

IRA SHOTTS, ASSISTANT CHIEF TIMEKEEPER, in picture at left points to booklet on the Savings Plan for Union Carbide and Carbon Corporation employees to explain features of the Personal Savings Account part of the plan, under which Y-12ers can purchase Union Carbide stock, to W. W. Chilcoat, General Machine



Shop, as Wilbur Hamby, paymaster, looks on from rear. At right Birdie Fitzgerald, record clerk in the paymaster and timekeeping office, is addressing envelopes containing statements of Personal Savings Accounts to Y-12 stockholders in Union Carbide who have bought the stock through payroll deductions.

How Union Carbide Stock Is Traded On Exchange Described For Y-12ers

Interesting Story Told For Information Of Many Corporation Stockholders In Plant

Many Y-12ers are stockholders in Union Carbide and Carbon Corporation—buying the stock through regular payroll deductions by setting up a Personal Savings Account in the Savings Plan for employees of Union Carbide.

Union Carbide stock is traded on the New York Stock Exchange—and how many Y-12 stockholders are familiar with the operations in the buying and selling of UCC stock and other securities?

To provide this information, Union Carbide has prepared an interesting description of these operations that fully explain just how stock trading is handled on the Exchange. Every Y-12er—stockholder or not in UCC—should read this informative story, which is published below.

Y-12 employees, after three years of Company Service Credit, are eligible to participate in the Personal Savings Account of the Savings Plan. Through this plan, Y-12ers may purchase either Union Carbide stock or United States Savings Bonds. Deductions up to seven and one-half per cent of earnings may be authorized for such purchases, but not more than \$83 per month. To the money allotted by Y-12ers for such purchases, the Corporation adds 30 per cent.

Complete information about the Savings Plan with its Personal Savings Account and the General Savings Fund may be obtained from the Timekeeping and Paymaster Departments on the ground floor of the Y-12 Cafeteria.

Purchase Order Followed Through New York Exchange As Buying And Selling Explained

Remember those old movies where a well-fed stock speculator in a pin-striped suit growled mysteriously into the telephone? It usually sounded something like: "Buy 10,000 shares of Amalgamated Throckmorton." Today, however, buying and selling stock is neither mysterious nor necessarily a big deal.

The majority of investors now are looking for a steady, fair return and, instead of buying thousands of shares, they often purchase 10, five, or even single shares. Instead of being millionaires, most have modest incomes. In fact, almost a third of the investors who buy stock through the New York Stock Exchange earn less than \$5,000 a year. To these people, buying stock is not a mysterious business, but a purchase as basic and carefully considered as buying a home.

Order Relayed To New York

To see how stock buying really works, let's follow a purchase order from a local broker for a share of stock. Let's assume it's Union Carbide, selling for \$116 a share. The broker relays the order to his New York headquarters.

The purchase takes place when two members of the New York Stock Exchange meet on the Exchange floor and say something like this:

"How's Union Carbide?"
"A quarter, a half."
"Three-eighths for a 100."
"Sold 100 at three-eighths."

Ticker Transmits Transactions

Minutes after this purchase more than 2,000 brokerage houses all over the country know about the sale. Naturally, they don't receive telegrams saying that an individual had just purchased a share of Union Carbide stock. Instead, the brokers read "UK 116 3/8" on a narrow tape clicking out of a stock ticker machine. These letters and figures show that someone has purchased common stock in Union Carbide and Carbon Corporation for \$116.37 1/2 per share.

To understand why "Sold 100 at three-eighths" comes our reading

"UK 116 3/8," take a look at the New York Stock Exchange itself, where Union Carbide stock is traded. The building is located in downtown New York City at the corner of Broad and Wall Streets. The trading floor is about two-thirds the size of a football field and looks much like an ornate gymnasium, except for the open phone booths around the sides and the horseshoe shaped "islands" spaced evenly around the floor. All Union Carbide stock buying and selling here takes place on a six foot square near one of these "islands."

Broker Instructed To Buy

Let's pick out the New York broker who is going to purchase stock. He's looking up at a huge "scoreboard" where he sees that his number has been flashed. This means he is wanted by his phone clerk. Minutes before, the local brokerage firm instructed the home brokerage firm by private wire to buy a share of Union Carbide stock. This purchase order is

EARLY DEADLINE NEEDED FOR SEPTEMBER 3 EDITION

It isn't too early right now to remind all Y-12ers — and particularly those who have so conscientiously served The Y-12 Bulletin as contributors and others who wish material published in the Wednesday, September 3, edition of the paper that the Labor Day holiday on Monday, September 3, will require a shuffling of the regular publication schedule and deadline. As the printing and engraving plants that serve The Bulletin in Knoxville also will be observing the holiday, it will be necessary to print the paper on Friday, August 31. Therefore, all material and pictures for the September 3 edition MUST be in The Bulletin office, Room 228, Bldg. 9704-2, not later than Wednesday, August 29. Cooperation of all will be appreciated.

Groups Are Offered Space In The Bulletin

Professional, Technical Meetings To Be Carried

With the approach of the fall season of meetings of professional and technical societies in which Y-12 employees are interested, The Y-12 Bulletin issues its annual invitation to such organizations to submit news of the meetings to the plant newspaper for publication. Many Y-12ers are members of such organizations and The Bulletin is glad to be of service to them and the organizations in publishing news stories of such meetings.

All that is necessary for any organization to have notice of their meetings published in The Bulletin is for a representative of the group to bring, send or telephone information to The Bulletin, Room 228, Bldg. 9704-2, telephone 7751. Pictures of speakers also may be submitted for publication.

Attention of all organizations and their representatives is called to the deadlines necessary for publication. For publication in any edition of The Bulletin, which comes out every Wednesday, the absolute deadline for material is noon the previous Friday. Of course, the earlier the better, to avoid last minute rushes.

SUMMER DISHES ARE SET FOR SPECIAL LUNCHES

Summer dishes suitable for warm weather appetites will be offered as entrees on the Y-12 Cafeteria Special Lunches for tomorrow, Thursday, August 23, and again next Tuesday, August 28. The 50-cent Special Lunch tomorrow will feature grilled beef patties with mushroom sauce and next Tuesday the main item will be creamed turkey on toast. The Special Lunches also include one vegetable, choice of salad or dessert and rolls and butter.



THIS IS AN ARTIST'S SKETCH OF THE FLOOR of the New York Stock Exchange in downtown Manhattan where Union Carbide stock is traded. More pictures on Page Four.

Fall Social Season Opens With Dance September 8

The fall social and dancing season for all Y-12ers interested in tripping the light fantastic and mingling with their fellow employees will open auspiciously on Saturday night, September 8, when the Y-12 Girls Club and the Recreation Office combine their talents to present a Fall Dance.

The big shindig will be held in the air-conditioned ballroom of the Oak Terrace, with the fun beginning at 9 p.m. and continuing until 1 a.m. Tickets will be only \$1 per person, including tax. The tickets will be placed on sale next week and a list of sellers and places where they may be obtained will be published in The Bulletin.

Music for the Fall Dance will be provided by Larry Dunn and his orchestra. This nine-piece musical organization made a big hit with Y-12ers with their showing at the Spring Dance. A vocalist will appear with the band.

The periodical dances staged by the Girls Club and the Recreation Department have been thoroughly enjoyed by hundreds of Y-12ers. The entertainment is directed at all Y-12 employees and organiza-

tion of department and group parties is urged so that the fun can be enjoyed by as many persons as possible.

So mark calendars right now with a big circle around September 8 as the target date for a big night out.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated Five Days Or 154,720 Man-Hours (Unofficial Estimate) Without A Lost Time Injury Through August 19

The Bulletin

Published Weekly By And For
Y-12 Employees Of
**UNION CARBIDE
NUCLEAR COMPANY**
A Division Of
Union Carbide And Carbon
Corporation
Post Office Box Y
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GEORGE W. DOBBS . . . Editor

OFFICE
Bldg. 9704-2 Room 228
Telephone 7751

Prayer By Y-12er Is Used To Open Safety Meetings

James A. "Jim" Morrison, of B Mechanical Operations, is a firm believer in Divine Guidance in support of endeavors of his department to operate safely.



Jim Morrison

He has written an especial prayer that is used to open departmental safety meetings that is particularly appropriate to the subject. It follows in full:

"Dear Lord, we thank Thee for Thy loving care and the help Thou hast granted us for our safety. We beseech Thee to help us repel all thoughts of discontent, anxiety and discouragement that breed unsafe habits. Grant us the serenity of spirit that will enable us not only to be ever mindful of our own safety, but, as Thou has taught us to love one another, the safety of others also.

"Amen."

Picnic, Watermelon Cutting Set By D Shift At Concord

Y-12ers on the D Shift will present a picnic and watermelon cutting for its employees and members of their families next Wednesday, August 29, at Concord Park. The watermelon and soft drinks will be free to guests and a large crowd is expected to turn out. Each family will bring their own picnic lunches, which will be spread together. The usual picnic recreational activities will be staged with festivities scheduled to begin at 3 p.m. to avoid mid-day heat.

100 A Shift Y-12ers Enjoy Big Picnic At Big Ridge

About 100 Y-12ers on the A Shift and members of their families enjoyed the second picnic and outing by the A Shifters last Thursday, August 16, at Big Ridge State Park. Tom Hamrick, Production Analysis, heads the Shift Recreation Committee. Assistant A Shift Superintendent Jud Temple was on hand to represent the Plant Shift Superintendents Office.

Technical Books Are Sought For Indonesian Laboratory

Y-12ers have been asked to donate any surplus technical books or journals to the Bosscha Laboratory of the University of Indonesia in Java. Any contributions are asked to be sent to the librarian of the Oak Ridge National Laboratory Technical Library in the Y-12 Plant Area, or to notify the librarian if the donor wishes the material picked up. The Bosscha Laboratory Library is said to be in need of such literature and all contributions will be gratefully received.



Here we go again—

TECHNICAL

Dr. J. W. Strohecker, Process Design, and family picked St. Petersburg, Fla., for vacationing purposes.

Civil and Architectural Engineering has **A. C. Hutchins** resting up in Georgia.

Production Analysis welcomed **Juanita Moore** back last week after a long illness.

Bill Garland, Production Assay, is soaking up the scenery in Philadelphia and New York . . . **Dot Moore** is just resting up at home in Powell . . . **Mattie Marlar** is visiting kinfolks in Mississippi and **Rosel Davis** is dividing time between Nashville, Tenn., and Georgia.

Bill Grizzell, Chemical and Industrial Engineering, is taking in the McMinn County Centennial.

MECHANICAL OPERATIONS

H. E. Stout and **J. F. Russell**, A Mechanical Operations, have just wound up some military training—Russell is taking a vacation to rest up from the strenuous work. . . . **L. C. Hale** is visiting relatives in Alabama . . . **R. G. Holmes** took in the Daytona Beach dog racing and dodged Betsy last week . . .

R. Y. Drumwright and family are doing some fishing over in North Carolina . . . **C. L. Oliver** is entertaining out-of-town relatives.

B Mechanical Operations sends word that **R. L. Coffey** is vacationing with relatives in Virginia's beautiful Shenandoah Valley and also in Baltimore, Md. . . . **D. H. Stephens** went to Florida to do some deep sea fishing . . . After seeing "Chucky Jack" and "Unto These Hills" in Gatlinburg and Cherokee, N. C., **H. E. Cornell**, wife and daughter drove up to Lansing, Mich., to visit a daughter . . . **F. R. Norton** is planning a visit to Alabama to see kinfolks next week . . . **T. T. Patterson** is taking a week off to learn the ropes as a new member of the Proud Pop's Club—he qualified when little Theresa was born a few days ago at Oak Ridge Hospital weighing five pounds, four ounces . . . **R. A. Wilson** and **J. A. Lewis** are proud occupants of new homes.

Lyle Lankford, C Mechanical Operations, had his brother and wife from Plymouth, N. C., as week-end guests — the visitors were en route to the old Lankford stamping grounds in Texas.

D Mechanical Operations dots and dashes that **G. W. Puckett** is down in Alabama . . . **G. T. Pyle** went to North Carolina to see relatives . . . Get well wishes to **R. R. Lands**, on the sick list.

Charlie Smith smoke signals from E Mechanical Operations that things ain't so active around those parts . . . **A. C. Smith** is hanging around home and the Smokies . . . **J. A. Dockins** is expected to go fishing—what else? . . . **G. W. Sharp** took his wife, mother and father to East Chicago for a visit. . . . **R. H. Tilley** is combining baby sitting and golfing . . . A visit to Kentucky is being enjoyed by **L. C. Miller**, wife and daughter.

F Mechanical Operations sends get well wishes to **E. D. Collins** at Oak Ridge Hospital . . . **John Harding** and family are other Y-12ers who probably did some hurricane dodging in Florida . . . **C. W. Stegall** is looking forward to moving into his new home in Kingston . . . **J. M. McGhee** is touring Indiana while **W. L. Jones** is home at Harriman and **N. J. Roberts** likewise in Clinton.

The General Machine Shop came up with two new grandpops last week — **Roy Griffith** and **Earl Johnson** both reporting new grandsons in their families . . . The department extends condolences to **Lloyd Baker**, whose father, **A. D. Baker**, died at Chatta-

nooga August 13 . . . Guess where **J. H. Lauderdale** took his vacation — Ft. Lauderdale, Fla., of course . . . **G. A. Kirk** is going to spend a couple of weeks in Daytona Beach, stopping en route to attend graduation exercises for his son, Gene, a former Y-12er, from the Emory University School of Theology at Atlanta . . . **W. W. Chilcoat** and **J. S. McCarty** both are in Birmingham and **P. L. Collins** went to North Alabama on vacations . . . **O. K. Sergeant** is over in Franklin, N. C. . . . **A. L. Cardwell** is taking it easy at his Concord home.

MANUFACTURING OFFICE

T. A. Williams, Cashier and Travel Office, has been visiting in Kingsport.

Hugh Rice, Timekeeping, visited in Tellico Plains, Tenn., and then in Virginia while vacationing . . . **Bob Davis** is visiting his brother in Columbia, Tenn.

H. I. Estey, Property, is touring North Carolina and thence to Florida.

Production Inspection sends get well wishes to **J. P. Hunt** in Oak Ridge Hospital.

The Inspection Department had lots of fun at its August 18 picnic at Roane County State Park.

Paul Snodgrass, Receiving, is vacationing at Johnson City and **R. M. Meade** is at home in Clinton.

Material Control welcomes **Clara Smith**—a newcomer to the group.

W. C. Fraley, Stores, is recuperating at home after a stay in Oak Ridge Hospital . . . **H. D. Scarborough** is on a three-week tour of California and other points West . . . **P. I. Fawver** is vacationing somewhere north of the Mason-Dixon Line.

Home in Knoxville is the site for **Ella Mae Koontz** to vacation from her job in Reproduction.

Design and Composition welcomes newcomer **Janice Jones**.

Tom Stephens, Plant Records, has been visiting in Gainesville and Blairsville, Ga.

Jimmy O'Kain, Engineering Records, found home in Oak Ridge good enough for his vacation.

MAINTENANCE

Salvage sends rapid recovery wishes to the son of **L. Nation**, who is in Oak Ridge Hospital after being hit by an automobile.

C. G. Hubbard is spending a couple of weeks at Key West, Fla., and points this side . . . **M. W. Moore** had his mother as a visitor from Memphis last week and helped her observe her 76th birthday . . . Get well wishes to **Blackie Blackburn** and **T. C. Caldwell**.

Electrical Maintenance reports **Babs Stooksbury** vacationed in Gatlinburg . . . Sharpshooting **J. C. Ezell** is over around Memphis. . . . **J. L. Morgan** is building a new home near Clinton while vacationing.

Three weeks at home in Knoxville is **Ollie Morris'** vacation site from the Laundry . . . **Walter York** rested at home in Clinton. . . . Condolences are extended **K. L. Faulkner**, whose father-in-law died August 12.

Process Maintenance is congratulating **M. C. Tipton** on the arrival of a new son born August 6 at Oak Ridge Hospital — he has been vacationing to find out which end crosses over.

E. S. Nickle, Alloy Maintenance, found Folly Beach, S.C., fine for vacationing . . . **J. A. Sikes** took Texas for his.

ALLOY

Nancy Stutts, Alpha Four, and her husband, **Jim**, of the Maintenance Division, are vacationing this week to attend graduation exercises at the University of Tennessee to see their son-in-law, **Jim Johnson**, get his sheepskin. The



Mrs. Kenneth R. Hummel

Stuttses then will help the young Johnsons move to Florence, Ala., where the young grad has a job. . . . **Jim Sheehan** is looking over Washington, D.C., this week . . . **Joe Milligan** TViewed the Demos' convention while loafing at home last week.

The Big Bird with the Long Legs visited a couple of Beta Two gents recently . . . **K. M. Perkins** is the proud father of a girl born August 13 at Oak Ridge Hospital and **H. K. Stubbs** has a new son—no statistics.

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

O. K. Clotfelter and **C. E. Oney**, General Utilities, have been comparing notes on their new daughters . . . **E. Flowers** plans to visit his son in the Air Force at Wichita Falls, Tex. . . . **Sam Kite** is camping out in the Smokies and **E. B. Cox** is in Washington, D. C. . . . Rapid recovery wishes to **Walter Johnson** and **A. C. Wampler**, in Oak Ridge Hospital—likewise to **R. W. Chrisman** and **M. L. Stooksbury** in Knoxville hospitals and **F. M. Gambill** at home.

K. E. Nuchols, Steam Plant, plans a vacation in Tampa, Fla. . . . **L. L. Kilgore** is another Florida visitor . . . **A. H. Norman** expresses appreciation to his many friends in the Steam Plant and throughout Y-12 for the expressions of sympathy extended to him on the recent death of his father.

Jud Temple, Plant Shift Superintendents Office, and family camped out during a recent week end at Cades Cove . . . **H. N. Benninghoff** and folks plan an automobile trip to Pennsylvania on his long break . . . B Shift Superintendent **S. F. Creigh** has friends visiting from Louisville, Ky.

INDUSTRIAL RELATIONS
Medical folks and other friends of **Charlyne Smith** are congratulating her on her engagement and approaching marriage set for September 29 — hope to hear more about this . . . **Fern Howe** and her family are spending a couple of weeks in Michigan.

The Guard Department extends sympathy to **O. D. Cloyd**, whose mother died recently—he is presently vacationing with relatives in Lebanon, Tenn. . . . **J. V. Ledbetter** is vacationing in Rome, Ga.

The Fire Department hopes **Beverly Greer**, daughter of **Capt. E. F. Greer**, gets well soon.

Jack Fisher, Security, is vacationing up Michigan way.

The Insurance Department sends get well wishes to ailing **Evelyn Allen**.

Jim Whitcomb, Wage Standards, is expected to meander down to Mississippi while vacationing.

This is the works, folks.

Remember—Only you can

PREVENT FOREST FIRES



HUMMEL-BROOKS

The marriage of their daughter, Miss Jeanne Brooks, to Kenneth Ray Hummel on May 27, has been announced by Elmer Brooks, of the Y-12 Research Services Department, and Mrs. Brooks. The wedding vows were exchanged at the Main St. Baptist Church, Williamsburg, Ky., with the Rev. Carl Loy, pastor of the church, officiating in the double ring ceremony.

The bridegroom is the son of C. R. Hummel, of Williamsburg. Parents of the bride also are from Williamsburg.

The bride is a graduate of Cumberland College, at Williamsburg, and also attended Eastern Kentucky State College at Richmond, Ky. Hummel also is a graduate of Cumberland College.

At her wedding the bride wore a ballerina-length gown of white lace over satin and carried a bouquet of white roses. Her sister, Miss June Brooks, was her only attendant.

Best man was Jerry Hummel, brother of the groom.

The couple is at home in San Jose, Cal.



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

E. F. Sosby and **A. C. Wampler**, General Utilities; **J. M. McMaster**, Property; **E. F. Swaney** and **H. J. Hale**, Colex Operations; **R. W. Jenkins**, **J. D. Helton** and **D. B. Blackburn**, Research Services; **H. J. Finger**, Mechanical; **John Walpool**, A Mechanical Operations; **N. B. Keplinger, Jr.**, Alloy Maintenance; **H. T. Clark** and **W. E. Lamb**, General Machine Shop; **J. P. Hunt**, Production Inspection; **E. D. Collins**, F Mechanical Operations; **D. L. Moore**, Electrical Maintenance; **A. J. Townsend**, Chemical; **J. L. Ledgerwood**, Product Processing.

Two Meetings Of Seminar Set For August 28 And 30

There will be no meeting of the Oak Ridge Physics Seminar on Friday of this week, but two special meetings have been scheduled for Tuesday, August 28, and Thursday, August 30. Y-12ers interested in the subjects and meetings are invited to attend.

The August 28 meeting will be at 9:45 a.m. in the basement conference room of Bldg. 4500, ORNL, with **V. P. Kenney**, research participant from the University of Kentucky speaking on "Pion-Nucleon Interactions In Deuterium at 1.4 Bev." **John Mihelic**, research participant from the University of Notre Dame, with speak at 3:15 p.m. Thursday, August 30 in the auditorium of Bldg. 4500, ORNL. His subject will be "Nuclear Spectroscopy of Rare Isotopes."

10 Years Service

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

Arthur C. Wampler, General Utilities, August 22.

Henry F. Plyman, Buildings and Grounds, August 24.

John W. Woody, Research Services, August 29.

ALL-CARBIDE GOLF TOURNEY SET NEXT MONTH

49ers And Bombers Still In Loop Race

Wildcats Eliminated; Title Series Nearing

With only the 49ers and Bombers left in contention, it is expected that the close race in the American League of plant softballers can be brought to a close this week and the business of deciding the Y-12 Plant championship can get underway. The American League winner will meet the Early Birds, winners of both halves of the schedule of the National League, in a "world series" for the plant crown.

As of last Friday the 49ers have two more games to play with the Alloy and Wildcats teams. The Bombers still have four tilts slated with their opponents being the Wildcats, Cubs and the Rebels twice. One win by the 49ers and one loss by the Bombers would give the 49ers the second half crown to add to their first half championship and the season's title.

The hard fighting Wildcats were eliminated as contenders when the Cubs handed them a 4 to 3 defeat. Carper homered for the Cubs and Smith for the Wildcats. The 49ers picked up an easy win over the Cubs by 14 to 2 with Sise in complete control. The Cubs then beat the Bums by 19 to 1 in another reversal as Manager Myers' home run aided the cause. The Bombers picked up a decision through a forfeit from the Bums.

League standing as of last Friday and line scores of games played through last Thursday night follow:

AMERICAN LEAGUE STANDING			
Team	W	L	
49ers	10	2	
B Bombers	8	4	
Wildcats	8	4	
Rebels	5	3	
Cubs	5	5	
Bums	4	7	
Alloy	1	11	

LINE SCORES			
Team	R	H	
Wildcats	000 111 0	3	7
Cubs	011 101 x	4	8
Batteries: Wildcats, Monsey and Hickey, Cubs, Baker and Myers.			
Cub	000 000 2	2	4
49ers	035 006 x	14	5
Batteries: Cubs, Baker and Myers. 49ers, Sise and Hopkins.			
Bums	100 000 x	1	2
Cubs	621 370 x	19	16
Batteries: Bums, Law and Smith. Cubs, Hill and Myers.			

Close Race Raging In Knox Golf Loop

With the season rapidly nearing conclusion, the closely contested race in the Y-12 Plant Golf League at the Whittle Springs course in Knoxville continues with the final outcome not yet settled. The Ludwig-Wylie combination holds a two-point advantage over Huskisson-Wilburn and the second place team is just one and one-half points ahead of the third place Burrus-Sawyer duo.

For the week of August 4 the league leaders posted both the top scratch and handicap scores of 73 and 65. Wylie had the best individual scratch score of 34 and Hunter's 30 was best handicap tally for the week.

League standing for the week ending August 4 follows:

Team	W	L
Ludwig-Wylie	29½	6½
Huskisson-Wilburn	27½	8½
Burrus-Sawyer	26	10
Countiss-Bowles	24½	11½
Speas-Heins	21½	14½
Morgan-Miller	20½	15½
Cook-Hunter	20	16
Cabe-Lovell	17	19
Hill-Hilton	16	20
Simmons-Stroud	15½	20½
Kovach-Breman	13	23
Peterson-Lockhart	12½	23½
Wakefield-Schappel	11½	27½



MANAGER W. R. CLEVINGER, OF THE WILDCATS, shows his teammates how it's done when he raps a hard single in a game with the Rebels. E. M. Miller,

Rebel catcher, is behind the plate. The Wildcats made a strong bid for second half honors in the American League softball race before being eliminated.



ONE OF THE OUTSTANDING TEAMS in the American League of Y-12 softballers is the Wildcats, shown above. In the back row, from left, are Manager W. R. Clevenger, W. D. Smith, C. R. Meador, J. W. Steele and B. F. Bailey. In front are C. L. Stephens, Jr., L. A. Howard, John Byrd and T. E. Monsley. Squad members absent when picture was made include Charles Hickey, T. W. Osborne, Jr., T. G. Tapp, Joe Dick, Ted Higgins and Elmer Johnson.

61 Y-12ers Play In Final Golf Tourney; Good Scores Posted at Gatlinburg Course

With 61 Y-12 golfers competing, the fifth and final plant golf tournament of the season was held at the Gatlinburg Country Club last Saturday with some excellent scores being posted.

In the popular dog fight competition the first four with their net scores were Floyd Ludwig 76, John Boyd 79, Karl Kahley 78 and Bill Heckert 78, for a total of 311. The second group was composed of C. E. Harris 82, George Peterson 74, George Oliphant 92 and Len Hart 75, for a total of 323. In third place were Carl Dorr 72, J. Webster 90, Clarence Johnson 75 and George Lockhart 87, for a total of 324.

Dorr's 74 Best Scratch Score

Dorr had the best scratch score of the day with a 74 to lead the First Division. Ludwig was second with 82. The best net scores were Joe Pryson 76 and Al Sawyer 80. The low net score for the first nine was 35 by Jack Spears, with Frank Burchfield second at 37.

In the Second Division, the top net scorers were George Peterson at 74 and three tied with 78s for second and third. They were Kahley, Alan True and Bill Whitson. J. Patterson's 90 was best gross score, followed by Johnson 92, and F. C. Lowry 93. Nelson Tibbatts had 34 and Joe Miller 35 for low net first nine.

Hart Leads Third Division

Len Hart had 75, Heckert 78 and Roy Williams and F. R. Clabough tied at 82 for low net in the Third Division. Best gross scores were C. V. Redding 102, George Everett 106 and R. P. Wallace 107. For low net on the first nine W. Troutman had 34 and Jack Thomas 37.

Courtesy is contagious — it's a pleasure to catch those germs.

Marksmen Advance In Pistol League

The Marksmen's team in the Y-12 Plant Pistol League gained a little ground last week by beating the Experts 262 to 246 scratch and 287.057 to 285.539 handicap. The league-leading Masters and Sharpshooters split even, the Sharpshooters taking the handicap margin by 870.601 and the Masters the scratch victory 815 to 793.

P. H. Williams was high gun for the Sharpshooters with 280 scratch and 292.286 handicap. For the Masters D. R. Alford was tops with 277 and 290.057.

Team	W	L
Masters	13	7
Marksmen	11	9
Experts	8	12
Sharpshooters	8	12

Concord To Be Picnic Site For C Shifters Thursday

C Shift Y-12ers have scheduled a picnic and watermelon cutting for tomorrow afternoon, Thursday, May 23, at Concord Park. With watermelons and cantaloupes being furnished free by the shift recreation committee, Y-12ers on the C Shift and their families will bring their own picnic lunches. Activities will begin at 5 p.m.

Entering Deadline To Be September 6

Final Matches Must Be Completed Sept. 28

The climax of a summer of competition for Y-12 and other Union Carbide Nuclear Company golfers will be the annual All-Carbide Golf Tournament which will have an entry deadline of 12 o'clock noon, Thursday, September 6. First round tournament matches are to be completed by Friday, September 14, second round engagements by the following Friday, September 28, and final contests by Friday, September 28.

Two Ways To Qualify

Qualification for the tournament may be handled in one of two ways. Golfers who have competed in league play or tournaments in either of the three UCNC plant loops may use their league or plant tournament averages, provided they have played a minimum of 18 holes. For those players who have not competed in league play or tournaments an 18-hole qualifying round at the Oak Ridge Golf and Country Club must be played with the score attested by two or more accompanying golfers. All entries must be submitted to the Recreation Department by the deadline date given above. An entry blank for convenience of prospective contestants is printed at the bottom of this page.

Flights will be set up according to averages and in arranging schedules, the recreation supervisors who are directing the tournament will match, as far as possible, players from different plants.

Tournament matches will be for either nine or 18 holes, by agreement of the contestants. If no agreement is reached, 18 holes must be played. The site of the matches also may be determined by the contestants for any golf course, but again if no agreement is reached the match must be played at the Cedar Hill Golf and Country Club at Martel.

To avoid delays it has been ruled that all matches must be completed within the time prescribed. There will be exceptions to this rule.

Trophies will be awarded winners in each flight.

blanked Dabic and Ardery 6-0, 6-0; Gregory and Nicely also beat Dabic and Ardery, 6-0, 6-1; and Everett and Thompson white-washed Cusman and Willie by 6-0, 6-0.

Ladder standing as of last Friday follows:

1. Wood and Harris
2. Ballenger and Hackett
3. Horton and Fisher
4. Everett and Thompson
5. Laggio and Perry
6. Cusman and Willie
7. Nicely and Gregory
8. Dabic and Ardery
9. Sheehan and Stephens
10. Fletcher and Brown
11. McGinnis and Gambita

Dorr Will Defend Invitational Title

A number of Y-12 golfers will participate in the Fifth Annual Invitational Tournament at the Oak Ridge Golf and Country Club this week end, August 24, 25 and 26. Carl Dorr, of Y-12, is the defending amateur scratch champion and Danny Archer, of LaFollette, will put his professional crown on the line.

Outstanding golfers in this section of the state have been invited to play in the tournament and prizes for the amateurs will be donated by merchants of Oak Ridge.

Y-12ers On Team In Softball Tourney

Roy Roberts, of Health Physics, well known in baseball and softball circles in the Y-12 Plant and Oak Ridge, has a number of Y-12 softballers on the roster of his Oak Ridge Independents team competing in the state softball tournament at Chattanooga. Among them are Ralph Alspaugh, Bill Everett, L. C. Vann, Bill Dyer and Bill Smith.

The Independents lost their first outing last Thursday night to the strong Knoxville Iron Co. team by the score of 5 to 1. They then beat Greeneville, 5 to 0, but were eliminated by Nashville, 10 to 6.

Seven Matches Held In Tennis Ladder

Seven matches were played in the Y-12 Tennis Ladder last week, the largest number recorded in one week this season. The top team of Wood and Harris trimmed Fisher and Horton 6-2, 4-6, 6-3 to retain their lead. Ballenger and Hackett repulsed two challenges during the week, beating Laggion and Perry 6-1, 6-3; then licking Fisher and Horton 6-0, 6-1. In other matches Fletcher and Brown won over Gambita and McGinnis by 6-3, 6-0; Laggio and Perry

All-Carbide Golf Tournament Entry Blank

Name..... Dept.....
 Plant Address..... Plant Phone.....
 Home Address.....
 Home Phone.....
 Shift..... Date.....

Fill out and mail or bring to the Y-12 Recreation Office, Room 226, Bldg. 9704-2. Deadline for entering tournament is 12 noon, Thursday, September 6.

Bulk Rate
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71

**UNION CARBIDE
NUCLEAR COMPANY**
A Division of
Union Carbide And Carbon Corporation
Post Office Box Y
Oak Ridge, Tenn.
RETURN POSTAGE GUARANTEED

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



THIS PICTURE MAY NOT BE AS SHARP as some photographs of the famous Smoky Mountain bears, but B. E. Reneau, Electrical Maintenance, had an understandable urge to be elsewhere as soon as possible after snapping this picture of a Mama Bear eating the Reneau picnic lunch recently—see story below. The picture took second prize in the Y-12 Photographic Contest for the week of August 10.

Y-12 Man Wants No More Part Of Bears Despite Politeness Of Thieving Bruin

It makes no difference to B. E. Reneau, electrician in the Y-12 Electrical Maintenance Department, if that Big Mama Bear he encountered in the Smokies while on a picnic recently was a perfect lady bruin—that she was dainty in robbing the Reneau party of a carefully prepared lunch—or that with real cunning and true motherly care she carried away part of the lunch still wrapped up to feed her two cubs a short distance away.

Reneau doesn't want any closer negotiations or acquaintanceship with bears.

After a leisurely drive across Newfound Gap that July morning, Reneau related how he, his wife, Fannie; daughter Carolyn, 15; and a niece Johnnie Wade, 13; picked out a pleasing picnic site at a regular roadside spot provided by the state of North Carolina. The usual picnic lunch was unpacked and spread attractively on a tablecloth.

Mama Bear Just Waited

The proceedings went along smoothly enough until the appetizing aroma from the victuals permeated the surroundings. Probably Mama Bear had been awaiting just such happenings—for she ambled quietly out from a clump of trees not more than 10 feet away and, pointedly ignoring the mere humans, went about the business of appeasing her hunger.

The feminine members of the Reneau party beat a hasty retreat, but the Y-12er managed to swing his camera into action at a distance of not more than six or seven feet to take the picture shown above. Then remembering that discretion is the better part of valor—or photographic opportunity—Reneau joined them.

Carried Cookies To Cubs

The Y-12er vows that Mama Bear consumed every bit of the picnic lunch previously unpacked—including three-quarter pounds of cheese, a can of pork and beans and other items tasty to bears. Then Reneau tells how Mama Bear daintily picked up an unopened package of cookies and walked calmly away to serve them to her two progeny about 100 yards away.

All of this action was done before an avid aggregation of around 100 spectators that quickly assembled to watch Mama Bear



"LEAP YEAR" is the title of this cute picture of feminine boldness that took first prize in the Y-12 Photographic contest for the week of August 10. It was made by Dave Alford, Beta Two, with the principal characters being his daughter, Lindsay, two and one-half years old, making with the woo for Gene Woody, a youngster of only 19 months.

carry out her deprivations. Reneau declares the big bruin was too well mannered to growl at him—the host at the party—but uttered throaty protests if other members of the audience made advances. That, the Y-12er says, is real good bear manners.

The Reneaus ate their picnic lunch at a restaurant at Cherokee, N. C.

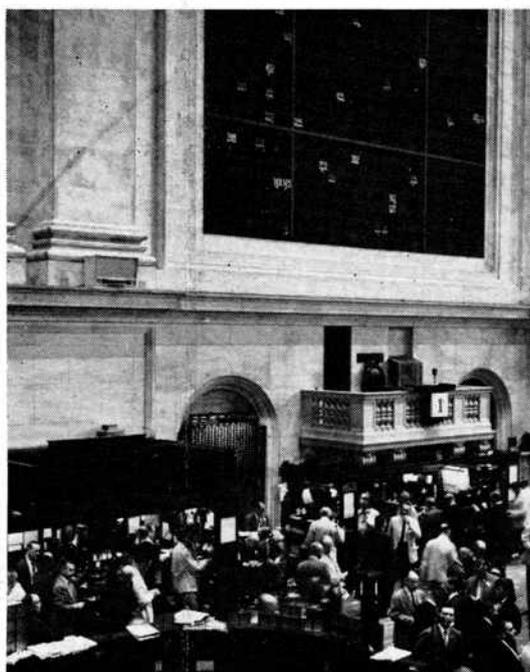
An efficiency expert asked a man in a plant:

"What do you do?"

"Nothing," was the reply.

The expert strolled down a hall—asked and received a similar answer from another man.

"Aha," he said, "this duplication has got to stop."



AT LEFT ABOVE IS THE GIANT SCOREBOARD used in the New York Stock Exchange to notify members when they have orders to buy or sell waiting. Each member has a number that is flashed on the board and called



out over an annunciator system. At right brokers are "horse trading" with each other over buying and selling orders of stock. Notice "UK" (Union Carbide) stock quoted on top panel in center.

Mitchel, Tibbatts Regain Golf Lead

The George Mitchel and Nelson Tibbatts team in the Y-12 Plant Golf League at Oak Ridge, jumped back into first place last week by handing the McLendon-Underwood duet a six point whitewash defeat. A similar trimming was handed Ratjen-Snyder by Smith-Bartholomew. Harris and Gillen took five points from Orrison-Saylor. Even splits of three points were gained by Boyd-Oliphant and Holzknacht-Peckman and by Patterson-Peterson and Hines-Emler. The top scratch and handicap scores of the week were Bartholomew 42-34, Peterson 42-34, Boyd 41-35 and Holzknacht 43-35.

Team	W	L
Mitchel-Tibbatts	29½	12½
Boyd-Oliphant	28	14
Hines-Emler	24½	17½
Patterson-Peterson	23½	18½
Holzknacht-Peckman	22	20
Smith-Bartholomew	21½	20½
McLendon-Underwood	17½	24½
Harris-Gillen	17	25
Ratjen-Snyder	16	26
Orrison-Saylor	10½	31½

Fall By Painter Results In 24th Disabling Injury

A fall by a painter last week resulted in the 24th disabling injury of the year in the Y-12 Plant Area. These 24 injuries include two fatalities.

The Safety Department report states "At 3:15 p.m., August 14, a painter in the Buildings and Grounds Department was standing on a pipe while painting. In stepping down from the pipe to a concrete floor his foot either slipped or hung on the pipe, causing him to lose his balance and fall to the floor. He suffered lacerations on the back of the head and soreness in his back. Although returning to work the next day, he was unable to report later and the injury was classified as disabling on August 17."

The man will be confined to his home for about one week.

Y-12er Cast In Dual Role In Baptist Church Play

Ernie Cofield, of the Y-12 Development Operations Department, will have a leading role in the first presentation by the newly organized drama group of the First Baptist Church of Oak Ridge, scheduled for Sunday night, August 26. Curtain time is 8 p.m. and all Y-12ers and the public are invited to attend the performance.

The play to be staged is "Cry, The Beloved Country," from a novel by Alan Paton. The story has a setting in South Africa and Cofield is cast in a dual role in the play.

How Stock Of Union Carbide Is Bought, Sold On New York Exchange Described For Y-12ers

Continued on Page 4

now relayed to the member on the floor (probably as a 100 - share order—as other purchase orders are added). Quickly, the representative takes the order and goes to the post (one of those islands) where Union Carbide stock is traded.

Around the post are knots of men trading various stocks. Posted on the side of the booth are the latest sale prices for Union Carbide and other stocks. The representative sees that the last price for Carbide was 116¾ or \$116.37½ (116.3 as it appears on the booth) per share. Because he knows the complete price, he can dicker in the remaining fractions—a sort of verbal shorthand. Why dicker in eighths of a dollar rather than nickels and dimes? No one knows for sure, but it may be a holdover from the time when change was made by chopping Spanish dollars into halves, quarters or "pieces of eight."

Broker Plays Caggy

When the broker gets to the trading post he plays caggy and finds out how Union Carbide stock is doing, without revealing whether he intends to buy or sell ("How's Union Carbide?"). One man in the group immediately answers ("A quarter, a half"). This means that the lowest any-

one is willing to sell for is 116½ or \$116.50. The highest anyone is willing to pay is 116¼ or \$116.25.

Now he can either accept the asking price or try to horse-trade for a lower one. For every eighth he can bring the price down, he saves you and the other people buying this particular 100 shares \$12.50. He offers to buy in between the asking and selling price ("Three-eighths for a 100"). His horse-trading is successful—the member with the sell order comes down to his bid price and the sale is made ("Sold 100 for ¾") at \$116.37½ a share.

Bargains Made Orally

The bargain is struck orally—each man simply writes down the name of the stock, its price, and the name of the broker and reports the information to his firm. The seller informs an exchange reporter standing nearby, who writes down the information on a slip of paper and gives it to a carrier page. The page then sends the slip of paper upstairs to the ticker room through a pneumatic tube. Upstairs, the sale is translated into ticker-tape code. "UK" is the code for Union Carbide and 116¾ is the sale price.

Five minutes after the broker places the buy order, the purchase is completed and the results are announced on ticker tape all over the country. After a short while the stock certificate is mailed to the local brokerage firm or directly to the purchaser's home.

These steps are accomplished thousands of times each day as millions of stocks are purchased and sold. Steps triggered by people all over the country who decide to invest in the future of some company while planning a more secure future for themselves.

Hart, Zupan Hold Lead In Horseshoes

Hart and Zupan held their lead in the Y-12 Horseshoe Ladder last week by repulsing the challenge of Kendig and Coley. The Kendig-Coley team, however, broke even for the week by defeating Beckett and Smith. Then Beckett and Smith turned around to lick Gillihan and Whitaker.

Ladder standing as of last Friday follows:

- Hart and Zupan
- Horton and Hackett
- Kendig and Coley
- Beckett and Smith
- Moses and Vermillion
- Gillihan and Whitaker
- McGinnis and McCoig
- Hawk and Lewis
- Ragsdale and Keys
- Rapier and Toney
- Haggard and Smith
- Simmons and Davis

Rides Wanted, Offered

Car pool member wanted from Maryville-Alcoa vicinity to East, North or Central Portal, straight day. C. E. Prather, plant phone 7374.

Ride wanted from Oral community, Knoxville-Kingston Pike, to North or East Portal. J. W. Rule, plant phone 7077.

Ride wanted from Bookwalter Section on Old Central Ave. Pike, Knox County, to North Portal, straight day. C. M. Wilson, plant phone 7-8314, home phone 6-3086, Knoxville.

One car pool member wanted from Washington Pike, Valley View Road, Knoxville, to East Portal, straight day. Mildred Reynolds, plant phone 7194, home phone 4-7317, Knoxville.

Ride wanted from 1111 Kenyon Ave., Knoxville, to West Portal, H Shift. J. A. Cox, plant phone 7-8487, home phone 3-6896, Knoxville.

Want to join car pool from vicinity Jefferson and Illinois Ave., Oak Ridge, to Bear Creek Portal, straight day. Mary Jo Otten, plant phone 7395, home phone 5-5092, Oak Ridge.