. Coulter and F. A. Wells, Product Processing; Virginia Scarbrough, Medical; C. E. Hudson, Process Maintenance; O. M. Pope, Laundry; Hubert Myers, Buildings and Grounds; G. J. Angele, General Utilities; E. G. Lassater, Research Services; J. F. Trent, D Mechanical Operations; J. H. Oldham, A Mechanical Operations, and J. J. Winslett, Mechanical Operations Division.

Picnic Scheduled For A Shifters

A Shift has set another picnic for tomorrow, Thursday, July 18, at Big Ridge State Park. Activities will begin at 10 a.m. and will continue until late in the afternoon. Each family is to bring their own lunch. There will be free soft drinks for everyone.

PERSONAL INCOME RISES

The United States personal income was an annual rate of \$325,000,000,000 in 1956. This is an increase of \$19,000,000 over the previous year. In 1939 it was only \$72,900,000,000.



ALLOY

Building 9201-5 sends word that T. J. Wilson is vacationing at home in Oak Ridge . . . W. E. Warren is taking it easy while visiting relatives over in Middle Tennessee . . . P. V. King dropped over to Ridgecrest, N. C. for a stay . . . H. R. Floyd is taking his leisure time at home and at Gatlinburg . . . C. C. Verboom and family are visiting relatives in Cocoa, Fla. . . Other vacationers with destinations unknown are W. E. Thomas, E. Tilley and T. A. Ayles . . . Brad Napier is on military leave with the Marines over in N. C. . . Get well wishes are sent to the mother of Charlie Dinkins, who is in St. Mary's Hospital in Knoxville.

TECHNICAL

Ella Stansell, of Special Projects, and her husband Eddie have been basking in the sun down in Orlando and Daytona Beach, Fla. Jincy Dings, of the Laboratory Department, is vacationing in Virginia . . . Best wishes to Anna Ruth Margrave, who is leaving to join her husband in California . . . Margaret Eager is taking it easy in Clinton.

Production Assay reports that Chlogene Brown is back from Virginia . . . Sammie Mattingly and husband, Bill, visited relatives in Kentucky over the week-end . . . Carolyn Kitchens had lots of company from Georgia recently . . . Wanda Hawn is taking it easy at home while on vacation.

Dow Brown, Special Testing, has took off to Florida.

Aldean Gable, Laboratory Operations, will spend a week in Indianapolis . . . Gene Foster and family are off to Montana for a couple of weeks.

MAINTENANCE

Process Maintenance welcomes back G. W. Manning and W. Dossett after a sick spell . . . Get well wishes go to R. K. Miller and R. A. Mosley . . . J. W. Fox and F. E. Daniel are doing jury duty . . . Vacations and destinations follow: R. E. Seivers and A. L. Austin in Panama City, Fla. . . J. R. Helton in Fla. . . P. J. Johnson on the West Coast to visit friends in Seattle . . . C. W. Shook at home . . . A. L. Rainwater deep sea fishing in Panama City, Fla. and will visit friends enroute . . . C. H. Harrell visiting friends in Minnesota . . . L. Meadows will tour Florida and also visit friends in Orlando . . . R. E. Schofield visiting in Michigan . . . W. K. Ament is in Indiana . . . C. R. Smith at home and water skiing . . . R. D. Baker spent the past week in Chattanooga with a side trip to the swimming pool about every day . . . Vacationers going to unknown places are C. M. Goodlin, B. Harrell, E. E. Boyatt, E. S. McDaniel, J. C. McKinney, H. D. Foster and H. F. Wyrick.

Ken Prater, Research Services, has invited all painters to help him pretty up the house while on vacation . . . F. M. Barnes is at Fort Jackson being a soldier for a couple of weeks . . . C. G. King has just returned from Fort Jackson

. . . Friends of L. R. Bledsoe are happy to know that he is improving in the Oak Ridge Hospital . . . W. R. Jones is at home following an operation recently . . . A rapid recovery is wished for the young son of R. E. Baxter, who is in the hospital . . . D. B. Blackburn and B. W. Beckham are on the ailing list.

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

J. F. May, of the Steam Plant, plans to spend his vacation at Parkville Lake near Cleveland, Tenn. . . R. G. Bailey is taking it easy at home in Tazewell, Va. . . J. L. Hart spent his vacation at Virginia Beach, while H. D. Baker stayed around home and A. H. Norman took off to Florida. G. M. Kirtland, Shift Superintendents, will be vacationing in Washington, D. C. . . O. M. Blackwell is spending his time off around home . . . Ada Hopkins and husband Clyde are spending a two-week vacation in Daytona Beach. R. P. Mann, of Utilities, and family are in New York for a couple of weeks.

MECHANICAL OPERATIONS

P. A. McGinnis, A Mechanical Operations, and family have returned from a nice tour through Arkansas visiting relatives . . . A. A. Curtis, B. E. Lunsford and H. Cole vacationed recently . . . J. H. Oldham is on the sick list . . . J. C. Kendrick is spending a week at home on vacation catching up on his fishing . . . L. D. Grice was unhappy with his 1949 Renault that let him down on the way home from Knoxville recently . . . Vacationers galore with C. L. Myers going to Cleveland, Ohio to see the Indians and Yankees tangle . . . L. Y. Morrow

tripping to Alabama to visit relatives . . . C. E. Anderson going to Florida to do a little fishing . . . J. A. Lewis to the Smoky Mountains . . . E. F. Litton to Myrtle Beach . . . S. A. Morton heading towards Florida . . . H. D. Brock went to the Smokies . . . J. R. Neal is touring Florida . . . C. C. Shipley to Myrtle Beach while E. Plemons is visiting his sister in Homestead, Fla. . . Get well wishes go to E. A. Burcham.

The General Machine Shop has many vacationers and destinations, so here goes . . . J. C. Daniels in Fla. . . R. L. McIlwain visiting relatives in Waynesboro, Miss. . . J. W. Bridges in California, Yellowstone National Park and Phoenix, Arizona . . . H. T. Clark in Miami Beach and Key West . . . C. E. Graves went to Michigan visiting old friends . . . W. F. Cartwright at home in Maryville—perhaps some camping trips to the Smokies . . . W. C. Collins in Atlanta to visit his wife's relatives, his son Jerry has been in Atlanta several weeks and will return with his parents . . . J. M. Butts fishing at Wheeler Dam . . . Tally Livingston going to Burlington, N. C. to play a little golf . . . J. M. Patterson is going to spend some time in Atlanta visiting his sister . . . M. L. Patterson is going to spend some time on the lakes . . . R. V. Hawk is enjoying Virginia Beach and is going on to Baltimore to visit his daughter . . . J. D. Kile has not announced his destination . . . N. C. Abbot is taking off for Richmond . . . L. B. Morrow journeying to Ridgecrest, N. C. to attend the Baptist Assembly . . . G. L. Tate had a fine visit from his daughter, Mrs. Mike McCannon, and her three children from Nashville recently . . . L. C. Watson is going to Memphis to visit his mother . . . W. O. Thompson in Clinton . . . C. R. McGinnis in Daytona and St. Pete, Fla. . . W. L. Lowry is visiting in Chattanooga . . . J. D. Davis is in Moorehead, N. C. deep sea fishing . . . Other vacationers are C. C. Hickey, W. C. Crowe, F. N. Yodzukinas.

Continued on Page 4



JENKINS-NICELY

The marriage of Miss Vivian Joyce Jenkins to John William Nicely, of the Y-12 Alloy Development Department, was solemnized at 7 p.m., Friday, June 14, at the Robertsville Baptist Church in Oak Ridge. The Rev. William C. Summar, pastor of the church, officiated.

The bride was given in marriage by her father, Arlie Jenkins, of Tilford, Ky. During the ceremony nuptial music was given by Mrs. Alice Secrist, vocalist, and Mrs. Earl Henry at the organ. The songs were "Through The Years," "Because," and "For Thee Alone." For her marriage the bride wore a gown of Chantilly lace and tulle over taffeta. The fingertip veil fell from a half cap of lace and seed pearls. The bridal bouquet was an arrangement of pink carnations centered with a white orchid.

Mrs. Earl Breazeale, a sister of the bride, was the matron of honor. She wore an "off the shoulder" pink cotton-satin dress. The dress was ballerina length and was interwoven with silver thread. The bouquet was blue carnations. Flower girls were Jennifer Breazeale, niece of the bride, and Jana Goodrich, niece of the groom, from Harriman. The girls wore white nylon dresses and carried baskets containing pink rose petals. The bridesmaids were Miss Henrietta Jenkins, sister of the bride, from Oak Ridge, and Miss Wahletha Price, from Sevierville. They wore "off the shoulder" blue cotton-satin dresses of ballerina length, and carried bouquets of pink carnations. Each of the attendants wore headbands of pink and baby blue carnations.

Don Ballew, of Harriman, was best man and ushers were Earl Breazeale, of Oak Ridge; Dan Friar, of Oak Ridge; Jerry Nicely, of Oak Ridge; and Brian Rowen, of Knoxville.

Following the ceremony a reception was held in the church dining room. Assisting with the reception included Mrs. Roy Russell, Mrs. Charles Cobb and Mrs. Cecil Russell, all from Maryville; Mrs. James Hensley, of Oak Ridge; Mrs. Arlie Jenkins, of Middlesboro, Ky.; Mrs. Brian Rowen, of Knoxville and Mrs. Goodrich, from Harriman. Mrs. Dan Friar was in charge of the bride's book. Several friends of the couple from Kentucky and East Tennessee attended the wedding.

The bride is the daughter of Mr. and Mrs. Arlie Jenkins, of Tilford, Ky. Parents of the groom are Mr. and Mrs. C. H. Nicely, of Oak Ridge.

The bride was graduated from East Tennessee State College in Johnson City. She has been teaching school in Alcoa for the past two years.

The groom was graduated from Tennessee Polytechnic Institute in Cookeville.

The couple will live in Oak Ridge.

B Shift Announces Another Big Picnic

The B Shift has announced another big picnic and outing for Wednesday, July 24. Each family is to bring a picnic basket and the food is to be spread family style. All B Shifters are to see the bulletin boards for time and place of the shindig.

10 Years Service

Congratulations to the following Y-12 employee who will complete 10 years of Company Service within the next few days:

Charles P. Riner, Process Maintenance, July 21.



A HIGHLY HAZARDOUS traffic situation is being simulated in these pictures by Safety Department drivers—that of passing at an intersection. At top the driver on the left is speeding around the other automobile, which is about to turn to its rights. But—oops—in the bottom picture a truck suddenly has appeared on the scene in front of the passing driver. Because the truck driver had a partially blocked view of the passing car, he was cautious and managed to stop quickly enough to avoid a collision.



CAREFUL Y-12 DRIVERS ALWAYS GIVE PROPER HAND SIGNALS to reveal their intentions while behind the wheel. An arm extended upward from the elbow is the signal for a right turn, as shown in picture at left. In the center the downward extended arm signifies the driver is about to

observe the stop sign in background. At right is the approved signal for a left turn with the arm extended outward and parallel to the ground. Such correct signalling, and compliance and cooperation by other drivers can eliminate many accidents. Safety Department drivers posed the pictures.

Whitewash Wins Mark Ridge Circuit

Whitewash wins took the headlines in the Oak Ridge Golf League last week as three combinations took six-point victories. Bob Orrison and C. E. Harris trimmed Karl Kahley and O. E. Gilcrease, with Bill Ebert subbing for Kahley; Logan Emler and Art Hines shutout Jack McLendon and Gentry Underwood while Jack Thomson and Dick Dehoney tripped George Mitchell and Nelson Tibbatts. Four point wins were turned in by I. G. Speas-L. B. Cabe over Dan Stroud and Arnold Tiller, Charley Peterson and Sewell Brown over John Boyd-George Oliphant and Jim Bartholomew-J. P. Smith over Rudy Pletz-Roy Roberts. The match between the teams of Jay Holzknacht-Paddy Peckman and Harold Ratjen-John Snyder was postponed until a later date.

Low scratch and handicap scorers for the week included Art Hines 37-34, Bob Orrison 42-37, C. E. Harris 42-37, John Thomson 46-33, L. B. Cabe 46-37 and Rudy Pletz 50-37.

League standing follows:

Team	W	L
Orrison-Harris	55	17
Emler-Hines	52	20
Speas-Cabe	48	24
Boyd-Oliphant	41	31
Holzknacht-Peckman	37	29
Stroud-Tiller	39	33
Peterson-Brown	38	34
Mitchel-Tibbatts	35	37
Thomson-Dehoney	34	38
Bartholomew-Smith	31½	40½
Pletz-Roberts	29	43
McLendon-Underwood	26	46
Ratjen-Snyder	20½	45½
Gilcrease-Kahley	12	60

Rides Wanted, Offered

Car pool participants wanted from Woodland Section in Oak Ridge to North Portal, straight day. Floyd Stanek, plant phone 7668, home phone 5-6269, Oak Ridge.

Want to participate in car pool from Zirkle Hills in Kingston to North or Central Portals, straight day. R. L. Ludwig, plant phone 7-2328, home phone FR 6-5333, Kingston.

Ride wanted or will join car pool from Burlington Section in Knoxville to East Portal, straight day. J. C. Taylor, plant phone 7933, home phone 4-2087, Knoxville.

Ride wanted or will join car pool from vicinity of New York and Vermont Avenues in Oak Ridge to North Portal, straight day. Anthony Hitchcock, plant phone 7-8634, home phone 2-2958, Oak Ridge.

Riders wanted from Burlington Area in East Knoxville to any portal, straight day. Kathleen Milligan, plant phone 7413.

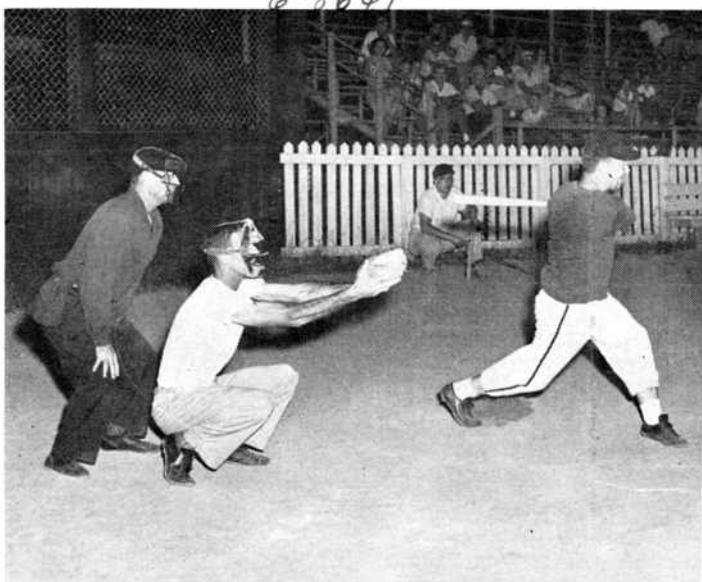
Ride wanted from Venus Road or New York Avenue vicinity in Oak Ridge to Central or West Portal, straight day. Katy Gulley, plant phone 7-8584, home phone 5-9674, Oak Ridge.

Ride wanted or will participate in car pool from Powell to North Portal, straight day. S. G. Campbell, plant phone 7-8253, home phone 4-6918, Powell.

Riders wanted from Blowing Springs and Clinton vicinity to any portal, straight day. W. C. Ward, home phone, 1550-R20, Clinton.

Accident Cost In U. S. High; Could Clothe Entire Nation

The cost of accidents in the United States last year was \$10,800,000,000 — enough to have clothed every man, woman and child in the country. That sum also would have built 1,000,000 new houses costing \$10,600 each and would have constructed 300,000 badly needed Class A school rooms for 9,000,000 children. Furthermore it would have paid for all three shots of Salk anti-polio vaccine for every man, woman and child in the world.



TYPICAL ACTION IN THE Y-12 PLANT SOFTBALL LEAGUE is shown above as E. K. Beeler, of the B Bombers, takes a healthy cut at a pitch in a game with the Reactors recently at Pinewood Park. The catcher is Bill Wilburn and the umpire is J. A. Harris. The Early Birds team is also pictured. The hard playing club battled all opponents right down to the



last wire in all games. Front row, left to right, G. O. Butters, Bill Helms, M. J. Kosier, T. W. Compton and O. J. Rhea. Back row, from left, J. B. Bowman, R. F. Knott, H. C. Huston, Manager, and J. R. Murph. Team members absent when the picture was made included R. E. Gibson, P. W. Bullard, C. E. Spradlin, J. L. Williams, J. D. Meadows and E. E. Hickman.

Collins-Watson Tops In Lenoir City Loop

Collins and Watson climbed to the number one spot in the Y-12 Golf League at Lenoir City last week by taking a two and one-half point win from Mills and Perry. M. F. and J. L. Gilliam posted a whitewash victory over Thompson and Kinkaid for the only shutout win of the week. Oxford and A. Collins took a two point triumph from the team of Henck-Clabough while Wallace and Patterson split their match with Davis and Arrowood, both winning one and one-half points.

M. F. Gilliam had the best scratch score of the week by shooting a fine 41 while Watson and Wallace tied for handicap honors, each shooting a 33.

League standing follows:

Team	W	L
W. Collins-Watson	5½	½
Wallace-Patterson	4½	1½
Davis-Arrowood	4½	1½
M. F. & J. L. Gilliam	3	3
Thompson-Kinkaid	3	3
Oxford-A. Collins	2	4
Henck-Clabough	1	5
Mills-Perry	½	5½

Marksmen Continue Winning Ways

The Marksmen continued their winning ways in the Y-12 Plant Pistol League last week by taking a double win over the Masters. The unbeaten team posted a fine score of 254 scratch boosted to 287.990 with handicap. The Masters shot a 249 scratch increased to 287.811 with handicap. The Experts took a forfeit win from the Sharpshooters, due to many of the team members being on vacation.

J. C. Ezell was top gun in scratch scoring with a 256 while C. G. Brewster had the top handicap score of 287.990.

The league standing as of July 11th follows:

Team	W	L
Marksmen	12	0
Masters	6	6
Sharpshooters	3	9
Experts	3	9

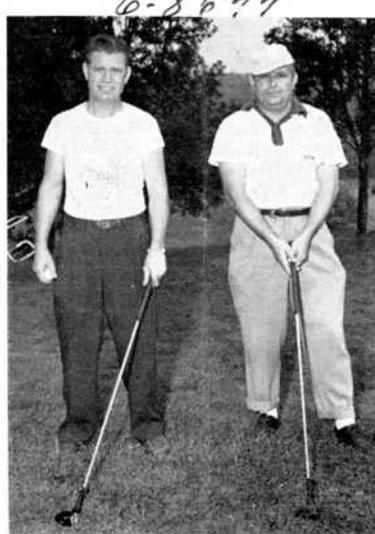
Archery Leaguers Post Fine Scores

The Y-12 Archery League continued some fine shooting last week at the Oak Ridge Sportsman's Association range. The Split Stumps continue to lead the pack in the circuit while the Quivers are in second place. The league leaders have rung up 26 points thus far during the shooting.

James Kyle had the top score last week of 144 scratch.

League standing follows:

Team	Points
Split Stumps	26
Quivers	19
Broken Nochs	17
Apaches	10
Long Bows	3



THE Y-12 GOLF LEAGUE at Lenoir City has been noted this year for keen competition and furnishing some of this competition is the golfing pair shown above. From left, P. J. Arrowood and J. D. Davis, both of the General Machine Shop.

White-Campbell Score Tennis Wins

The mixed doubles tennis team of L. White and Campbell turned in a victory last week over McGinnis-Harper with Perry substituting for Harper by 10-8, 7-5, to move up to the number three slot on the ladder.

There were no matches reported in the Men's Tennis Ladder for the week, due to many vacations taken by ladder members.

The mixed doubles standings follow:

1. Cusman-Ballenger
2. Gombita-Laggis
3. L. White-Campbell
4. Brown-Everitt
5. McGinnis-Harper
6. W. White-Kuhn

Harriman Golf Loop Closely Contested

The Harriman Golf League is rolling along in fine style in the last half of play as Martin-Isham continues to keep the top spot. Kahley and Ruthven advanced to third slot in the league standings according to latest reports for the week ending July 7. Cuneo and Thomas are now three and one-half points behind the league leaders.

League standing follows:

Team	W	L
Martin-Isham	11½	½
Cuneo-Thomas	8	0
Kahley-Ruthven	7	5
Belvin-Hopkins	5½	6½
McConkey-Raper	3	5
Mackey-Hamill	3	9
Ellis-Anglin	1	7
Kidd-O'Keefe	1	7

Y-12 Plant Softball League Starts Second Half Play

The second half of the Y-12 Plant Softball League got off to a fine start last week at Pinewood Park. Four games were played under the lights with the rampaging Rebels winning a pair and the Reactors, first

Emery-Perry Keep Knox Golf Lead

The Y-12 Golf League at Whittle Springs in Knoxville continued to be a very close race according to reports for the week of June 29. Emery and Perry continued to hold the number one spot but Leach and Hilton were right on the heels of the league leaders trailing by a mere one-half point.

Scratch honors for the week went to Clyde Bowles, who posted a sizzling 38 and a fine 33 handicap. The team of Sawyer-Loy took scratch honors with an 84 while Hackett-Bowles took handicap honors with a 73.

League standing follows:

Team	W	L
Emery-Perry	19	5
Leach-Hilton	18½	5½
Bowles-Hackett	13½	10½
Sawyer-Loy	13½	10½
Cook-Troutman	12½	11½
Schappel-Schappel	10½	13½
Kovach-Breman	9½	14½
Huskisson-Wilburn	9½	14½
Peterson-Lockhart	8½	15½
Stein-Galle	5	19½

Horseshoe Ladder Reports Action

The horseshoe pitching combination of Joe Dunlap and V. A. Stanley took over first place in the Y-12 Plant Ladder last week by taking three out of four games from Len Hart and Frank Zupan. Other action in the ladder found Avery Kendig and Charley Gillihan defeating Parker Morgan and Lloyd Wyatt also by three games out of four.

Ladder standings follow:

1. Dunlap-Stanley
2. Hart-Zupan
3. Hilton-Hackett
4. Kendig-Gillihan
5. Morgan-Wyatt
6. Smith-Beckett
7. Collins-Lewis
8. Dyer-Dick

Employees Sons Play In Golf Tourney

Two sons of Union Carbide Nuclear Company employees represented Oak Ridge at the Tennessee Jaycee State Golf Tournament at Maryville on July 15, 16 and 17. They were, John Emler, son of Logan Emler, UCNC Production Manager, and Jimmy Riikola, son of A. W. J. Riikola, of the Oak Ridge National Laboratory. The two boys gained the honor of representing the Oak

half champs of the league, also taking a couple of victories.

Ed Sise, veteran twirler for the Rebels, spun a no-hitter against the B Bombers as the Rebels triumphed by 8 to 1. Sise was in rare form as he mowed the Bombers down for seven full innings. Sise also used the stick well in this game as he had three for three. Halsey chipped in two hits for the winners. The Rebels had things going their way against the Screwballs as they scored four runs in the third frame to win by a 15 to 2 margin. Teno and Halsey bashed home runs for the winners while Norman had a pair of doubles and J. D. Collins came through with two hits. Simmons, of the Screwballs, connected with a home run for the losers.

The Reactors had a tough time with the B Bombers barely edging the losers by 3 to 2. Both clubs got five hits. Chandler twirled a masterful game for the Reactors while Burnett did the same for the Bombers. The Bombers led the winners by one run going into the bottom of the sixth canto when the Reactors came through with two big runs to win the game by a close margin. In the last game of the week, the Reactors took a 21 to 4 victory from the Screwballs as Roe, Cheek and Cavosie led the attack at the plate. Chandler twirled a five hitter to win easily. Wade had two safeties for the losers.

League standings and line scores follow:

LEAGUE STANDINGS			
Team	W	L	
Reactors	2	0	0
Rebels	2	0	0
Cubs	0	0	0
Wildcats	0	0	0
Early Birds	0	0	2
B Bombers	0	2	2
Screwballs	0	2	2

LINE SCORES			
Team	R	H	E
Bombers	100	000	x-1 0 3
Rebels	103	004	x-8 10 0
Batteries:	Bombers,	Hatmaker	and Beeler, Rebels, Sise and Collins.

Screwballs	100	001	0-2 3 9
Rebels	104	334	x-15 8 2
Batteries:	Screwballs,	Spradlin	and Simmons, Rebels, Sise and Collins.

Bombers	000	200	0-2 5 1
Reactors	010	002	x-3 5 0
Batteries:	Bombers,	Burnett	and Beeler, Reactors, Chandler and Smith.

Reactors	55	10	10-21 15 2
Screwballs	00	0	31-4 5 5
Batteries:	Reactors:	Chandler	and Smith, Screwballs, Belton and Goodwin.

Ridge Jaycees in the tournament by placing one, two, respectively, in the locally sponsored Jaycee Golf Tournament.

The winner of the state tournament will go to the National Jaycee finals which will be held in California in August.

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Initiative Of Y-12er On Former Job Helped Paper Mill Cut Time From Estimating Timber

The initiative of a present Y-12 employee back in 1929 that revolutionized a previous system of computing timber content of vast acreages of land in Canada came to light recently. The Y-12er is George B. Davis, a development mechanic in Research Services, who has been a Y-12 employee since January 10, 1955.

Davis' work in 1929 that saved the International Paper Company both much money and time was described in a feature story in the plant publication of the Monroe Calculating Co., of Bristol, Va., where he worked before coming to Oak Ridge and Y-12. Of course, it involved one of Monroe's machines, an early model calculator of the hand operated type that was portable.

In 1929 the paper company leased extensive tracts of timber land to supply its mills and the surveys of the land involved send-

ing men 75 miles into uninhabited and desolate areas to map the area and estimate the potential lumber available for periods up to 99 years. This "timber cruising," as it was called, sometimes required up to six months to complete after the cruise was ended just to finish the calculations.

Seeking to lower this time, the company asked for suggestions from its employees and Davis proposed the use of the then new model of the Monroe calculator, which he had used in the company office. The company agreed so Davis was made a field office manager and travelled by canoe, snowshoes and horse into the forests — carrying his calculator. The party spent six months in the field—and by the time it returned to civilization Davis had completed his estimates. This saved the company the previous six months needed to compile their figures.

Davis, a Monroe employee from 1951 through 1954, now claims Morristown, Tenn., as his home. He is an enthusiastic outdoor sportsman, particular water sports. Davis is a member of the Disabled American Veterans, the American Legion and Masonic orders.



Geo. B. Davis

'Last One For The Road' Might Be Little Nip To Cause Permanent Nap For Drivers

Y-12ers frequently take to the highways for automobile trips and may become exposed to the most potent traffic hazard of all—the drinking driver.

The drinking driver is a deathly menace—not only to other motorists and pedestrians, but also to himself. That "last little one for the road" can be just as fatal as a dose of Borgia's potent poison and the "little nip" might produce a "little nap"—permanent, that is, for the driver and/or a lot of innocent persons that could be involved in a traffic accident resulting from the lack of reflexes and caution brought on by alcohol.

Of course, sober drivers and pedestrians will avoid a drinking driver like the plague—if they can see him in time. However, the recklessness and tendency toward speed induced by drinking enables the drinking driver to "sneak up" on his innocent victims so double caution must be exerted by the non-drinker to avoid catastrophe.

Naturally, there are a lot of other precautions to be taken to avoid accidents. Observance of traffic laws and regulations, a thorough check of mechanical features of automobiles and alertness all will tend to make a trip safe and with a happy return.

Courtesy is another virtue that will be of benefit to all drivers.

Disregard of safe driving principles and practices designed to protect motorists and their property is discourtesy. For example, a driver who weaves in and out of traffic is just as discourteous as a pedestrian who shoulders his way through a crowded street like a fullback, forcing others to sidestep him or be knocked down. However, shouldering through automobile traffic is much more dangerous. Statistics show that in two-thirds of fatal traffic accidents a discourteous act was the factor principally responsible for the mishap.

So—during all journeys—may a plea be uttered to all Y-12ers.

Don't drink before driving — be courteous — be careful.



MALCOLM ELAM, of the Product Processing Department, caught this nice sauger recently at Watts Bar Lake. Elam was using a minnow for bait. The big sauger will be a contender for first prize in the Annual Y-12 Fishing Contest which will end on December 31.

Y-12er Attends Rifle Meet

Carl G. Brewster, of the Y-12 Medical Department, recently attended the South Central Small-bore Regional Rifle Championships at Chattanooga. Brewster is a long-time member of the Y-12 Rifle and Pistol teams.

There were approximately 70 shooters at the championships with a large group of these being some of the best marksmen in the country. Some of the states represented included Georgia, Alabama, Louisiana, North and South Carolina, Texas, Illinois and many others.

Brewster teamed up with an old friend, Col. Jim Boddie, of Savannah, Georgia to win the two-man team match shoot. The pair posted a fine score of 796 out of a possible 800.



Continued from Page 2
G. A. Tedder, W. O. Thompson, J. W. Dowell and F. E. Crowder . . .

The department welcomes back **Charley Johnson . . .** Get well wishes go to **O. Lloyd and R. C. Winfree . . .** The department extends sympathy to **E. M. Coburn** on the recent death of his father **T. B. Coburn** in Tusculumbia, Ala.

J. A. Woods, F. Mechanical Operations, is vacationing at home in Harriman while **J. F. Campbell** is doing the same at Oliver Springs.

W. W. Clem, of C Mechanical Operations, is in Fort Stewart, Ga. for National Guard training . . . Two leisure timers are **R. E. Jones** with destination unknown and **G. M. Cox** at home in Knoxville . . . **Rudolph Payne** is the proud owner of a new Buick.

INDUSTRIAL RELATIONS

Judy Reeves, of Personnel Records, is on vacation with a trip to Akron, Ohio and a side trip to Nashville.

The Fire Department reports **E. D. Bailey** and **C. A. Cook** are on vacation . . . **Capt. E. L. Moore** is in Marine training over in North Carolina and that **E. J. Kendrick** has been on vacation.

Charlene Smith, Medical, and her husband, **J. P. Smith**, of Engineering, are on a two-weeks vacation.

CHEMICAL

C. A. Puckett, of the Chemical Department, is in Florida on vacation . . . **J. B. Stricklin** and wife **Carol** are in Daytona for a week . . . **A. E. Sands** and family are taking it easy in Nags Head, North Carolina . . . **R. P. Bowles** is in Daytona . . . The department welcomes **S. P. Vavalides** from Paducah.

Product Processing sends get well wishes to **F. A. Wells** in the Oak Ridge Hospital . . . **J. R. Cooter** is back after spending a delightful vacation with his young grandson . . . **L. Jeffreys** vacation spot was Myrtle Beach . . . **George Meredith** is back after a vacation spent in Baltimore.

FINANCE AND MATERIALS

The entire Materials Department extends its sympathy to **Joanne Kincaid** in the loss of her mother.

J. D. Raulston, of the Mail Room, is taking it easy at home in Strawberry Plains.

Sympathy is sent to **Dorothy Conner**, of Plant Records, whose sister died in Chattanooga recently.

Charlie Hughes, of the Reproduction Department, spent a recent week at home in Knoxville waxing floors.

'Tis said that the "best things in life are free." However a good imagination and good legs are needed to find them.



HOWARD HORNE, of Maintenance Planning, took first prize in the Y-12 Weekly Photographic Contest for the week ending July 12 with the top picture of his little daughter strumming the guitar. Second place went to **J. H. Stewart, Jr.**, of the Production Analysis Department, with his photo of "Grandmother Bohannon" on her 82nd birthday.

Shotgun 'Gauge' Set By Old System

The Tennessee State Conservation Department recently pointed out that the "gauge" of a shotgun is determined by an old system. The measurement is based on the number of lead balls weighing one pound. For instance, a 12-gauge gun is approximately the diameter of a lead ball of a size of which 12 weigh one pound. This system holds true through all gauge of shotguns except the .410, which actually is its calibre. The gauge of the .410 gun would be 36. The department also points out that the so-called high-powered shell loaded with shot of a seven and one-half size contains about 525 pellets and wonders—"How do we miss?" Width of a shot patter, of course, depends on such factors as length of barrel, choke, distance of target from muzzle and other circumstances.

Man 'In The Dark' Can Wreak Havoc

The National Safety Council News Letter recently reported the instance of a man who got up in the middle of the night and reached for an aerosol bomb to kill a mosquito. In the dark by mistake he grabbed his wife's pressure-can of whipped cream.

The fate of the mosquito is shrouded in mystery, but it took the poor guy 45 minutes to clean whipped cream from walls, ceilings, draperies, furniture, floor and windows while his outraged—and amused—wife looked on.

It would be nice, says the Safety Council, if everyone "in the dark" as to proper safety procedures and use of equipment could escape so easily.

DOG KNEW WHERE TO GO

According to a recent news story from New Haven, Conn., a dog limped into a hospital, rolled over and held up a sore paw. A doctor removed an embedded thorn. The dog barked gratefully and left.

Gives Nothing--But Takes All; Carelessness

I am more powerful than the combined armies of the world.

I have destroyed more men than all the wars of the nations.

I am more deadly than bullets, and I have wrecked more homes than the mightiest of guns.

I steal in the United States alone more than \$500,000,000 each year.

No One Is Spared

I spare no one, and I find my victims among the rich and the poor alike, the young and the old, the strong and the weak.

I loom up to such proportions that I cast my shadow over every field of labor, from the turning of every grindstone to the moving of every railroad train.

I massacre thousands upon thousands of wage earners in a year.

Most Work Done Silently

I lurk in unseen places, and do most of my work silently. You are warned against me, but you heed not.

I am relentless.

I am everywhere—in the home, on the streets, in the factory, at railroad crossings, and on the sea.

Bring Sickness And Death

I bring sickness, degradation and death, and yet few seek to avoid me.

I destroy, crush and maim, I give nothing but take all.

I am your worst enemy.

I am **CARELESSNESS**

U. S. Economic System Gives Big Advantage To Workers

The comparative advantages that the American economic system gives United States industrial workers is cited in Table No. 24 of the Tax Foundation's new book. The table is based on figures compiled by United States Labor Department.

According to that table, American industrial employees work 31 minutes to buy a pound of beef to 126 minutes for French workers, 128 for Italians and 132 for Russians. To buy a pound of fish Americans work 18 minutes to 33 for French, 65 for Italians and 135 for the Russians. Two minutes of American work will buy a pound of potatoes while the French work three, Italians five and Russians nine. For a dozen eggs Americans work 32 minutes, French 118, Italians 126 and Russians 187.

A patron of a Gypsy fortune teller got something of a surprise.

"Hey," he exclaimed, "do you realize your crystal ball has three holes in it?"

"Sure," beamed the gypsy, "I put 'em there myself. I also give bowling lessons."



LOVELY CYNTHIA DIANNE Webster is the animated model for this snapshot made by her father, E. P. Webster, D Mechanical Operations, on her recent first birthday.

