

Union Carbide Sales Break Records In '63

Corporate Business Up For Fifth Year In Row

Union Carbide Corporation's sales in 1963 set a record for the fifth consecutive year, Birny Mason Jr., president, reported recently in a statement. Sales were \$1,668,188,000 compared with sales of \$1,630,681,000 in 1962. Earnings for 1963 were \$160,172,000, or \$5.32 per share, including 15 cents per share realized from the sale of three Visking polyethylene film plants. Net income in 1962 was \$159,825,000, or \$5.31 a share, included 20 cents a share capital gain from the sale of the Pyrofax gas business.

President Mason stated that during 1963 encouraging gains were achieved in the volume of products sold in almost all of the areas of Union Carbide's business, although average selling prices declined for the fourth year in a row. He noted, however, that price erosion appeared to have lessened at the year's end, and there was less unused plant capacity in many of the corporation's divisions.

He stated further that Union Carbide's heavy investment in research during past years is generating new products and new business opportunities, and that expenses encountered in developing these ventures will continue to be among the major factors affecting current earnings.

Union Carbide Declares 90 Cents Dividend

The board of directors of Union Carbide Corporation has declared a quarterly dividend of ninety cents (90¢) per share on the outstanding capital stock of the corporation payable March 2, 1964, to stockholders of record February 7.

This was the same as the last quarterly dividend paid December 2, 1963.

Instrument Society Sets 'What's New' Series

The Oak Ridge Section of the Instrument Society of America begins its "What's New" series of lectures tomorrow. R. W. Schede, Y-12's Laboratory Development, will discuss "Gas Lasers and Some of their Applications."

The lecture is set for 7 p.m. tomorrow, Thursday, February 13, in Room A-145 at the Oak Ridge High School.

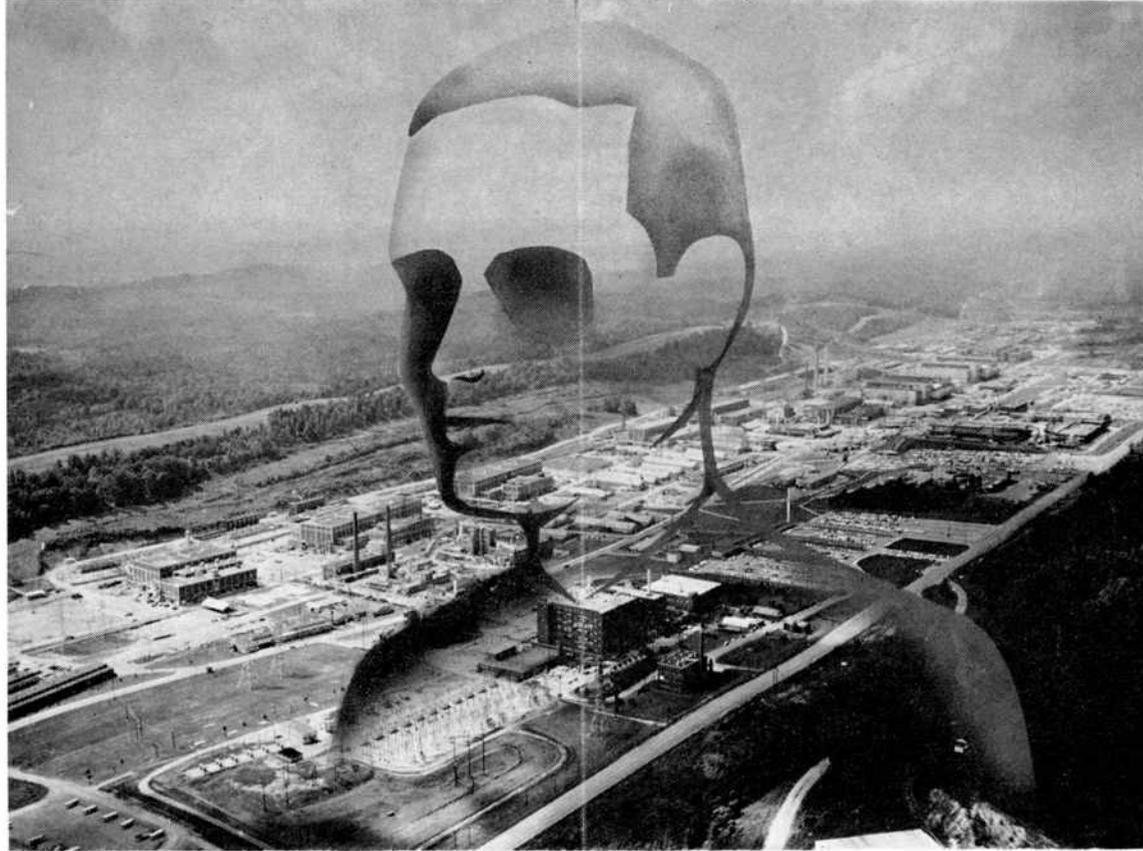
Any interested party is welcome to attend the lecture.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated Seven Days Or 226,000 Man-Hours (Unofficial Estimate) Without A Disabling Injury Through February 9 Phone 7755 For Daily Report On Accident-Free Hours

Typical Y-12er Wiends Terrific Impact On His Community

* * * * * 51459 * ORNL *



PRESENTING THE TYPICAL Y-12er, almost. A composite employee is pictured in the accompanying text. Y-12 employees exert a terrific impact on outlying communities. For instance, in 1963, approximately \$42,000,000 in payroll alone went to Y-12 homes to boost the economy of the area.

Composite Employee Is Good Citizen Wherever He Lives

Almost everyone knows that Y-12 was built in 1943 to produce enriched uranium by the electromagnetic process. This tremendous undertaking, requiring a capital investment of more than 400 million dollars, had an employment peak of 22,000 people. The plant produced the uranium for at least one bomb prior to being superseded by the more efficient gaseous diffusion process. Since that time, Y-12 has converted to a development engineering and manufacturing organization.

The large installation, one of the state's biggest manufacturing plants, occupies approximately 500 acres. The plant is two and one-half miles long and about one-half mile across, containing over one hundred buildings with a combined floor space in excess of four and one-half million square feet.

The name Y-12 immediately brings to mind words like "can do" or "lightning schedules." Or as the Atomic Energy Commission has stated about the plant, "The capability and versatility of Y-12 are now proven assets to the United States nuclear energy effort. As the highly skilled personnel of Y-12 continue to perform difficult production and engineering development jobs, frequently on lightning schedules, they add immeasurably to the nation's defense posture while at the same time advancing the peaceful application of the atom."

The Complex Of Y-12

The plant has a total payroll of about 5,500 people engaged in many engineering, fabrication and chemical operations. The principal activities include the production of enriched uranium metal from uranium hexafluoride, the manufacture of parts for atomic weapons, the recovery of enriched uranium, and the fabrication of experimental components in support of other AEC installations. Y-12 also has the capability for the large-scale separation of lithium isotopes.

Local residents in the early days often referred to the highly secret plant and other developments here as "The Project," in preference to the more official title "Clinton Engineer Works."

So much for the plant... what about the individual Y-12er? What is he like? What is one employee among the approximate 5,500 that daily do their assigned tasks? With the aid of electronic computing machines, and a recent speech by Y-12 Plant Superintendent Roger F. Hibbs, the following interesting data were amassed on a typical employee.

Y-12ers Get Younger

A youngster among industrialists, Mr. Y-12er averages 41.7 years of age. Surprisingly enough the average age of employees has dropped in the past few years. (A quick explanation of this is that younger employees have

Continued on Page 4

Concordia Choir To Sing Sunday

An outstanding musical event will take place in Oak Ridge Sunday with the appearance of the world-famous Concordia Choir. Making its fifth appearance in Oak Ridge the group of singers will open their concert at 8:15 p.m. Sunday, February 16. The concert is scheduled at the Oak Ridge High School.

Director of the choir is Professor Paul J. Christiansen, head of the department of music at Concordia College, Moorhead, Minnesota. He is the son of the renowned F. Melius Christiansen. Arrangements for the local concert are under the direction of E. G. Struxness, Oak Ridge National Laboratory.

The 65-voice group won wide acclaim on a recent world tour which saw them in concert in Norway, Holland, Germany and Austria with special concerts at the Brussels World's Fair and the Vienna Music Festival.

Singing a capella, the choir will present a program ranging from 16th century classics down through the Bach era to the contemporary masters. Several favorite works by the director's father will also be heard.

Many Y-12ers are actively promoting this outstanding concert.

A DULL RED

"Marxian Socialism must always remain a portent to the historians of Opinion — how a doctrine so illogical and so dull can have exercised so powerful and enduring an influence over the minds of men, and, through them, the events of history." Lord Keynes

ORNL's Zucker Speaks To ASME Tomorrow

Dinner Meet Set At Holiday Inn



Alexander Zucker

The Oak Ridge Subsection of the American Society of Mechanical Engineers will meet tomorrow, Thursday, February 13. The dinner meeting will be held at the Holiday Inn, Oak Ridge, with the meal beginning at 7 p.m. The technical session will begin at 8 p.m.

Featured speaker will be Alexander Zucker, associate director of Oak Ridge National Laboratory's Electronuclear Division. He attended the Civil Defense Study sponsored by the National Academy of Sciences last year at Woods Hole, Massachusetts.

The ASME meeting is open to the public. Those unable to attend dinner are welcome to attend later and hear Zucker's address.

Lost-Time Injury Mars Second Longest Period

The second longest string of accident-free days in Y-12 ended Sunday, February 2, when the first lost-time accident of 1964 occurred. An employee in Uranium Chemistry fell on a flight of metal steps, injuring his shoulder. He was hospitalized with bruises and muscle spasms in the shoulder and back. He will be hospitalized for a few days.

The accident terminated a 277 day-period, or 8,814,000 man-hours enjoyed by the plant since the last disabling injury. The previous disabling injury came to Y-12 on April 30, 1963.

The longest stretch of accident-free time in Y-12 was from December 11, 1959 through October 16, 1960 for a total of 311 days or 10,307,000 man-hours.

Correction

With the Bulletin's usual penchant for the use of superlatives, it was reported last week that Y-12's Credit Union is now the largest in the state of Tennessee.

For the sake of accuracy, it must be pointed out that there are three... possibly four in the state larger. Kingsport, Chattanooga, Nashville and Old Hickory all boast credit unions larger than Y-12's. These, however, are not federally chartered. They either have local or state charters. Y-12's is the largest federal one.

A SPADE A SPADE

There is a certain blend of courage, integrity, character and principle which has no satisfactory dictionary name but has been called different things at different times in different countries. Our American name for it is 'guts.'... Louis Adamic

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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James M. de Forest Dies February 4

The General Machine Shop was saddened last week by the death of James M. de Forest. He came to Y-12 June 21, 1954, and lived at 124 Highland Avenue, Oak Ridge. Mr. de Forest died Tuesday, February 4.

He is survived by his wife Mrs. Muriel de Forest, a daughter Judith de Forest, at home; a son, Roy de Forest, with the United States Army. His father Roy L. de Forest, Pensacola, Florida; and brothers, Miles de Forest, Dalton, Massachusetts; and Jerome de Forest, East Hartford, Connecticut, also survive.

Funeral services were held at the Martin Funeral Home, Oak Ridge, at 10 a.m. Thursday, February 6, with the Reverend Thomas Woodley officiating. Burial followed in the Anderson Memorial Gardens.

Sincere sympathy is extended to the de Forest family.



J. de Forest

Ride wanted from Delmar Circle, Oak Ridge, to Central Portal, straight day. R. L. Jennings, plant phone 7544, home phone Oak Ridge 483-3864.

Car pool members wanted from West Haven section, Knoxville, to any portal, straight day. J. R. Hutter, plant phone 7-8347, home phone Knoxville 525-0929.

Ride wanted or will join car pool from Amherst Lane, Oak Ridge, to North Portal, straight day. E. H. Mowery, plant phone 7-8268, home phone Oak Ridge 483-9307.

Car pool member wanted from vicinity of Cedar Lane, Fountain City, to North Portal, straight day. W. O. Chandler, plant phone 7-8921, home phone Knoxville 687-1527.

Ride wanted from 136 Vandalia Road, Oak Ridge, to North Portal, straight day. Glen R. Walls, plant phone 7-8381, home phone Oak Ridge 483-1561.

KILL THE OLE RED ROOSTER

"Horace, tomorrow is our Silver Wedding Anniversary. Don't you think maybe we should kill a chicken?"

"Now, Martha, let's don't go blaming a poor chicken for something that happened 25 years ago!"



TV commercials seem to be designed especially for either people with upset stomachs or those with a lot of dirty laundry. Since we have neither, let's pass TV up. Anyone for fiddlesticks? Around Y-12 they're telling in

ENGINEERING



Lisa and Angela

How about these two dolls? ... that's Lisa Marie and Angela Gale Schrader. Their parents can be truly proud of these two delightful young ladies. Dad Wayne is with Tool Engineering's Tape Control.



Stacey Anne Burger

Seems as if daddy took too long to get the camera ready during the holidays, so Stacey just took a nap. Pictured beneath the family tree at the Ted Burger, Tool Design, home is little Stacey Anne, the current pride and joy.

Returned from a sunny vacation in Miami is John Hill.

Helen Long is host to her sister who has forsaken the balmy Florida weather to visit Tennessee and Virginia.



Bucky Hensley

And presenting another future engineer ... just look at that strength. (It says here in fine print that the above is trick photography!) ... He is little Wal-

ter Hensley III, or Bucky, grandson of Walter Hensley, Tool Engineering ... and Marie Hensley, Instrument Engineering. He's only six months old. That's papa Walter Hensley Jr., the protective onlooker.

Teacher: Not only is he the worst behaved child in school, but he has a perfect attendance record!

FABRICATION



Jerry Ausburn Anderson

Presenting the newly adopted son of the A. B. Andersons. Little Jerry Ausburn Anderson is just eight months old and papa says he is cutting teeth. He also tells a lot of other things about him ... all braggingly, of course. The young son's father is in Y-12's A-1 Shop, 9212.

The automobile is fast dividing the human race into two classes ... the Quick and the Dead!

INDUSTRIAL RELATIONS Security reports that W. E. "Bill" Davis is recuperating nicely after surgery last week. All Bill's friends send cherry "hellos."

Deepest sympathy is extended to Ann Rackley in the death of her mother in Texas.

Fire and Guardsmen vacationing this week include C. E. Alcorn, G. F. McPherson, and A. J. Ballinger.

Get well wishes soon go to M. T. Barker, E. J. Kendrick, F. L. Roberts and G. H. McGrath.

The winter winds return ... let's flee!

Cicero Gave Timely Errors Made By Man

The six mistakes of man, written by Cicero, more than 2,000 years ago, are still true today. The Roman philosopher and statesman said man's six mistakes are 1. The delusion that individual advancement is made by crushing others; 2. The tendency to worry about things that cannot be changed or corrected; 3. Insisting that a thing is impossible because we cannot accomplish it; 4. Refusing to set aside trivial preferences; 5. Neglecting development and refinement of the mind, and not acquiring the habit of reading and study; 6. Attempting to compel other persons to believe and live as we do.

Technical Societies Observe Engineers' Week Feb. 16-22

February 16-22 is designated as "Engineer's Week." This is sponsored by the National Society of Professional Engineers. Oak Ridge, Knoxville, Maryville-Alcoa, and surrounding area engineering societies will participate in special events marking the week. These will include the American Society of Tool and Manufacturing Engineers, the American Institute of Chemical Engineers, the American Society for Metals, the American Society of Mechanical Engineers, the American Welding Society, the Institute of Electrical and Electronic Engineers, the Instrument Society of America, the Tennessee Society for Professional Engineers, and the Technical Societies Joint Council, as well as the Society for Nondestructive Testing.

Welding Society Sets Important Meeting At Deane Hill Country Club, February 14

The Northeast Tennessee Section of the American Welding Society meets Friday, February 14, at the Deane Hill Country Club, Knoxville. The dinner meeting will begin at 6:30.

Fred L. Plummer, AWS Executive Director, and Clarence E. Jackson, president, will discuss "Welding in Tomorrow's Technology."

For 17 years Fred Plummer was director of engineering for the Hammond Iron Works and general manager of Hammond Latina Americana Construction Company. He also headed a group of engineers sent to Japan by the United States Army, following the outbreak of the Korean War. He holds degrees from Ohio University and the Case Institute of Technology.

Clarence E. Jackson was given the Distinguished Civilian Service Award in 1945 by the Secretary of the Navy. He was a representative on Mission 250 of the Organization of European Economic Cooperation in 1955, in Europe, under the sponsorship of the Welding Research Council and Ship Structures Committee. He received the Samuel Wylie Miller Memorial Medal in 1956 and delivered the Adams Memorial Lecture in 1959. He has traveled extensively in Europe and Russia, and was guest lecturer for the Australian Welding Institute, Sydney, Austria, in 1961.

Jackson, who is now associate manager of Electric Welding Development of the Linde Division, Union Carbide Corporation, Newark, New Jersey, is a graduate of Carleton College.

Members of the AWS should make a real effort to attend this important meeting. Guests are welcomed also. Reservations are being handled in Y-12 by H. B. Harlan, extension 7646.

Forest Ranger, Pat Was Only Teasing!

Davey Crockett and D. Boone had better look to their honors. M. L. Patterson, Y-12's Machine Maintenance, had to take a week off to rest up in the state of Florida, after a recent bear escapade up in the Smokies. While on a family outing there recently, Patterson was warned by a friendly tourist not to eat at a certain picnic place ... the bears would eat his lunch.

"Not my lunch," he answered, spreading his spread anyway.

Sure enough, here came the bears. Pat picked up a handy eight-foot hickory pole and whopped the bear and the bear really flew. He says D. Boone couldn't even hold him a light to go by!



Plummer and Jackson



Another sextet joins the illustrious ranks as 20-year veterans with Union Carbide Corporation. More celebrate 10-year anniversaries. Congratulations.

20 YEARS

Roy R. Chilcoat, Buildings, Grounds and Maintenance Shops, February 14.

Robert H. Clary, Research Services, February 14.

James A. Martin, Ceramics and Plastics Development, February 15.

Nellie M. Parks, Superintendents, February 16.

Clyde T. Russell, Salvage, February 16.

David H. Treece, Cafeteria, February 17.

10 YEARS

Fred Harris, Secondary Quality Control, February 15.

Oather J. Draughn, Research Services, February 15.

Carl F. McLarrin, Dimensional Inspection, February 15.

Charles T. Perry, Chemical Services, February 15.

Everett F. Gambill, Secondary Quality Control, February 15.

Herman H. Reno, Buildings, Grounds and Maintenance Shops, February 15.

Ivan T. Pyle, Assembly Operations, February 16.

Cecil N. Cook, Quality Assurance, February 17.

Lawrence L. Ellis, A-1 Shop, February 17.

Loose talk is poison.

Independents, Metals Ceramics Take Basketball's Top Crowns

Two Oak Ridge National Laboratory teams finished the Basketball League tied for first-place . . . the Independents and Metals and Ceramics, each with seven wins . . . one loss. Y-12's Atoms came in third with six wins . . . two losses.

Monday's games, all first half ones, began with an upset as

E League Bowling Leaders Keep Lead Alley Bees And Cannonballs Stay Put

The two leading teams in Y-12's E League bowling crowd took four point wins last week. The Cannonballs downed the Four Squares and the Alley Bees overcame the Pintwisters. The Pinquins took three points from the Ten Pins.

Individual highs went to almost everyone in the league . . . J. Williams, Alley Bees, had high single scratch game with 200. His single handicap game was a three-way tie with R. Ellison, Cannonballs, and J. Johnson, Pinquins. Fred Rosko, Pintwisters, took high scratch series of 525. Ellison returned to the board to capture high handicap series with 674.

The Alley Bees took most team honors, rolling singles of 662 scratch and 811 handicap. Their series in scratch play was 1926, high also. The Cannonballs took high series in handicap count with 2388.

League standings follow:

Team	W	L
Cannonballs	13	3
Alley Bees	10	6
Four Squares	9	7
Ten Pins	8	8
Pinquins	6	10
Pintwisters	2	14

'66' Raiders Take Early Bush Bowlings

Bush bowlers got new kingpins last week as the '66' Raiders raided their way into the winning circles, taking three from the Hi Balls. Other three pointers went to the Seven Sixties over the Dry Hides, and the Rusty Five over the Turtles. The Outcasts-Rollniks, and Rollmasters-Bearers tilts ended in draws, each team sharing two.

Bill Helton, Turtles, almost swept the individual boards, rolling singles of 254 scratch, 284

Y-12's Rebs defeated the Atoms 44 to 39. The big Atoms just fizzled out, starting cold. The Rebs started hot, but finished cold. Mahaffey led scoring on the winning side with 14 . . . Jim George took 16 for the losing Atoms.

Two ORNL teams clashed next as the Metals and Ceramics boys defeated the Fearless Five to the tune of 52 to 46. M & C built up a good lead then held onto it. Carter led the winners with 16 and Finch finished for the Five with 13.

Y-12's Peons edged by ORNL Cell Four 26 to 25 in Monday's final action. As the scorekeeper stated, "This was a case of two cold teams trying to see who could out-freeze the other." Fralola led the winning squad with eight through the basket . . . Wright had six.

Wednesday's action started as the Atoms trimmed the Analytical Chemistry crowd by the lopsided score of 71 to 30. Jim George hit 21, Carlos Brooks took 15, and Bob Culton tallied 13 for the winning squad. The A & C crowd featured Jim Wike with eight.

Y-12's Rebels lost their initial game in the second half to the Metals and Ceramics boys 43 to 14. Jim Carter led the winners, as usual, with 21 points. Pugh took 14 for the losing Rebs.

1st half final standings:

Team	W	L
Independents, ORNL	7	1
Metals and Ceramics, ORNL	7	1
Atoms, Y-12	6	2
All Stars, ORGDP	5	3
Fearless Five, ORNL	4	4
Rebels, Y-12	4	4
Peons, Y-12	1	7
Analytical Chemistry, ORNL	1	7
Cell Four, ORNL	1	7

handicap . . . and series in scratch of 568. Joe Mason, Rollniks, took series handicap highs with 669.

The Rusty Five took scratch honors, rolling singles of 886 and series of 2468; while the Rollniks took handicap highs with singles of 1038 and series of 2868.

League standings follow:

Team	W	L
'66' Raiders	7	1
Outcasts	5	3
Rollniks	5	3
Seven Sixties	5	3
Dry Hides	4	4
Rusty Five	4	4
Hi Balls	3	5
Rollmasters	3	5
Turtles	2	6
Bearers	2	6



FRANK RAGSDALE VISITED recently in Cherokee, North Carolina . . . swapping tales with his ancestors. He found that he isn't a chief, after all, just another Indian! That's a mighty fancy looking tepee you got there on your pick-up, Frank!



PRESENTING THE BIG WASPS IN THE CLASSIC LEAGUE . . . bold and brave, all of them. From left are J. D. Davis, Lloyd Wakefield, F. K. Clabough, Captain R. P. Wallace, W. C. Hoppe and H. J. Ratjen.

Markers, Bumpers, Has Beens Leaders In Classic Bowling

Fancy alley-work was the word last week in the Classic League for Y-12 bowlers. Frank Tiller, Tigers, burned the hardwood up with a clean sweep in individual honors. His single scores were 247 scratch, 270 handicap . . . and series of 625 scratch, 694 handicap . . . WOW! The Tigers swept the board likewise, taking singles of 917 scratch, 1055 handicap . . . series of 2668 and 3070.

The Playboys downed the Cubs for four . . . as did the Splinters over the Smelters. Three point wins went as the Bumpers took the Rippers, the Has Beens blasted the Markers, the Tigers tamed the Wolves, the All Stars ousted the Rebels, the Wasps whipped the Swingsters and the Screwballs belted the Eightballs.

League standings follow:

Team	W	L
Markers	22	6
Bumpers	21	7
Has Beens	20	8
Tigers	17 1/2	10 1/2
Rippers	17	11
Swingsters	16	12
Playboys	16	12
Wolves	15	13
All Stars	14 1/2	13 1/2
Wasps	12	16
Smelters	11	17
Rebels	11	17
Splinters	10	18
Screwballs	9	19
Eightballs	7	21
Cubs	5	23

Mixed League Teams Still Holding Own

Top dogs in the Y-12 Mixed Bowling League held their own last week. The Cool Cats split two points with the Phantoms, and the Goofers split two with the Scrappers. The Alley Cats won three from the Pin Plasters, while the Ghosts took an easy four-point victory rolling blind.

Irene Carmack, Cool Cats, took the high single game in scratch among women with a 174. Linda Montgomery, Scrappers, rolled a 226 handicap game. Nancy Garrison, Ghosts, rolled high series, scoring 433 scratch and 583 handicap. Among male bowlers it was Charlie Gillihan, Ghosts, with a single game of 194 scratch and 222 handicap. W. B. Stephens, Goofers, took high series in scratch with a 539 . . . and W. C. Smith, Alley Cats, rolled a high series in handicap with a 615.

The Goofers took most team honors rolling singles of 670 scratch, 823 handicap . . . and series in scratch play of 1760. The Ghosts crept in for honors on handicap series with 2243.

League standings follow:

Team	W	L
Cool Cats	14	6
Goofers	13	7
Alley Cats	12 1/2	7 1/2
Ghosts	11 1/2	8 1/2
Phantoms	10	10
Scrappers	10	10
Pin Plasters	9	11

There is no holiday for security.

Rodders Break Tie For C League Top

Sunflowers' Gaylor Takes Series Highs

After weeks of ties for first place the C League bowlers finally got a leader last week. The Rodders, by virtue of their three point win over the Parbusters, moved into the lead by one point. Four point sweeps went to the Five Roses over the Hi Lifers and the Lucky Strikes over the Hookers.

Other three point victories went to the Strikers over the Shud-A-Beens, the Sunflowers over the Rounders and the Big Five over the Screwballs.

Arnold Tiller, Rounders, repeats in the winning circle with a high single scratch game of 225. C. V. Jenner, Lucky Strikes, rolled high handicap game of 250. C. Gaylor, Sunflowers, took series highs with scratch totals of 582 and handicap tallies of 645.

High singles in scratch went to the Sunflowers who rolled 901. The Rodders took high handicap singles with 1033. The Rounders came through with series of 2529 scratch and the Sunflowers returned to the boards with series of 2978 handicap.

League standings follow:

Team	W	L
Rodders	16	8
Rounders	15	9
Shud-A-Beens	15	9
Hi Lifers	14	10
Strikers	14	10
Sunflowers	13	11
Five Roses	13	11
Lucky Strikes	12	12
Hookers	10	14
Big Five	10	14
Parbusters	6	18
Screwballs	6	18

Y-12 Beavers, Eagles Win In Volleyball

Two additional make-up games got played in the Volleyball League last week in first-half play. The Scrubs downed the Six Pots, both ORNL, for two games 15-10, and 15-13. The Six Pots took one 15-6. The big team, Set-Ups, took the Old Men, both also from ORNL, for three 15-9, 15-8, and 15-5.

Games resumed in the second-half schedule as the Champs, ORNL, downed the Six Pots for three, 15-1, 15-4, and 15-6. Y-12's Beavers defeated the Old Men for three 15-13, 15-7, and 15-7. Y-12's Eagles also shined as they defeated the Scrubs, ORNL, for two, 15-10 and 15-11 . . . and lost one 14-16. Two ORNL teams collided as the Set-Ups overcame the Bums for three 15-2, 15-3, and 15-0.

1st Half Standings:

Team	W	L
Set-Ups, ORNL	16	2
Champs, ORNL	11	3
Old Men, ORNL	11	7
Beavers, Y-12	8	4
Eagles, Y-12	4	14
Scrubs, ORNL	4	11
Six Pots, ORNL	2	16

2nd Half Standings:

Team	W	L
Champs, ORNL	6	0
Set-Ups	5	1
Eagles, Y-12	4	2
Beavers, Y-12	4	2
Old Men, ORNL	3	3
Scrubs, ORNL	2	5
Six Pots, ORNL	1	5
Bums, ORNL	0	6

Where Have All The Squirrels Gone?

Squirrel hunters returning from the woods are all asking the same question this year . . . where are the squirrels? Game and fish authorities say that the late freezes last Spring eliminated a good deal of the bushy-tails favorite food . . . the hickory nut.

Bowling Tournament Looks Like Sell-Out

Another sell-out crowd is promised for the up-coming Y-12 bowling tournament, slated for this week-end.

A total of 33 men's teams are entered for the competition . . . there are 12 mixed doubles, six women's doubles, 12 women's singles . . . 75 men's doubles and 150 men's singles.

Saturday's action begins at 9:30 a.m. with other tilts at 12:15 p.m., 2 p.m. and 6 p.m. Sunday's doubles and singles begin at approximately 10 a.m., 1:30 p.m., 3:45 p.m. and 6 p.m.

Schedules are in the hands of all team captains and should be available to every contestant. Please check your schedule and appear at Ark Lanes at least 15 minutes before you are slated to go. Meanwhile, happy bowling!

Fishing Rodeo Prizes Available In Recreation

Winners of the 1963 Fishing Rodeo, take note. Your prizes are in. The Recreation Office has been bogged down with bowling averages for the past couple of days, and has been unable to contact winners. You may pick up your award in Room 149, Building 9704-2. First prizes are a fly-rod and reel, second prizes are a tackle box and third prizes are live fish baskets.

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UCC Plans Technical Center At Cleveland

Combines Activities On Carbon, Graphite

Union Carbide Corporation will establish a technical center in Cleveland, Ohio, to consolidate its technical and development activities, according to a recent announcement from Birny Mason Jr., president. Motor and generator brushes and mechanical seal rings, now manufactured in Cleveland, will be produced in a new plant in Greenville, South Carolina.

Union Carbide's Carbon Products Division will operate both facilities. J. R. Johnstone, president of the division, said that the technical center should be in full operation by the end of 1965. Work on the Greenville plant will begin in June of this year, with completion scheduled for mid-1965.

The technical center will consolidate the activities of three Carbon Products Division development laboratories now in Niagara Falls, New York; Fostoria, Ohio; and Lawrenceburg, Tennessee. In addition to the consolidation of development activities, those existing departments responsible for division-wide engineering, quality control, and customer technical services will be incorporated in the technical center. The center, when completed, will occupy about 175,000 square feet of space.

Machining Combined

The machining operations of specialty graphite and carbon products, now being done at the Cleveland site, will be combined, in expanded facilities, with the division's other specialty machining operations in Niagara Falls.

Carbon brushes are important components in industrial and railroad motors and generators and in electrical household appliances. Carbon seal rings are used in steam turbines, jet engines, and pumps for industrial and household use.

Many Varied Uses

Union Carbide's Carbon Products Division, formerly National Carbon Company, has pioneered in the fields of manufactured carbon and graphite. Among its many products are the giant electrodes used in electric furnaces; arc carbons used in motion picture photography, and theatre projection, solar simulation and other special lighting; graphite cloth and fibers; and activated carbon. New forms of graphite have been developed for nuclear and aerospace applications. The division also produces special high-temperature refractory materials.

It's the people who are rolling in money that offer the most objections when it comes to the churning process.

Y-12ers To Teach Boat Pilot Course

Y-12 boat owners and operators, wishing to enjoy safe boating through knowledge and "know-how," will be interested in the services and activities of the Oak Ridge Power Squadron.

The primary objective of the squadron is to educate the public in all phases of the proper and safe operation of boats. Twice a year, the Oak Ridge Power Squadron conducts a series of classes which are open to the public at no cost. They run for approximately 12 weeks and are held in the Dry Dock on Emory Valley Road, at the railroad crossing. Subjects covered include: Safety Afloat, Seamanship, Small Boat Handling, Equipment and Government Regulations, Rules of the Road, Aids to Navigation, the Mariner's Compass and Charts, and Piloting, including a special session on river piloting which has a lot of local appeal.

Y-12ers who will be instructing in these courses include Dick Hulmes, Engineering Division; Jim Wakefield, Product Processing; and Gus Angele, Engineering Mechanics.

One of the largest classes ever to take this course has just completed studies, and the next session is set to begin next Tuesday, February 18. The classes, open to men, women and children over 16 years of age, will continue each Tuesday thereafter. Owning a boat is not a prerequisite for the course, and you are not obligated to join the squadron after completing the course. Any of the above Y-12ers will be happy to supply more complete details on any of the courses.

IEEE Meets Tomorrow In Recreation Hall

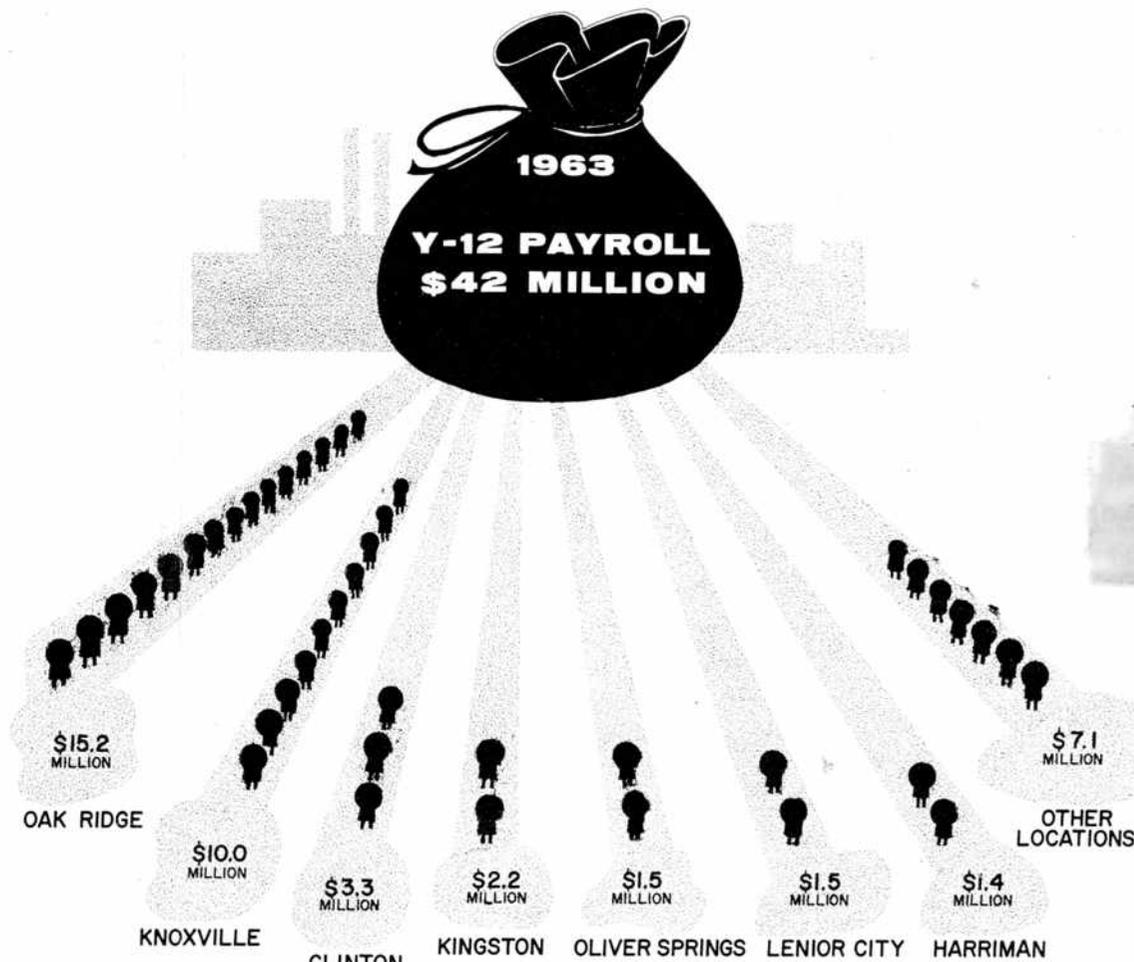
The Oak Ridge Section of the Institute of Electrical and Electronics Engineers will meet tomorrow, Thursday, February 13, in the Ridge Recreation Hall, Oak Ridge. The meeting will begin at 7:30 p.m.

Featured speaker will be Lawrence E. Nickels, project engineer for Allis-Chalmers Manufacturing Company. He will speak on "The Design of 1110 Kilovolt d.c. Power Supply for the Experimental Transmission of d.c."

Block, Physics Division, Leads ORNL Seminar

Robert C. Block, Oak Ridge National Laboratory Physics Division, will lead the seminar Friday. He will discuss "Research with the 30 MeV Electron Linac at Harwell."

The seminar is scheduled for Friday, February 14, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.



A BREAKDOWN OF PAYROLL shows distribution of some of the \$42 million payroll annually that Y-12ers take to outlying communities. Oak Ridge, of course, takes the biggest slice, with Knoxville close behind.

Y-12er's Impact On His Community

Continued from Page 1

been added to the plant rolls in recent years.) Mr. Y-12 also averages slightly more than 10 years company service . . . which means that he is now enjoying three weeks vacation annually.

Oak Ridge and the out-lying communities feel the impact of the Y-12er in his contributions to the economy of the area. In 1963, about \$42,000,000 in payroll was distributed to employees here. The city of Oak Ridge absorbed approximately \$15,000,000 and Knoxville about \$10,000,000 of the payroll, making Y-12 the second largest employer in Knoxville! Clinton absorbed approximately \$3,400,000; Kingston, \$2,000,000; Oliver Springs and Lenoir City, \$1,500,000 each; Harriman, \$1,400,000 and so on. In addition, much of the equipment, material and service for Y-12 is purchased in the immediate area.

Active Good Citizens

Mr. Y-12er is also a good citizen. Two Oak Ridge City Councilmen are employed in Y-12 . . . A. K. Bissell and Harry Francke. A state legislator, David Jennings, also works here. There are countless others who serve in aldermanic positions in Lake City, Kingston, Harriman, etc. Many are members of school boards and county courts. Local churches also boast Y-12ers as leaders among their congregations. Some employees are lay ministers with congregations of their own.

The Y-12er gives his fair share in community responsibilities. With pride, for the past three years, employees have broken their own records in United Fund contributions. There are Scout leaders, Lions' presidents, Civitan and Ruritan leaders, Jaycees' heads, and so the list goes.

Essentially a suburbanite, Mr. Y-12er may just as frequently be living in rural areas. A surprising 63.7 per cent of employees live outside Oak Ridge. An even more surprising 2.5 per cent commute more than 40 miles each way daily to work!

Matchmakers, Take Note

To the matchmakers in this Leap Year are some heartening statistics . . . Although 8.8 per cent of the Y-12 population is single, there is approximately 1.7 single men for each single woman. (A discouraging note might be added here also: naturally there are more men employed than women and the actual count of 'available' is not so one-sided. It boils down to 155 single women . . . and roughly 270 single men.)

A whopping 99.43 per cent of all eligible employees carries group insurance, providing for surviving families. More than 93 per cent of eligible employees are participating in the Union Carbide Corporation Savings Plan, either on a stock or savings bond purchasing plan, or in the General Savings Plan.

Large Credit Union

Y-12ers are thrifty souls, too! Their Credit Union in 1963, with assets over five million dollars, became the largest federal credit union in the state! In fact, there are more Credit Union members than there are employees . . . a fact explainable in that family members may join, and approximately 900 Oak Ridge National Laboratory employees are eligible to join the Y-12 Credit organization.

More than 98 per cent of employees carry hospitalization and medical insurance . . . and 95 per cent of these carry major medical insurance.

Mr. Y-12er is a variable, interesting person. Lunch conversation runs the gamut from the time we saw Roger Maris hit a home-run or maybe to the time we heard Caruso sing in New York (when we were a wee tot, of course.) There are avid stamp collectors, antique auto collectors, gunsmiths, artists, actors, choir directors, gourmets, raconteurs to put George Jessel in the shade (have you ever heard Development Division Superintendent Whitson tell a story?), tall-tale-tellers, fishermen, bowlers, sky-divers, horsemen, chess experts, and you name it, we've got it.

Reasons For Leaving

Y-12ers usually like their jobs, like their fellow employees, and like living in East Tennessee. The vast majority of terminations for 1963 gave as reasons for leaving . . . "returning to school," "to housekeep," etc.

The average Y-12er is far safer at work than he is at home or on the highways. Note that industry averages over six disabling accidents per million man-hours worked. The chemical industry averages 3.3 and Y-12's average for last year was 0.34. In fact, Y-12 is one of the safest plants in the United States, as a result of hard work and good attitudes on the part of employees.

In spite of the use of the exotic materials, high temperatures, moving machinery, corrosive chemicals, high voltage electricity and many other job hazards, Y-12 sustained only four lost-time accidents in 1963. This compares to 46 disabling injuries suffered by employees off the job.

A Job—A Philosophy

This then is a composite picture of you and your fellow employee. With most of his interest centered in his home, the Y-12er is a good citizen in his community, as well as a good employee for his company. He has a job to do, and a philosophy in his home and at work that eliminates the word "can't" practically right out of the English language!

UCC Stock Is Among Top 10 In Preference

Surveys published by the New York Stock Exchange show Union Carbide Corporation among the top 10 of preferred stocks of the country's 1,900 leading financial institutions. The leading 10 preferred companies were General Motors, Standard Oil of New Jersey, American Telephone and Telegraph, General Electric, Texaco, Du Pont, International Business Machines, Union Carbide, Socony Mobil, and Phillips Petroleum Company.