

## 'Peace And Happiness Of Christmas'

It is again my pleasure to extend to every Y-12er a very Merry Christmas. The end of the year is also a good time to take stock of our accomplishments for the past 12 months.



R. F. Hibbs

Y-12 continues to get the job done. It is my firm belief that we will do so again in 1965 and in the years to come. Let us enter the new year with a firm resolve to continue our efforts for our nation's defense, and to bolster our job performances with that extra push that has always been our hallmark.

As you gather with your family, may each and every one of you enjoy the peace and happiness that come with this Season. And may that peace accompany you and yours throughout the coming years.

R. F. Hibbs  
Y-12 Plant Superintendent

## Social Security Hike Not Due Yet

Contrary to the rumors going around, Social Security does not increase January 1. Currently, we are paying three and five-eighths per cent on the first \$4800 earned during the year. Of course, Union Carbide Corporation matches that amount penny for penny.

The next increase is set for January 1, 1966 when the FICA (Federal Insurance Contributions Act) deduction will increase another one-half per cent. (That is, unless the Medicare Bill is passed in the next session of Congress . . . an increase would probably result sooner in that case.)

## EVERYTHING IS RELATIVE

Sign in restaurant: If waiter is rude, you should see the manager!

## Badge Exchange Set For New Year

Y-12ers can begin the New Year in good shape with a new badge with the quarterly exchange rolling around again.

New blue-bordered badges will go up in the self-services racks at the portals at 11 p.m., Thursday, December 31. Employees returning from the long holiday weekend may then pick up their badge, January 4.

The badges will remain in the racks until 11 p.m. on Wednesday, January 13. After that date, no present yellow-bordered badge will be honored at the gates.

## SHEAR PAIN

Asian goats who give cashmere wool are never shorn, but are painstakingly plucked or combed out by hand.



**CITATION: FOR MERITORIOUS CONTRIBUTIONS** and Commendatory Service toward the fulfillment of the mission of the United States Atomic Energy Commission reads the award Clark E. Center received in Washington, D.C., December 11. AEC Chairman Glenn T. Seaborg, right, presents the Union Carbide official the award.



**A PLAQUE RECOGNIZING** the Reactor Division's 14-year existence in Y-12 without a lost-time injury went to the ORNL group recently. From left are Deputy Director of ORNL H. G. MacPherson; R. F. Hibbs, Y-12 Plant superintendent; Robert Helton, Y-12 Safety Coordinator; S. E. Beall, director of the Reactor Division; and W. R. Osborn, superintendent of Engineering and Administrative Services in the Reactor Division.

## ORNL Reactor Division Sets Safety Record

### Group Has Spotless Record For 14 Years

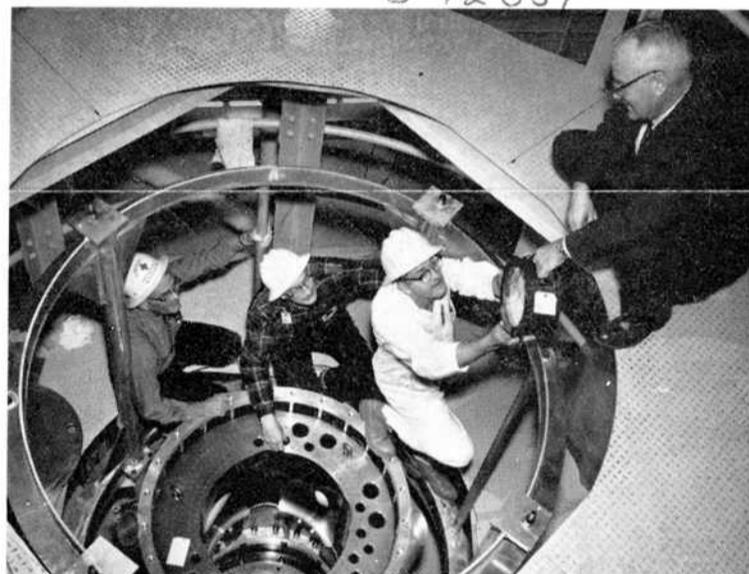
Y-12 recognized an Oak Ridge National Laboratory division's contribution to its safety record recently. The Reactor Division, on December 1, passed 14 years, or in excess of 7,000,000 man-hours without a lost-time injury.

The division was formed in late 1960 from two former divisions, the Reactor Experimental Engineering Division, commonly known as REED, and the Reactor Projects Division. This latter group was an outgrowth of the former Aircraft Nuclear Propulsion (ANP) Division. Although a part of ORNL, these divisions have been in Y-12 since their inception.

The diversified activities of the research group have been no detriment to attaining a superlative safety record through the years. The division is engaged in designing, developing and operating reactors.

Personnel in the division encounter high pressure, very high temperatures, corrosive acids and normal hazards met in a chemical

Continued on Page 6



**A SAFETY CHECK** is made on the interior of a High Flux Radiation Reactor, as Robert Helton passes an instrument down to D. A. Loveday. From left are Ray Clark and W. J. Kelly, also assisting in the safety checks and precision studies made on the assembly stand of the reactor.

## UT Graduate School Offers Winter Courses; Registration Is Set Monday, January 4

The University of Tennessee Graduate School announces its Winter schedule. Registration begins Monday, January 4 and classes commence Tuesday, January 5.

The Winter term will extend through the March 17 graduation exercises.

Winter Quarter courses offered include:

CHEMICAL ENGINEERING 453, Chemical Engineering Reaction Kinetics; 417, Intermediate Physical Chemistry; and 572, Theoretical Inorganic Chemistry.

MATHEMATICS 452, Introduction to Analysis; and 471, Vector Analysis.

MECHANICS 522, Theory of Elasticity.

METALLURGICAL ENGINEERING 592, Metallurgical Thermodynamics.

PHYSICS 322, Mechanics; 372, Introduction to Atomic and Nu-

clear Physics; 452, Atomic Physics Laboratory; 455, Nuclear Physics Laboratory; 462, Gaseous and Solid State; 522, Advanced Modern Physics; 532, Advanced Dynamics; 562, Mathematical Methods in Physics; 643, Advanced Topics in Quantum Theory; 662, Interaction of Electrons with Solids, and 672, Advanced Solid State Physics.

STATISTICS 514, Theory of Least Squares.

ZOOLOGY 112, General Zoology.

ZOOLOGY 571-2-3, Advanced Genetics.

Probable Spring Quarter courses are: Chemical Engineering 331; Chemistry 545, 573, 675; Mathematics 453, 455; Mechanics (A new course in Thermoelasticity); Metallurgical Engineering 593; Physics 323, 373, 451, 452, 453, 463, 523, 533, 563, 643, 663 and 673;

Continued on Page 6

## SAFETY SCOREBOARD

The Y-12 Plant Has Operated 19 Days Or 579,000 Man-Hours (Unofficial Estimate) Without A Disabling Injury

Through December 20

Phone 7755

For Daily Report On Accident-Free Hours

# The Bulletin

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



JAMES A. YOUNG ..... Editor



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*Katy Kutkost*  
**SEZ:**

Even thieves can help save!  
When it becomes absolutely  
necessary to "borrow" a roll of  
tape, don't forget to remove the  
center spool piece and **leave it on  
the dispenser.** "Scotch" will not  
sell replacement spools.

Frank Broome, G-3 Machining,  
had to buy three new dispensers  
this year because the borrowers  
in his area were not cost-conscious.  
If you come across any  
loose spools, send them to Frank.

It's foolish to expect gains  
without pains.

## Christmas Quiz

Test your knowledge of Christmas by trying to answer  
the following questions. The answers are on Page 6.

1. What notable American deed was performed on Christmas in 1776?
2. Who wrote "The Visit of St. Nicholas"—a poem which starts out with the line, "'Twas the night before Christmas when all through the house / Not a creature was stirring, not even a mouse . . .?"
3. Name as many as you can of the eight reindeer mentioned by the poet in "The Visit of St. Nicholas."
4. What three famous gifts did the three Wise Men bring to Bethlehem?
5. Who sent the first Christmas card?
6. What is the title of the story by Dickens in which you read about Scrooge and Tiny Tim?
7. In the language of flowers (according to a Scandinavian myth) what does Mistletoe mean?
8. What does *Vroolijk Kerfeest* mean in Dutch?
9. What is the name of the ancient Roman holiday from which many customs were derived for the celebration of Christmas?
10. Who originated the image of Santa with rosy cheeks, white beard and round belly; Who was the first cartoonist to illustrate Santa?
11. What country gave us the Yule log tradition; What did it symbolize?
12. What was the forerunner of the Christmas tree?
13. Who popularized the Christmas carol as we know it?

### One Solitary Life

Nineteen wide centuries have come and gone and today He is the centerpiece of the human race and the leader of the column of progress. I am far within the mark when I say that all the armies that ever marched, and all

the navies that ever were built, and all the parliaments that ever sat, and all the kings that ever reigned, put together have not affected the life of man upon this earth as powerfully as has that One Solitary Life.

Author Unknown.



**THE NEW AND THE OLD** of the Carbide Camera Club are seen at a recent meeting. Seated are the new officers for 1965 . . . Robert L. Stephenson, Metals & Ceramics Division, ORNL, president; Jeanne Cothron, Maintenance Division, secretary; and J. C. Johnson, Product Engineering, vice-president. In the back row are previous officers H. A. Friedman, outgoing president; Clyde A. Hines, secretary; and Charles M. Bradford, Development, vice-president.



**THE PLANT SHIFT SUPERINTENDENTS**, Utilities and Plant Protection Division chose the Elk's Club, Oak Ridge, as the scene of their Christmas dinner-party held Saturday, December 12. Below and across are some of the scenes from the festive crowd attending the soiree.





A BUFFET SUPPER STARTED the big party for Maintenance on Friday, December 11 . . . as the division rang in the holiday season. Dancing and relative festivities began at 9 p.m. at the Oak Ridge Country Club. Diners, dancers and just plain sitters are seen above. Dave Blessing and his orchestra at left provided ample music for the dance.

Pistol League Opens Firings; Come On In

The Y-12 Pistol League opened its winter season Wednesday, December 16, with the high score for the first night turned in by D. R. Alford, a 260 . . . R. L. Matheny's 256 and G. L. Davis's 250 were very close seconds and thirds. It still isn't too late to come out

and join the fun. There are no fees or expense except the cost of ammunition. Anyone interested in shooting should be at Anderson County Gun Club, Clinton, on any Wednesday night at 7:30 p.m.

Firmness is that admirable quality in ourselves that is merely stubbornness in others.

Holiday Fishing May Bring Awards

You still have time to catch fish and enter them in the 1964 Fishing Rodeo. Any fish caught between now and midnight, December 31, is eligible for the competition.

Deadline for filing the entries is 4 p.m., January 15, however. Photographs must accompany the annual entries, and verification of weight and size must also come with the entry. Recreation has a few blanks left.

Species to bring prizes include largemouth bass, smallmouth bass, striped bass, walleyed pike, sauger pike, crappie, blue gill or and bream, rough fish (cat, drum, carp) and rainbow trout.

So if you plan a fishing expedition during the holidays (brrrrr!) you'd better take along a camera and entry forms. You never can tell!

Atoms Lose Two By Forfeit Route

Y-12's Atoms suffered two forfeit losses in the Basketball League last week, failing to show Monday for their conflict with



"Blast off" to the toy department!

ORINS. Again on Wednesday the Atoms lost to Biology.

No other Y-12 team saw action during the week.

Other games featured the Biology squad in a tight one, winning 34 to 32 over the Fuds.

Metals and Ceramics crushed the K-25 All Stars 58 to 36 in a lop-sided affray Monday. They also opened Wednesday's play by downing Analytical Chemistry 54 to 29. The final game of the week saw the Fearless Five, currently enjoying top slot in the league, win 51 to 43 with Don Wood firing 20 points through the basket.

League standings follow: Table with columns for Team, W, L. Rows include Fearless Five, Metals & Ceramics, All Stars, K-25, Raiders, Y-12, Biology, ORINS, Atoms, Y-12, Analytical Chemistry, Fuds.

Keep Smiling — it makes people wonder what you've been up to.

# J. V. Bolinger Is Last Retiree Of 1964

Beta Two Employee Born In LaFollette

6-12411



James V. Bolinger

The final retirement for 1964 in Y-12 is James V. Bolinger, Beta Two Shop, who has been in the plant twice . . . coming back the last time on March 9, 1955. Born in LaFollette, the retiree worked on his father's Campbell County farm until 1921 when he served a two year hitch in the Army. Various other jobs in Akron, Ohio (General Tire and Rubber Company, and Goodyear Tire and Rubber Company) and Detroit (U. S. Rubber Company) occupied his time until 1928.

In 1928 he became self-employed on his farm in Lake City and Madisonville . . . until 1943 when he came to Y-12 for the first time. He returned to farming in 1945 and worked there until 1952 when he went with Dempster Brothers, Knoxville.

Bolinger owns a 92-acre farm on Emory Road, Knox County, and with his son James operates a small dairy. He plans to devote full-time to the 30-cow dairy (admitting that son Jim would do most of the work).

Married to the former Mabel Wood, the retiree has two other sons . . . Robert and William, in Florida; and daughters Nancy Gordon, Eula Harper, and Willa Ragen. All the other children live in Knox County. The Bolingers also have seven grandchildren.

Good luck, Mr. Bolinger. May the coming years be kind to you.



Ride wanted from lower California Avenue, Oak Ridge, to Central or West Portal, straight day. D. J. Legacy, plant phone 7-8426, home phone Oak Ridge 483-3833.

## San Francisco Got Special Opera Present

Californians got a special Christmas present in 1912. Luisa Tetrazzini, the coloratura soprano, once appalled opera lovers by stating she'd rather sing on the curbstones in San Francisco than in the finest opera house in the world. Good as her word, the Italian opera star, at midnight, began an impromptu open air concert at the city's famous Market Street.

Gout is found most frequently in business executives.



From this corner of the Bulletin a very Merry Christmas to all correspondents, and readers alike. One of the joys of the year is being associated with nice folks. Holiday happenings around the plant include doings in

### MAINTENANCE

**Max Woodward**, Maintenance Administration Services, recently fought the birds of West Tennessee.

Electrical has **J. R. Ownby** and family spending the holidays in sunny Fort Lauderdale visiting relatives, while **B. I. Scott** and the missus will journey further south to Miami.

**R. W. Coker** 'lows he'll be 'homesteading the homestead' and helping his youngest, Mary Helen, to enjoy her first big Christmas. (He didn't want Eddie and Vicky to get ahead of him.)

Lucky vacationers planning to stay home and enjoy the holiday season include **W. S. Arnold**, **V. Lovett**, **B. Cobb**, and **T. D. Bagwell**.

**R. D. Alexander** will head west to visit relatives and might just get in a little squirrel hunting.

Get well wishes go to **W. H. Pool Jr.**, who is recovering from major surgery.

The Pumpshop says that **O. B. Wray** enjoyed a short visit recently with his son, Captain John T. Wray. Capt. Wray was returning to his base at Ft. McArthur, California.

**F. J. Kilpatrick** plans a three-week visit with friends in Virginia. (Hope he had his Christmas shopping done before he left).

Finding a real way to enjoy Christmas was **N. P. Kiplinger**. He planned to play Santa to his children and grandchildren. (Santa couldn't find a more energetic helper).

**By the time a man is in shape to buy his wife pretty clothes . . . she isn't.**

### TECHNICAL SERVICES

**W. L. Seaver** is vacationing from Secondary Quality Control during the holidays . . . hoped to play golf if the weather permits. (It probably won't.)

**A financial genius is a man that can pay his Christmas bills before Income Tax deadline, April 15.**

### FABRICATION

**J. J. Winslett** is enjoying Christmas at home . . . as his brother Roy and his wife visit from Alabama.



Cynthia Ann Turner

This Christmas doll is little Cynthia Ann Turner, granddaughter of **D. R. Albright**, General Machine Shop. Cindie is living with her grandparents now

since her mother passed away. She is 15 months old.

**A person who brings couples together with matrimony in view is called at matchmaker. Funny, that's what they call fight promoters too!**

### METAL PREPARATION

**Pauline Webb**, Uranium Chemistry, who retired last year is enjoying the cold weather up in New Britain, Connecticut. But she sends warm greetings to all her old friends in Y-12 . . . wanted to be remembered to each and all.

### PRODUCT ENGINEERING

**G. C. Bell** vacationed last week getting ready for the Christmas holidays and trying to beat the last minute gift buying crowd.

Numerical Control's **Bill Ayers** vacationed for a couple of days as his wife was ill. Best wishes to her.

**M. B. Hilton** leaves the 18th to spend the holidays in Oklahoma City with his daughter and her family. He hopes to do some sight-seeing on the trip, if he doesn't get snowbound, that is.

The Holiday Season finds Tool Engineering folks scattered far and near enjoying the warmth of old friendships and family gatherings . . . **Loren Lawhorn**, **Ted Burger**, **Sam Rea**, **M. B. Biddix** and **Paul Williams** are vacationing at home in Oak Ridge.

**Phil Maguire** and wife Penny are off to Washington, D. C. for a gala holiday . . . **Don Davidson** and his wife are off to sunny Florida.

**Mildred Lister** is visiting with her son and daughter and their families at her son's home in Georgia . . . **M. T. Burkett** is off to the Kingsport area for holiday festivities with his family.

**George Cox**, **Nora Hurst**, **T. R. Chilcoat**, **E. E. Palmer**, **B. H. Fox** and **Pat O'Brien** are all enjoying vacations relaxing in Knoxville.

Other vacationers include **H. L. Stamey**, **Charlie Chihasz** . . . **Lenoir City** . . . **Bill Ayers**, Lake City and **W. R. Hensley**, Kingston.

**Bob Rose** and family have traveled to West Virginia for Christmas holidays with kin.

**Lil** and **D. H. Higgins** are having open house over the holidays for families who are here for the installation of D. H. as Grand Master of the Masons.

**That's about it. Happy New Year, too!**

## Credit Union Closes Early December 31

The Y-12 Credit Union will close early Thursday, Christmas Eve, December 24. The doors will close at 3:30 p.m. Also the Credit Union will close up shop Thursday, December 31 . . . at 3:30 p.m.

The office has been keeping long Monday hours prior to the holidays.

## Christes Masse

The word "Christmas" is derived from the medieval Christes Masse, the Mass of Christ. That is, a feast held in commemoration of the birth of Christ and annually observed on December 25.



## The Parable Of Conrad

Many years ago, there lived in a small village a cobbler by the name of Conrad. Day by day, early and late, "tap, tap, tap" of his hammer could be heard as he mended the shoes brought to him by the villagers. Though alone and poor, this kindly old man always had a friendly word for everyone, and many there were who took lighter hearts away from this little hut, as well as mended shoes.

Now Christmas is a time when families draw closer together. But for Conrad there was no one to look forward to with joy — no guest with whom he could share Christmas.

On Christmas morning, some neighbors, thinking how alone he was, decided to pay him a visit. They found him sweeping away the snow in front of his dwelling and, to their surprise, his face was radiant as he greeted them.

### Festival Hut

As they entered the hut, they gazed in amazement. Instead of a cheerless room, they saw a place made festive with holly and evergreen. Christmas decorations brightened the walls and hung gracefully from the rafters. And there was the table — set for two, with even the worn dishes taking on an extra sparkle. It was plain Conrad was expecting a guest.

"Who is coming to visit you?" the neighbors asked. "Last night," Conrad said, "the Lord appeared to me in a dream and told me that I would not be alone on Christmas Day, for He Himself was coming to be my guest. That is why I have prepared so joyfully. Everything is ready now. I am waiting for Him to come."

### Conrad Waited

After the neighbors had gone home to tell of the wonderful guest he was expecting, Conrad sat by the window, quietly waiting.

As he watched, the minutes passed into hours, but he scarcely noticed, as he thought again what he would do when his guest came — how he longed to bathe Christ's feet, kiss His hands, and partake of the blessed bread with Him.

While he watched, a beggar passed his window, ragged, weary, almost frozen in the wintry winds. Conrad called him in — he offered him the warmth of his humble dwelling and gave him shoes for his frozen feet.

### Second Visitor

After the beggar had left, an old woman hobbled by, carrying on her back a heavy load of fagots. Conrad ran out, lifted the load from her back and helped her into his little hut. There he gave her food for her starved body, and when she had rested, he helped her on her way again.

Again he sat by the window to wait. Now he heard the sound of a child sobbing. Opening the door, he found a small child wandering in the snow, lost and frightened. Some warm milk and soothing words stilled the frightened cries, and soon afterward he restored the child to its mother's arms.

### Day's End Comes

Once more he returned to his vigil. But now the sun was sinking and the winter day was coming to an end. Where was the promised guest?

Anxious and wear, Conrad dropped on his knees. "Oh Lord, what delayed you?" he pleaded brokenheartedly. Then out of the silence came a beautiful voice:

"Conrad, be not dismayed, for Three times I came to your friendly door, Three times my shadow crossed your floor, I was the Beggar with frozen feet, I was the Woman you gave to eat, I was the Child in the homeless street."

(Reprinted from the Magnavox Magazine.)





**METAL PREPARATION** prepared for Christmas in advance Saturday, December 12, as they held a dinner-dance at the Oak Terrace Ball Room, Oak Ridge. A buffet supper preceded the dance which featured the music of the Charlie Baker Fabulous Five. A handsome crowd appeared for the party, as witnessed by the accompanying photographs.

### Outcasts Capture Bush First Half

The Outcasts surged forward in the Bush League to take the first half last week. They downed the Seven Sixties for the full count. The only other four-point win went to the Rollmasters over the Beginners. Three points were gained by the Hi Balls over the Teds, and the Beavers over the Spec Five outfit.

Tom Watts, Beavers, rolled a high game of 223 scratch, and his 251 handicap game was a tie with John Hustin, Beavers, also. Roger Cloyd, Beavers, took high series, rolling 542, and 632. The Beavers took high singles with scores of 889 scratch, 1054 handicap. Their scratch series of 2406 was high also. The Hi Balls rolled high handicap series, taking a 2907.

Team	W	L
Outcasts	27	17
Spec Five	26	18
Rollmasters	24	20
Teds	23	21
Beginners	21	23
Hi Balls	19	25
Beavers	18	26
Seven Sixties	18	26

### Beavers, Set-Ups Lead Volleyball

Y-12's Beavers and the Set-Ups dominate the All Carbide Volleyball League. The Beavers took ORSORT's team for four games last week, 15-1, 15-8, 15-5 and 15-0. The Set-Ups took K-25 Instruments for four also, 15-8, 15-3, 15-4, and 15-4.

Y-12's Eagles took the Old Men for three, 15-9, 15-6, and 15-2 . . . and lost one 4-15.

The Scrubs downed the Bums for three 15-8, 15-10, 15-5, and lost one 14-16. The Vaults took the Y-12 Yanks for four, 15-9, 15-4, 15-9 and 15-6.

League standings follow:

Team	W	L
Beavers, Y-12	12	0
Set-Ups	12	0
Eagles, Y-12	7	5
Scrubs	7	5
Vaults	7	5
K-25 Instruments	6	6
Old Men	6	6
Bums	2	10
ORSORT	1	11
Yanks, Y-12	0	12

Home is where the mortgage is.

### Mixed Bowling Race Narrows Down

The Goofers have a three-point edge still in Mixed Bowling League's action, waning in the last days of the first half. They downed the Alley Cats last week for four . . . and the Twisters kept their second place by slapping the Alley Oops for the same. The Turtles also took the Bingos for four. A three point win went to the Blue Angels over the Chumps.

Virginia Newby, Goofers, rolled a high 173 scratch, 222 handicap game . . . and Ellie Rekemeyer, Twisters, took a 454 scratch, 595 handicap series. Bill Stephens, Goofers, made a 209 scratch game . . . C. L. Myers, Turtles, took a 236 handicap game . . . and series of 573 and 657.

The Goofers took high scratch honors, rolling singles of 629 and series of 1854; while the Turtles took handicap highs with singles of 800 and series of 2299.

League standings follow:

Team	W	L
Goofers	37	15
Twisters	34	18
Chumps	29½	22½
Alley Cats	26	26
Turtles	25	27
Blue Angels	22½	29½
Alley Oops	19	33
Bingos	15	37

### Sunflowers Hold C Bowling Lead

The Sunflowers failed to lock up the C League bowlers last week, and will have to come through this week in big style. (They still lead by four points . . . and can, at worst, tie for the season's first half.) They split two with the Rounders last week. Four point wins went to the Five Roses (who moved up to threaten the Sunflowers) over the Shud-A-Beens, and the Big Five over the Par Busters. Three point wins went to the Rodders over the Lucky Strikes and the Strikers over the Badgers. Also splitting two were the Hi Lifers and Hookers.

Curt Ridings, Big Five, rolled big singles, taking a 233 scratch, 259 handicap game. E. V. Hawk, Big Five, rolled high series scratch, taking a 601; while J. C. Bryan, Rounders, rolled a 668 handicap series.

The Sunflowers took high singles in scratch counting with 943, and the Big Five took handicap singles with 1046. The Rounders rolled high series with 2748 scratch, 3048 handicap.

League standings follow:

Team	W	L
Sunflowers	38	18
Five Roses	34	22
Hookers	33	23
Rounders	33	23
Big Five	32	24
Badgers	30½	25½
Par Busters	29	27
Hi Lifers	27	29
Shud-A-Beens	22	34
Rodders	22	34
Strikers	20½	35½
Lucky Strikes	15	41

Diversity helps us endure adversity.

### Has Beens Capture Classic's 1st Half

The Classic League ended its first half last week . . . with the Has Beens winning big. They finished in a flurry by swamping the Rebels for the full count. The only other four point win went to the Markers. Three point victories were chalked up by the Swingsters over the Splinters, the Tigers over the Smelters, the Bumpers over the Rippers, the Playboys over the Cubs and the Wolves over the All Stars. Sharing two were the Screwballs and Eightballs.

Elbert Scott, Tigers, took high singles, rolling a 232 scratch, 264 handicap game. W. T. Shelton, Smelters, took high series counts with a 602 scratch, 671 handicap total.

The Tigers tolled high singles with 975 and 1110 and the Markers took series with 2626 and 3007.

League standings follow:

Team	W	L
Has Beens	46	14
Rippers	35	25
Swingsters	35	25
Splinters	34	26
All Stars	33	27
Screwballs	32	28
Eightballs	31	29
Tigers	31	29
Bumpers	30	30
Playboys	29	31
Markers	28½	31½
Wolves	28	32
Wasps	26	34
Smelters	25	35
Rebels	23½	36½
Cubs	13	47

### DEFINITION

Diplomacy is the art of saying 'nice doggie' while you look around for a big stick.

### UNION CARBIDE CORPORATION

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Ring the old year out and the new one in are several Y-12ers who observe important 20, 15 and 10 year anniversaries with Union Carbide Corporation. Congratulations.

#### 20 YEARS

- Jennings Baird**, Laundry, December 26.
- Ellis T. O'Rourke**, Process Maintenance, December 29.
- Dell W. Goins**, Uranium Chemistry, January 2.
- Edmon B. Kimbro**, Project Engineering, January 2.
- Myrtle S. Leach**, Uranium Chemistry, January 3.
- Clarence F. Christie**, Chemical Services, January 3.
- Wardell Caldwell**, Janitors Department, January 4.
- Hennie T. Ward**, Janitors Department, January 4.
- Lou Billingsley**, Janitors Department, January 4.

#### 15 YEARS

- Lloyd O. Campbell**, Guard Department, December 26.

#### 10 YEARS

- Thomas G. Troutman**, Mechanical Inspection, December 23.
- Herbert B. McCowan**, Tool Grinding, December 24.
- Charles C. Jones**, General Machine Shop, December 27.
- John M. Childress**, Data Processing, December 27.
- Charles F. Mason**, Process Maintenance, December 27.
- Claude J. Cumbie**, Research Services, December 29.
- Clyde B. Cliff**, Tool Grinding, December 29.
- Raymond H. Gassaway**, Process Maintenance, December 30.
- Victor H. Negar**, Dispatching Department, December 30.
- Lafayette E. Pate**, Alpha Five Machine Shop, January 1.
- Willie Chambers**, Tool Grinding, January 3.
- Samuel Edmonds**, Stores Department, January 3.
- Bert Searles**, Mechanical Inspection, January 3.
- Glen F. Babb**, Stores Department, January 3.
- Jack T. Shumpert**, Tool Engineering, January 3.
- William C. Fraley**, General Machine Shop, January 3.
- Loyall W. Vandergriff**, Cashier and Travel, January 3.
- Dorris M. Willey**, General Machine Shop, January 5.



**A MASK-RESPIRATOR IS EXPLAINED** to the Emergency Squad in the Reactor Division by Robert Helton. Reading clock-wise from Helton's left are S. A. McSpadden, C. G. Henley, G. E. Mills, M. M. Cuningham, C. C. Wallace. Beginning in the forefront and going left are T. E. Haynes, Wayne Pearson, Jim Reece, S. J. Davis and Henry Penland.

### Reactor Division

Continued from Page 1 or industrial plants. Added to the normal hazards encountered by the group, such as high pressure, liquid metals, acids, molten salts, the problems of radiation also have been met successfully. Both the present Reactor Division and its ancestral divisions contributed to the 14-year record. Through the concentrated efforts of all personnel in the division working in close contact with maintenance groups in Y-12, this laudable safety achievement has been reached.

The Reactor Division is under the direction of S. E. Beall. Robert Helton is Y-12 Safety Coordinator for the division, and E. L. Bentley, Safety Department, provides continuous assistance and advice.

Y-12 Plant Superintendent Roger F. Hibbs presented the division a plaque recently, recognizing the division's efforts and excellent contributions to the plant's safety performance.



**DISTINGUISHED** safety performance for the past 14 years brought the Reactor Division the above plaque.

### E Bowlers Open Second Period

Opening up the second half of season's bowling, the E League fired off with a toot last week... as the Cannon Balls and the Ten Pins took opponents. Respectively, they downed the Alley Bees and the Pintwisters. The Four Squares took three from the Hot Shots.

H. Steele, Cannon Balls, rolled the high single game of the day with a 200 scratch, 242 handicap play. R. Horne, Four Squares, took a 520 scratch series... and Steele returned to the board with a 644 handicap series.

The Cannon Balls swept team honors by rolling singles of 644 and 844... and series of 1932 and 2369.

League standings follow:

Team	W	L
Cannon Balls	4	0
Ten Pins	4	0
Four Squares	3	1
Hot Shots	1	3
Alley Bees	0	4
Pintwisters	0	4

### 'Tis Better To Give

I love the Christmas-tide, and yet, I notice this, each year I live; I always like the gifts I get, But how I love the gifts I give! ... Carolyn Wells.

### A Tree Of Their Own

In Sweden, birds are given a Christmas tree of their own. The trees are made from a sheaf of wheat mounted on a tiny evergreen tree.

Nobody's opinions are worthless. Even a stopped clock is right twice a day.



**HIGH-STEPPING** are these two lovely misses... daughters of W. H. Foust, Alpha Five Machine Shop. They are Carolyn and Judy Foust. Carolyn is a senior and Judy a freshman at Maryville College, where they have been leading the Maryville College Highlander marching band.

### Seat Belt Law Will Add Six States

Tennessee is among the 16 states requiring safety belts in the front seats of new cars. California, Connecticut, Georgia, Indiana, Minnesota, Mississippi, Nebraska, New Mexico, North Carolina, Oregon, Rhode Island, Vermont, Virginia, Washington, Wisconsin, and the District of Columbia all have such laws also. They will be joined January 1, 1965 by six more states... Illinois, Michigan, Maryland, Massachusetts, Missouri and New York.

Seat belts are ineffective, how-

ever, unless they are used. Buckle up your seat belt for safety's sake. Experts say that traffic deaths can be reduced by their use!

### Monsieur Claus

In France, Santa Claus is called Pere Noel. He visits each home and rewards good children. They place their shoes in one corner of the room, and in them Noel leaves their gifts.

I love the Christmastide, and yet I notice this each year I live; I always like the gifts I get, But how I love the gifts I give!

### Answers To Quiz

- George Washington and his troops crossed the Delaware.
- Clement Clark Moore.
- Dasher, Dancer, Prancer, Vixen, Comet, Cupid, Dunder, Blitzen.
- Gold, frankincense, myrrh.
- It is said the first Christmas card as we think of it today was sent in 1845 by W. C. Dobson (who was one of Queen Victoria's favorite painters). He sent lithographed copies to his friends.
- "A Christmas Carol."
- Give me a kiss.
- Merry Christmas.
- Saturnalia.
- Clement Moore modeled Santa after an old Dutch gentleman he had met. Thomas Nast.
- Scandinavia. The burning of the log commemorated the return of the sun, symbolizing the sun's life-giving qualities.
- Thousands of years before Christ's birth, German tribes brought evergreens (symbols of life and immortality) into their homes to protect them from evil during the coming year.
- St. Francis of Assisi first led groups of people in the singing of songs praising the Christ Child.



**ON HIS SECOND RIFLE** hunt on Central Peninsula, Jack Grisby, Electrical, brought down this eight-point buck... 116 pounds field-dressed. Jack has been at the game for about 12 years and bringing home a buck is no news to him... but he does plan to have this handsome head mounted.