



# — Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

VOL. 21 — NO. 3

OAK RIDGE, TENNESSEE

Wednesday, January 25, 1967

## Sapirie Sees Bright Future For U-235 Production Plants

A bright future for uranium-235 production plants resulting from the growth in nuclear power generation was predicted in Knoxville last week by S. R. Sapirie, Manager of the Atomic Energy Commission's Oak Ridge Operations.

Sapirie spoke before the Knoxville Rotary Club, covering the growth of peaceful nuclear energy utilization, cooperative relationships between University of Tennessee and the AEC activities at nearby Oak Ridge, and the economic and intellectual benefits that result from the extensive production, research and development, and training programs carried out in Oak Ridge.

"The growth in orders for nuclear electrical generating stations during the last year has far exceeded expectations," Sapirie said. "A year ago the total nuclear power capacity in operation in this country was slightly more than one million kilowatts. New commitments were made during 1966 for 20 times that amount. This rapid increase in use of nuclear power is due to its economic advantage over fossil fuel plants in large sizes. The bright future for nuclear power can be translated into a bright future for our gaseous diffusion plants that produce the enriched uranium fuel material."

### '10 Years From Now'

Sapirie pointed out that the electric power to operate the gaseous diffusion plants at Oak Ridge, Paducah, Kentucky, and Portsmouth, Ohio, had been reduced because of a reduction in additional requirements for uranium for national defense. "I am convinced, however, that it will be necessary to increase our pow-

er supply in the 1970's to satisfy the nuclear power fuel requirements so that 10 years from now we should again be operating all three gaseous diffusion plants at full capacity," he added.

The ORO manager commented on the size of the Oak Ridge payroll, which he described as having a "major fallout in Knoxville."

"The total payroll to employees of the AEC and its contractors in Oak Ridge last year exceeded \$122 million and \$25 million of that payroll went to residents of Knoxville. We are probably your largest employer. The total Government payroll from Oak Ridge since 1943 is about two and three-fourth billion dollars, much of which has been circulated in Knoxville," he continued.

### UT-AEC Cooperating

Sapirie said the University of Tennessee and AEC are cooperating in many ways to the mutual advantage of both.

"It is easy to see the growth of the University in buildings, athletic plant and the student population," he said. "What is not so easy to see, but is even more impressive in my opinion, is the growth in academic stature of UT in recent years, particularly recently under the able leadership of Dr. Andrew Holt as president and Dr. Herman Spivey as academic vice president. We would like to feel that at least part of

Continued on Page 4

**Y-12 Credit Union's ANNUAL MEETING**  
Thursday, January 26  
7:30 — Jefferson Junior

## Products Division Names M. M. Rand

Murdock M. Rand has been named vice president in charge of marketing of the Carbon Products Division of Union Carbide Corporation, according to an announcement from Fred B. O'Mara, division president.

Rand joined Union Carbide in 1948 as a control engineer for the Carbon Products, Niagara Falls, New York. During his career with the division, he has served in various capacities in both production and sales at several locations throughout the United States. In 1960, he moved to the New York office as a product manager for the division and the following year became marketing manager—electrode products. He was appointed director of marketing in 1964.

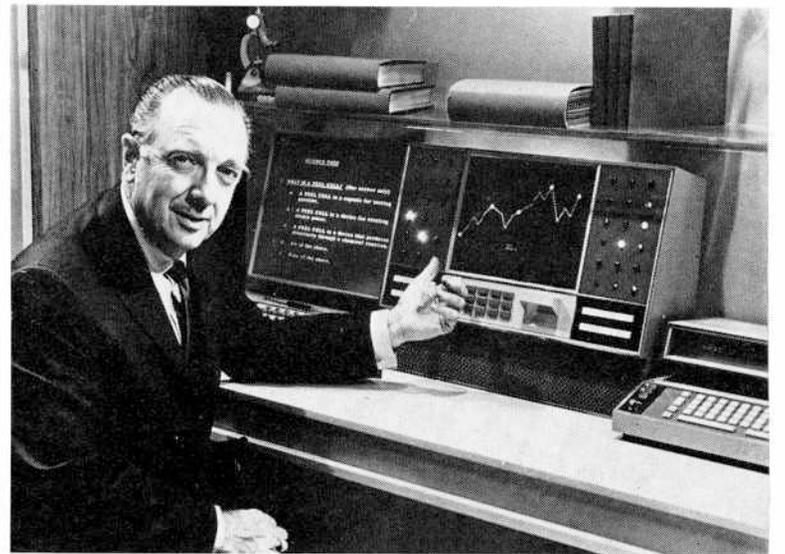
An alumnus of Michigan State University, he received his degree in BS ChE in 1948.

## Flying Objects Topic Of ASM Meet Tonight

One of the most interesting technical meetings in this area in a long while will be the Oak Ridge Chapter of the American Society for Metals' meeting tonight. It is set for the Oak Ridge Country Club tonight, Wednesday, January 25, and will feature a renowned speaker, Major Donald E. Keyhoe.

Major Keyhoe, an authority on unidentified flying objects, is head of the National Investigations Committee on Aerial Phenomena, and will speak on "UFOs—Fact or Fiction."

Arrangements for tonight's meeting are being made by W. R. Martin, Oak Ridge National Laboratory, extension 3-1675.



**WALTER CRONKITE, CBS NEWS CORRESPONDENT**, and principal reporter for "The 21st Century" sits at the heart of a communications system planned for the home of tomorrow. The electronic console combines sight, sound, facsimile and all elements necessary to bring the world into the home by fingertip control. The impact of "The Communications Explosion" will be explored on the premiere program of "The 21st Century," Sunday, January 29, 6 to 6:30 p.m., EST, in color on the CBS Television Network and sponsored in the public interest by Union Carbide Corporation. The program will be carried by WBIR-TV, Channel 10.

## Communications World Theme For '21st Century' Premiere

Conversations between men and machines, transmissions of thousands of messages instantaneously via laser beam, and a pocket phone for every person are among the exciting aspects of the "Communications Explosion" of the future to be explored on the premiere program of "The 21st Century" on the CBS Television Network on Sunday, January 29, 6-6:30 p.m., EST. (The program will be carried by WBIR-TV, Channel 10 locally.)

The opening program of television's first continuing assignment to explore the world of the future will be a penetrating investigation of new discoveries in the world of communications. Several of the foremost authorities in the field will be interviewed by CBS News Correspondent Walter Cronkite, principal reporter for "The 21st Century." Laboratory experiments and actual demonstrations of what is currently being achieved will be seen on the program.

Scientists interviewed by Cronkite include Arthur C. Clarke, the British astronomer and science writer who was identified with communications satellite experiments 20 years ago; John R. Pierce, Director of Communications Research, Bell Laboratories; and John Diebold, President of the Diebold Group; and Dr. Joseph Weizenbaum, computer scientist from the Massachusetts Institute of Technology, who has been working on man-machine communications research.

"The 21st Century" is sponsored in the public interest by Union Carbide Corporation. It is produced by CBS News, with Burton Benjamin, Executive Producer, and Isaac Kleinerman, Producer.

"The 21st Century," Benjamin points out, "will deal with scientific probability, not science fiction—with human beings, not gimmicks or gadgets. The greatest minds in every field are pro-

viding exciting demonstrations of what they are doing, not just talking about it."

Subsequent programs in the series will take up such subjects as oceanography, including mining and cultivating the sea floor, and fish husbandry; computerized touring; life in the megalopolis; genetics; and transportation, here and extra-terrestrial.

## Technical Plans February Party

Saturday, February 18, is the big day set for Technical Services' Valentine dinner-dance. It is scheduled for the Oak Terrace, Oak Ridge, and will feature music by the "Senators."

Ticket-sellers will be assigned by the following committeemen: Daisy Ward, Marlin Dill, Dot Woullard, John Lay, Jack Gresham, B. B. Hopkins, Nelson Bethea and Mary Ann Wright. Of course, all the above will have the tickets, also.

The charge will be \$5 per couple . . . for the dance only . . . more if you plan to attend the smorgasbord dinner.

Technical folks have passed the Christmas parties up for the last couple of years in favor of a late-winter party, set to herald the advent of Spring.

## SAFETY SCOREBOARD

The Y-12 Plant Has Operated **52 Days Or 1,354,000 Man-Hours** (Unofficial Estimate) **Through January 22 Without A Disabling Injury**  
Make Safety A Constant Companion



**FAMILY SAFETY JOURNAL WINNERS** for January receive their awards from J. E. Temple, Safety Department, left. To Temple's left are W. J. Yaggi, Metallurgical Development; William E. Belvin, Production Scheduling; and J. L. Cadle, General Field Shops. The winners answered correctly questions from the latest edition of the magazine mailed to all employees.

# The Bulletin

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



NUCLEAR DIVISION

JAMES A. YOUNG *Editor*



American Association Industrial Editors

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## Hap West Named Speaker Of Year



C. M. "Hap" West

The Radiation Safety Department came in for good news during the recent holidays . . . but not surprising news. C. M. "Hap" West was named Toastmaster of the Year by the Oak Ridge Toastmasters Club. The selection is made on the basis of interest and service to the Oak Ridge club during the past year.

Hap has been an active member of the TM Club since it was first chartered here in 1959. He has served as sergeant-at-arms, treasurer, chairman of the speakers bureau, and so on. He has represented the club on many occasions through the speakers bureau and has also represented the club in area speech contests.

West is a real old-timer in Oak Ridge, being a member of the "43" club. He is also a member of the Elks Lodge, and the Trinity Methodist Church.

The Wests live at 111 Washburn Circle, Oak Ridge. Mrs. West is the former Evelyn Wear of Townsend, and they have two children, Angelegne and Brian.

Congratulations, Hap!

## Gibson Family Grateful For Many Helping Hands

The family of Alice and Willie Gibson is deeply appreciative of the many acts of thoughtfulness and kindness during the recent loss of their home in Harriman.

The Gibsons, both in the Janitors Department, state that since it is impossible to reach each individual in Y-12 that offered a hand, they wish to thank everyone who helped. They further state that the many acts of thoughtfulness will not be forgotten.

### A TIME OF LIFE

Adolescence is that time in a boy's life when he notices that a girl notices that he notices her!

# 'Exit Call' Goes To Nine Y-12ers Who Retire Next Tuesday

Perhaps the biggest "exit call" in the history of the plant will be made next Tuesday, January 31, as eight employees reach the magic age of retirement, and one Y-12er chooses an early "sign-off." Leaving will be Matt Dorscheid, Research Services; John E. Fagg, Buildings, Grounds and Maintenance Shops; Harold E. Fry, Garage; Arthur C. Harrington, Buildings, Grounds and Maintenance Shops; Claude R. Johnson, Research Services; Grady L. O'Kain, Buildings, Grounds and Maintenance Shops; Willard L. Seaver, Gage Certification Laboratory; and Richard H. Sharp, a foreman in the Janitors Department. Taking early leave is Derry Lowe, Janitors Department.

Matt Dorscheid, a native of Chicago, lives at Lancing, Tennessee. He came to Y-12 January 22, 1951, after a varied career which included farming in Deerpole, Tennessee, truck driving, painting, general repairs and butcher. He worked with Stone and Webster in the early days of Oak Ridge, and for the Morgan County Board of Education before coming here.

He is married to the former Thelma Shadow . . . and they have two daughters, Mrs. Betty Beck, Indianapolis, Indiana, (who has two daughters, Karen and Lenore) and Margaret Dorscheid, who teaches music and voice at the University of Tennessee.

### Travel In Spring

Retirement plans have not jelled for the retiring Research Services man. He says he just plans to take it easy during the winter months . . . and possibly do some traveling after the weather breaks.

John E. Fagg, another old Stone and Webster employee, says he carried the first four by fours into Y-12 from the saw-mill over in the woods to help build the first fence around Y-12. Born in Madisonville, he now lives at 414 West 1st Avenue, Lenoir City. He worked with Rockwood Motors in his early life, J. R. Layment, Akron, Ohio; C. H. Bacon, Lenoir City; the Tennessee Valley Authority in the construction of Ft. Loudon Dam; the Oak Ridge School System, and Maxon Construction, here in Oak Ridge.

### Active Sportsman

He graduated from Central High School, Madisonville, where he was active in all sports, holding the captaincy of the basketball and baseball teams.

He is married to the former Trula Layman.

The Faggs hope to visit relatives in New Orleans shortly.

Harold E. Fry, Garage, is a native of Hewitts, North Carolina. He lives at 85 Tabor Road, Oak Ridge.

His early youth was spent as a mechanic in Waynesville, North Carolina. He later was a pipefitter with the Champion Paper and Fiber Company, Canton. From 1938 until 1939 he operated his own garage in Candler and Bryson City, North Carolina. From 1939 until 1942 he was with the TVA at Watts Bar, and worked at Fontana until 1945. He first came to Y-12 in 1945 . . . returned again on December 29, 1947.

No plans are made yet, but he says he is way behind on his hunting and fishing. Fry has his own fly-tying equipment, and his guns to care for.

### Harrington A Native

Arthur C. "Doc" Harrington is a native of Anderson County. He lives on the same farm on which he was born. (His brother William M. Harrington preceded him in retiring, leaving July 31, 1961.)

From 1922 until 1941 Harrington was self employed in house-building. From 1941 until 1942 he was in the U.S. Army. He worked for Stone and Webster from 1942 until 1945. He went back to private contracting, until coming here April 29, 1951.

"Doc" is married to the former Hazel Cross . . . and they have one daughter Phyllis Ann. They live at Route 2, Powell, near his brother Bill.

He plans to do a little farming on the 40 or 50 acres left on his place, and do some home-building, as well.

Claude R. Johnson, Research Services, also retires this month. He has been ill at his 2812 Waverly Street, Knoxville, home since last summer.

### Early Grocerman

A native of Harriman, Johnson began his working career in the Schaad Grocery, Harriman; in 1924 he became associated with the Knox Porcelain Plant, then returned to the grocery business in 1927. In 1930 he went with the Knoxville Iron Company, and in 1935 with the Foreign Domestic Company. In 1937 he went into clerical work for Earl Fox, and returned in 1940 with Knox Porcelain. He came to Y-12 February 11, 1953.

Johnson is married to the former Gladys Childers. They have two daughters . . . both married, Mrs. Alberta Johnson, Knoxville; and Mrs. Betty Thornton, Titusville, Florida.

Retirement plans include taking it easy . . . in an attempt to regain his health.

Grady L. O'Kain was born in Dickson County. He attended Middle Tennessee State Teacher College, and Austin Peay College.

### Is Teaching Veteran

He taught elementary school for 21 years . . . from 1921 until 1942. He says, however, when he saw some of his former students earning more per week than he drew for a full month . . . he had to seek employment elsewhere . . . with five kids at home to educate himself.

O'Kain married his childhood sweetheart, the former Katherine Miller. They moved to Oak Ridge in the early days.

Beginning in carpentry in 1942 he worked in Indiana, Tennessee and Kentucky. He went with Stone and Webster in 1943, and in 1946 with Roane Anderson. He worked with them until coming to Y-12 June 10, 1950.

The O'Kains live at 8107 Burchfield Drive, Oak Ridge. Their unusually close family lives in these environs also . . . and includes sons Grady L. Jr., Oak Ridge; Bill, who runs an insurance agency in Oak Ridge (his wife Ruby is in Y-12's Data Processing); Jimmy G., in Y-12's Electrical Engineering; Doyle who recently received his master's degree from UT, and is now working at Huntsville; and David, a senior at UT. One daughter, Mrs. Mae Gill, also lives in Oak Ridge. (Her husband James D. Gill is in Y-12's Dimensional Inspection.)

The O'Kains have 11 grandchildren . . . enough, as Grady says, to keep us entertained a while.

Forsake East Tennessee? Never, says O'Kain. It's too much like home now . . . and besides, all the kids live in and around Oak Ridge.

### Seaver A Virginian

Willard L. Seaver, Gage Certification Laboratory, is a native of Wise County, Virginia. He presently lives at 305 Kelsay Drive, Kingston.

Seaver's early employment was



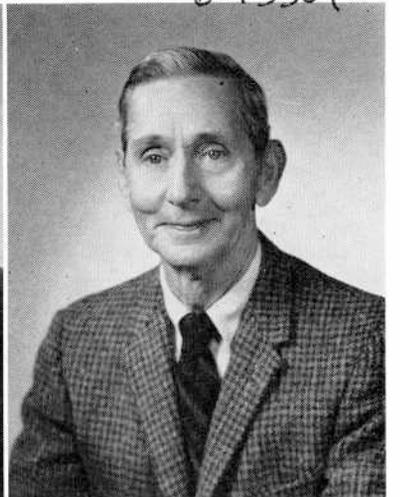
Matt Dorscheid  
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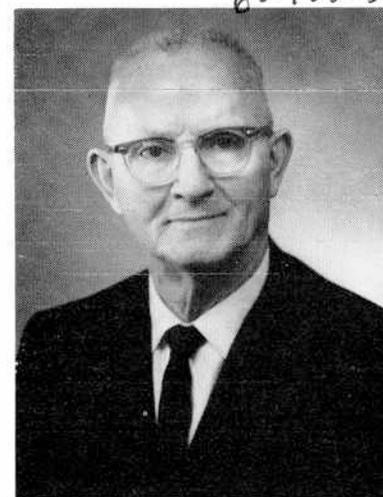
John E. Fagg  
6-13309



Harold E. Fry  
6-13308



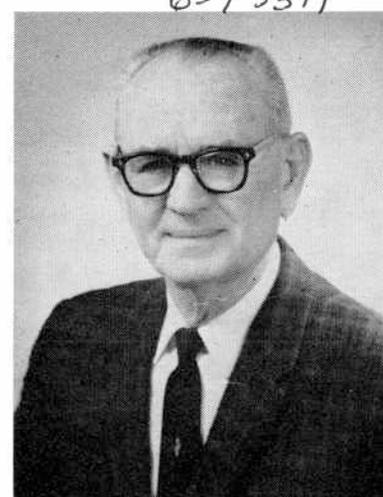
Arthur C. Harrington  
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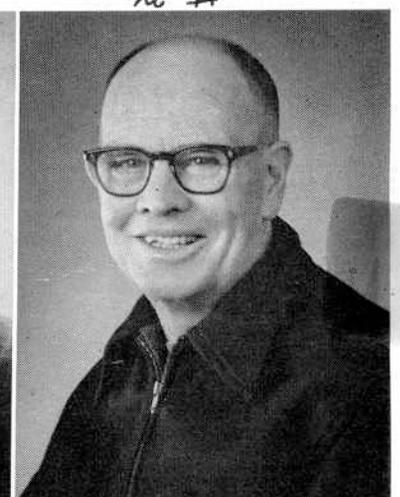
Grady L. O'Kain  
6-13311



Willard L. Seaver  
no #



Richard H. Sharp



Derry Lowe

with Tennessee Eastman, Kingsport; and Frazier & Brace, there, Georgia.

Married to the former Frances Eades, Seaver has two sons . . . Ron, who was married last month, and lives in Kingston, and Richard, U.S. Army, stationed at Ft. Dix, New Jersey.

In 1946 he went into contracting with his brother, and from 1948 until 1950 he was with the Huddle Electric Company, Kingsport. He also worked in real estate there, and with the Williams Machine Shop. He worked briefly with

Lockheed Aircraft, Marietta, Georgia.

Hunting, Fishing, Golf  
No rocking chair looms in his retirement. He says he wants to do a lot of hunting and fishing

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## '66 Fishing Tops Throughout Plant

A total of 32 big awards will be given away by Recreation for winners in the 1966 Fishing Rodeo. Biggest catch of the year was a 13-pound, 12-ounce drum landed by J. E. Thompson Jr. B. O. Miller landed the largest game fish, pulling in an eight-pound, 12-ounce largemouth bass.

Meanwhile, the Recreation Department states that entry blanks for 1967 will be made available around the first of February. (Some prizes went begging in last year's contest, as insufficient catches were recorded.)

1966 winners were:

### LARGEMOUTH BASS

1. B. O. Miller, 8 lbs., 12 oz.
2. C. L. Scalf, 7 lbs., 8 oz.
3. W. M. Eads, 7 lbs., 1 oz.
4. J. A. O'Barr, 6 lbs., 4 oz.

### SMALLMOUTH BASS

1. B. O. Miller, 5 lbs., 1 oz.
2. John S. Orr, 4 lbs., 11 oz.\*
3. J. P. Grubb, 4 lbs., 11 oz.\*
4. Arnold K. Craft, 4 lbs., 9 oz.

\*Ties. Orr's bass was longer.

### STRIPED BASS

1. J. H. Case Jr., 3 lbs., 4 oz.
2. John R. Bosson, 2 lbs., 12 oz.
3. E. C. Gross, 2 lbs., 9 1/2 oz.
4. E. W. Arrington, 2 lbs., 8 oz.

### BREAM, BLUEGILL

1. E. M. Coburn, 1 lb., 1 oz.\*
2. Elbert Scott, 1 lb., 1 oz.\*
3. H. N. Benninghoff, 13 oz.

\*Ties. Coburn's fish was longer.

### CRAPPIE

1. Emmett L. Moore, 2 lbs., 10 oz.
2. Dave Turner, 2 lbs., 8 oz.
3. J. A. McLain, 2 lbs., 5 oz.
4. Cecil Houser, 2 lbs., 3 ozs.

### SAUGER PIKE

1. R. A. Wilson Jr., 3 lbs., 3 oz.
2. H. N. Benninghoff, 2 lbs., 12 oz.
3. E. L. Bentley, 1 lb., 6 oz.

### PIKE, WALLEYE

1. Arden D. Leach, 8 lbs., 2 oz.
2. James P. Grubb, 6 lbs., 8 oz.
3. J. G. Harber Jr., 6 lbs., 3 oz.
4. L. R. Edwards, 6 lbs.

### TROUT

1. C. P. McLemore, 8 lbs., 8 oz.
2. John S. Orr, 2 lbs., 10 oz.
3. Glen Owen, 1 lb., 12 oz.
4. Fred J. Russell, 1 lb., 11 oz.

### ROUGH FISH

1. J. E. Thompson Jr., 13 lbs., 12 oz. drum.
2. R. P. George, 2 lbs., 13 oz. carp.

Recreation advises that the awards have been ordered, but are not delivered. Winners will be notified by telephone when they may pick their awards up. Happy fishing for 1967!

## Bowling Alleys Are No Longer For Men Only

The American bowling alley no longer is a place for men only. It is being thronged by nearly as many women bowlers as men. Surveys indicate women make up 17 million of the estimated 39 million bowlers in this country. During daytime hours, women have taken over the lanes of bowling establishments in many parts of the country, and increasing numbers of women are bowling during evening hours. As for ages, they run from pre-teens to grandmothers.

## No Badminton Set Tonight, January 25

Badminton will not be played this week . . . tonight, Wednesday, January 25. It will be played next Wednesday, February 1. Play takes place each Wednesday at 7:30 p.m. Jefferson Junior High School Gymnasium.

There is no safeguard for a wandering mind.



**THE STRIPED BASS** on the left copped J. H. Case Jr. top prize in that class for the 1966 fishing rodeo. Case's bass weighed three pounds, four ounces . . . slightly more than the one he holds in his other hand. He caught the bass in the French Broad River, using a jig for bait. Case is a frequent winner in both annual and seasonal rodeos in Y-12 competition.

## Has Beens Edge Into Classic Top

The Classic Bowling League's session of the second half resulted in the "lead changing hands." The Has Beens, by taking four points from the Cubs, replaced the Playboys as league leaders. Others taking "shutouts" (four to zero) were the Bumpers over the Eagles, and the Splinters plastered the Screwballs.

The rest of league resulted in a three to one won and lost record — it was the Swingsters over the Eightballs, the Rebels over the Playboys, the Tigers stung the Wasps, the All Stars swiped the Markers, and the Rippers melted the Smelters. There were no split scores of two and two, which was somewhat unusual.

Individual honors went wholly and exclusively to Jack McLendon of the Has Beens, who scattered the pins with a 266 single scratch, and a 291 handicap game. Series-wise he had a whopping 626 scratch and 701 handicap.

Team-wise the honors were divided between the Rebels and Has Beens. The Rebels took scratch with an 895 single and a 2580 series. The Has Beens captured the handicap side with a 1029 single and a series of 3008.

League standings follow:

Team	W	L
Has Beens	14	2
Playboys	13	3
Swingsters	10 1/2	5 1/2
Bumpers	10	6
Cubs	9	7
Markers	8 1/2	7 1/2
Wasps	8	8
Splinters	8	8
Rebels	7 1/2	8 1/2
Tigers	7 1/2	8 1/2
Screwballs	7	9
All Stars	7	9
Rippers	7	9
Eagles	6	10
Smelters	3	13
Eightballs	2	14

## Bowlers Have Few Days To Roll Needed Games

Bowlers have until Thursday, February 2, to roll the necessary 21 games to qualify for Y-12's big bowling tournament. The contest is slated for the week-end of February 25, 26, at Ark Lanes.

To qualify, a bowler must have rolled at least 21 games in an ABC or WIBC sanctioned league. The Recreation Department has entry forms and can supply additional information on the tournament.

That extension again is 3-7109.

## Beavers Lose 1st Volleyball Tilt

Volleyball league action went for double duty last week with play on Tuesday night that was cancelled on January 5. Goose-eggs were almost unanimous as K-25's Mix-Ups downed ORNL's Charley Brown's, 15-9, 15-9, 15-13, and 15-7. ORNL's Tigers continued the shutout by taking Y-12's Neophytes 15-3, 15-4, 15-4, and 15-13. Y-12's league leading Beavers took ORNL's Old Men to the cleaners decisively by 15-5, 15-3, 15-4, and 15-2. Continuing the shutout trend ORNL's Set-Ups pulled the Beagles' ears 15-10, 15-11, 15-9, and 15-7. The Eco-bums, not to be denied, plucked Y-12's Eagles, 15-8, 15-12, 15-4, and 15-3. The Scrubs almost made the goose-egging unanimous by taking the K-25 Sports 15-8, 15-14, and 15-2. The Sports were the spoiler, however, when they revolted in the last game and took it in a close, thrilling 16-14 victory.

Thursday night's encounter found the Eagles taking four points from the Neophytes by 15-1, 15-8, 15-8, and 15-6. Other four point winners were the Old Men over the Tigers by 15-7, 15-5, 15-11, and 15-8. Completing the shut-out cycle were the Beagles over the Charley Brown's, 15-8, 15-5, 15-3, and 15-4.

Three point winners found the league leading Beavers taking the Scrubs 15-1, 16-14, and 15-8 after losing the first game in a 16-14 thriller. Likewise, it was the Eco-bums who overwhelmed the Mix-Ups 16-14, 15-5, and 15-7, after dropping the first contest, 15-11. Completing the evening's three point victories were the Set-Ups, who took the K-25 Sports 15-9, lost the second game 15-12, then won the last two, 15-5 and 15-9. Strangely enough, there were no "even-stephen" contests of two wins and two losses.

League standings follow:

Team	W	L
Beavers, Y-12	23	3
Set-Ups, ORNL	21	1
K-25 Sports	17	7
Eco-bums, ORNL	16	8
Scrubs, ORNL	15	9
Old Men, ORNL	13	11
Tigers, ORNL	10	14
Beagles, ORNL	10	14
Mix-Ups, K-25	6	18
Eagles, Y-12	6	18
Charley Brown's, ORNL	5	19
Neophytes, Y-12	0	24

## Alley Cats Keep Mixed Alley Lead

The Alley Cats kept their Mixed Bowling League lead last week by trouncing the Hits & Misses for three points. Other three point wins went to the Twisters over the Goofers, and the Rollers over the Novices. Sharing two points were the Mustangs and Roses 'N Thorns.

C. R. Lively, Rollers, rolled high singles for men 224 scratch, 243 handicap. His 537 scratch series was high also. Steve Pintur, Alley Cats, zeroed in a 613 handicap series. Jeri Kobisk, Alley Cats, rolled a 185 scratch single. She and Donna Ferguson, Twisters, shared a 225 handicap single high. Jeri's series of 444 scratch, 570 handicap were high.

The Alley Cats posted high singles . . . 665 scratch, 835 handicap. The Mustangs mustered high scratch series of 1865 . . . and the Alley Cats returned to the boards with a 2299 handicap series.

League standings follow:

Team	W	L
Alley Cats	10	2
Hits & Misses	7	5
Goofers	7	5
Mustangs	7	5
Twisters	7	5
Rollers	5	7
Roses 'N Thorns	4	8
Novices	1	11



**GARY BROCK SIGNS** a football scholarship to the University of Chattanooga. Gary, seated, a 6-2, 205-pound tackle, attended McMinn County High School. From left, standing, are Coach Scrapy Moore, Charlie Hood, Jim Parris and McMinn County Coach Jack Henderson. Gary is the son of William D. Brock, Electrical. (Photo: Courtesy Chattanooga Times, W. C. King, photographer.)

## Badgers, Rounders Edge To C's Top

Two teams moved up to tie for first place in the C Bowling League last week, right in there with the Fireballs. The Badgers rolled past the Rollmasters, and the Rounders rounded off the Sunflowers . . . both for the full count.

Three point wins went to the Royal Flush over the Invalids, and the HiLifers past the Big Five.

Sharing two were the Fireballs and Strikers, and the Rodders and Parbusters.

Hugh Richards, Badgers, took singles honors, rolling a 219 scratch, 247 handicap game. Jim Householder, Strikers, struck a 594 scratch series, while Richards rolled a 659 handicap series.

The Badgers bested the field in scratch singles, with 903; while the Fireballs fired a 1041 (new high) in handicap singles. The Rounders posted a 2608 scratch series, and established a new high in handicap series, with 3013.

Team	W	L
Fireballs	6	2
Badgers	6	2
Rounders	6	2
Strikers	5	3
Royal Flush	5	3
Rodders	4	4
Invalids	4	4
HiLifers	4	4
Big Five	3	5
Parbusters	2	6
Rollmasters	2	6
Sunflowers	1	7

## New League Enters Table Tennis Play

Another league was added to the Table Tennis crowd recently, making it three big leagues now.

In the X League last week Roy Huddleston downed Ralph Einstein for the full three count; and Gordon Brewer took two from Herb Mook.

X League standings:

Player	W	L
Roy Huddleston, Y-12	3	0
Gordon Brewer, Y-12	2	1
Herb Mook, ORNL	1	2
Ralph Einstein, ORNL	0	3
Al Norris, Y-12	0	0
Subu Raman, ORNL	0	0
Fred Shull, ORNL	0	0
William Motley, Y-12	0	0

In the Y League, Y-12er Ed Gambill won two games from Roy Matheny for the only action in the league.

Y League standings:

Player	W	L
Ed Gambill, Y-12	2	1
Roy Matheny, ORNL	1	2
Nick Case, ORNL	0	0
Stan Cantor, ORNL	0	0
Art Weinberger, ORNL	0	0
John Stockdale, ORNL	0	0
Ernest Schonfeld, ORNL	0	0
Ram Uppuluri, ORNL	0	0
New League action (the K		

## Recreation



### Monday, January 30

**BOWLING:** 5:45 p.m., Ark Lanes, C League.

**TABLE TENNIS:** 7 p.m., Wildcats' Den.

**BASKETBALL:** Beginning 6:30 p.m., Oak Ridge High School. Bat Boys vs. Eco-bums; VIP's vs. Has Beens; Braves vs. B Bar R's.

### Tuesday, January 31

**PHYSICAL FITNESS:** 7 p.m., Oak Ridge High School Gymnasium. (Women's PT held in Girls' Gym.)

### Wednesday, February 1

**BASKETBALL:** Beginning 6:30 p.m., Jefferson Junior High School. Bombers vs. Celtics; Has Beens vs. Radioisotopes; B Bar R's vs. VIP's.

**BOWLING:** 8 p.m., Mixed League, Ark Lanes.

**BADMINTON:** 7:30 p.m., Jefferson Junior High School Gymnasium.

### Thursday, February 2

**BOWLING:** 5:45 p.m., Classic League, Ark Lanes.

**VOLLEYBALL:** Beginning 6:30 p.m., Robertsville Junior High Gym. Court A: Eco-bums vs. Beagles; Tigers vs. Scrubs; Set-Ups vs. Beavers. Court B: Neophytes vs. Old Men; K-25 Sports vs. Charley Brown's; Eagles vs. Mix-Ups.

### Saturday, February 4

**GAME NIGHT:** E, F, G, H and J Shifts. All Y-12ers welcome. 18 big prizes. 7:30 p.m. Green Room, Ridge Recreation Hall.

### Sunday, February 5

**SKET TOWNSHIP:** 1 p.m., Oak Ridge Sportsman's Association Range.

### LIFE'S BIG STRUGGLE

Life's an everlasting struggle to keep money coming in and teeth and hair from coming out.

League) saw Harley Law wrest two games from Ed Isham . . . and Winfred Collins take two from Joe Hallau . . . all Y-12ers. Francois Kertesz won two from Joe Lewin.

K League standings:

Player	W	L
Harley Law, Y-12	2	1
Winfred Collins, Y-12	2	1
Francois Kertesz, ORNL	2	1
Ed Isham, Y-12	1	2
Jim Hallau, Y-12	1	2
Joe Lewin, ORNL	1	2
Bob Bernard, ORNL	0	0
Tudor Boyd, Y-12	0	0



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## VIPs Take 1st Half Basketball

Carbide basketball league play ended its first half action with some good, close games.

Monday night (January 16) at the Oak Ridge High School gym found ORNL's Ecobums taking the K-25 Celtics by twelve points, 58-46. For the winners Jim Reed had 14 and Ernie Neal had 13. For the losers Churchill Moore led all scorers with 16 and Richard Odom sank 15. The game at the end of three quarters was 38-37, the Ecobums leading by one, however, in the final quarter they outscored the Celtics, 20-9.

The 7:30 p.m. Monday game found the league leading VIP's getting what proved to be the first half "clincher" by downing the Has Beens, 41-24. For the winners Jim Carter was high scorer with 12 and likewise for the Has Beens' Ralph Wormsley who had seven. Monday's final action at 8:30 p.m. pitted ORNL's Bombers and B Bar R's with the Bombers on the long end, 47-20. For the victors Bob Culton was high scorer with 10 while Jerry Batson led the losers with seven.

Final first half action on Wednesday night found the Has Beens of ORNL "soundly thrashing" Y-12's Bat Boys, 59-27. The Has Beens took a seven point lead the first quarter and not only didn't relinquish it, but increased it until the final whistle. Ralph Wormsley, of the Has Beens, was high scorer with 13 while Romeo Green led the Bat Boys with seven. The 7:30 p.m. match between ORNL's B Bar R's and Y-12 Braves seasawed back and forth until the B Bar R's pulled it out in the fourth quarter, 44-36. Bob Brown with 11 and Jerry Stine with 10 were high for the winners while Jim Butler of the Braves, was the game's high scorer with 12. In Wednesday's final game the league leading and first half winners, the VIP's lost their only game to the Radioisotopes, 44-37. With a close score, the big difference was control of the boards which the Radioisotopes held throughout the game. Sam Ewing and Joe Crunk had 13 each for the winners and Bones Stonecipher, of the VIP's, was the game's high scorer with 16.

League standings follow:

Team	W	L
VIP's, ORNL	7	1
Radioisotopes, ORNL	6	2
Bombers, ORNL	6	2
Has Beens, ORNL	5	3
Ecobums, ORNL	5	3
Braves, Y-12	3	5
Celtics, K-25	2	6
B Bar R's, ORNL	2	6
Bat Boys, Y-12	0	8

## Shifters Are Planning Big Party February 4

E, F, G, H and J Shiftmen are planning a big game night, set for 7:30 p.m. Saturday, February 4. The function will be held in the Green Room of the Ridge Recreation Hall.

Big prizes include a woolen zip-a-robe, 2 blankets, a fire extinguisher, an outing kit, a decorator clock, a 14-transistor radio, a griddle server, a ladies' weekend case, a Swinger camera, a men's suit carrier, an electric blanket, a carving knife, a 12-transistor radio, a Cookware set, a shoe polisher, an aluminum percolator, a men's companion traveling case, and a Linde Star Sapphire.

All Y-12ers are welcomed at the event, shifters say. The total 18 games cost only \$1.50. For late-comers, the final nine games will cost 75 cents.

Your luck can run out in an unguarded moment.



**FOUR CADETS OF THE OAK RIDGE COMPOSITE SQUADRON**, Civil Air Patrol, are seen as Color Guards for the Junior Miss Pageant sponsored by the local Jaycees. From left are T/Sgt. Douglas A. Clark, Cadet William King, T/Sgt. Stephen Lord and T/Sgt. Phillip Russell.

## Civil Air Patrol Celebrates Anniversary With Cadet Program

The Civil Air Patrol celebrated its 25th anniversary late last year . . . December, 1966.

Four cadets of the Oak Ridge Composite Squadron, CAP, were color guards at the Junior Miss Pageant sponsored by the local Jaycees. These cadets with many thousands more across the nation are an example of the Civil Air Patrol Cadet program. The program is providing thousands of

young men and women a chance for careers in the aviation and allied scientific fields. Congratulations to the CAP and their work.

The participating cadets were T/Sgt. Douglas A. Clark, son of Frank H. Clark, ORNL; Cadet William King, son of William King, Y-12; T/Sgt. Stephen Lord; and T/Sgt. Phillip Russell, son of R. P. Russell, Y-12, who is commander of this squadron.



Rounding out the first month of the year, several Y-12ers mark important anniversaries with Union Carbide Corporation. Congratulations.

**20 YEARS**  
**Ada B. Smith**, Janitors Department, January 25.

**Lawrence B. Huddleston**, Stores Department, January 29.

**15 YEARS**  
**Frank Marlin**, Buildings, Grounds and Maintenance Shops, January 25.

**Samuel Kite**, Utilities Administration, January 28.

**James C. Morton**, Arc Melting, January 28.

**Lawrence R. Phillips**, Laboratory Development, January 28.

**Dorothy K. Grizzell**, Engineering Division, January 29.

**Raymond M. Lawson**, Electrical Engineering, January 29.

**Chester E. Crowe**, H-2 and F-Area Shops, January 30.

**10 YEARS**  
**Bobbie N. Hill**, Superintendents' Division, January 28.

**Mary H. Rudder**, Facilities Engineering, January 28.

**Francis E. Ryan**, Area Five Maintenance, January 31.

## Vander Sluis To Speak At Physics Seminar

K. L. Vander Sluis, Oak Ridge National Laboratory Physics Division, will conduct this week's seminar. His subject will be "Holography."

The seminar is set for Friday, January 27, at 3:15 p.m. in the East Auditorium of ORNL's 4500N building.

## ORNL Sets New Record In '66

Oak Ridge National Laboratory made fewer shipments of radioisotopes last year than in 1965, but set new records in total curies shipped.

ORNL made 5,322 shipments of radioisotopes, representing a record high of 2,611,000 curies of activity (a curie is a unit of measure of radioactivity equalling the radiation emitted from approximately one gram of radium).

Last year's curie total more than doubled the previous record of 1,280,701 curies set in 1965.

Following a recent trend, shipments in 1966 were down from the preceding year. Private industry has assumed much of the routine production and distribution of many radioisotopes. In addition, the Laboratory has become more involved in research and development, and in filling large and special orders for radioisotopes.

ORNL's gradual withdrawal from routine production of regularly used radioisotopes serves to encourage industrial participation in U.S. Atomic Energy Commission programs, and to promote the growth of an independent nuclear industry in the United States.

During the 20 years of the Laboratory's radioisotopes program, more than 177,000 shipments have been made. These present about 6,886,000 curies of activity. The first shipment was made in August, 1946.

## NEW CONCRETE DEvised

A new lead concrete, the first such high density material capable of installation by mass production methods, has been formulated for use as shielding against intense radiation.

## Exit Call To 9 Y-12ers

Continued from Page 2 and golf. He and his wife play a lot of contract bridge, and he wants to sharpen his wits up on the cards a little.

Another well-known Y-12er is the final regular retiree for January, Richard H. Sharp, janitor foreman.

Born in Decatur, Alabama, his early years were spent in Decatur supervising small road building and rock quarry operations. Also, for several years he was connected with S. H. Reeves and Sons, there.

For 11 years prior to coming to Oak Ridge, Sharp was with the TVA, starting at Wheeler Dam, working through Pickwick, Guntersville, Chickamauga, Watts Bar, Fort Loudon and Kentucky Dam projects.

Mrs. Sharp is the former Audrey Waddel, and they live at 107 Glendale Lane, Oak Ridge. They have one son, O. H. Sharp, Oak Ridge; three daughters, Mrs. W. C. Rhoades, St. Petersburg, Florida; Mrs. George Hunter, Nashville, and Mrs. Robert McNabb, Oak Ridge. They have five grandchildren.

### Plans Long Old Age

The retiree plans to take it easy, getting in some long overdue hunting and fishing. He plans to do a little gardening and hopes to be able to travel a little. His main hobby is his grandchildren . . . also finding a way to live longer than Methuselah!

Derry Lowe, a native of Scott County, Tennessee, has elected to take early retirement.

Lowe came to Y-12 June 18, 1947, after working with Stone and Webster, Tennessee Eastman, and farming in Roane County.

He presently lives at Route 2, Oliver Springs.

Mrs. Lowe is the former Myrtle Bunch. The Lowes have two children . . . Herman and Mrs. Mary Sylvia, both living in Oliver Springs.

Lowe vacationed all during January, to acquaint himself better with some leisure time.

All Y-12ers wish the nine old-timers health and happiness in their approaching retirement.

## Moving Equipment Has Special Responsibilities

If you handle motorized moving equipment like overhead cranes, lift trucks, yard vehicles, your responsibility to others who work in the plant is highly important. You should only run machinery if you have been authorized to do so. It should be operated with skill and caution. Warning signals should be sounded to alert approaching fellow workers of your whereabouts. Move with caution when sure way is clear. Be particularly alert at blind corners, when backing, and on loading platforms.



Claude R. Johnson



## ENCORE BIGGER THAN MAIN EVENT.

Some seven months ago a "deep slash" of \$850 in the Y-12 monthly bill for instruments, buttons, flashing lights, etc. was reported. The reporter should have blushed with shame. The "slash" was a mere nick compared to the \$2,010/month decrease since the survey last summer.

For sure, several people were inconvenienced by losing a button here, a light there. However, being tax-payers, the \$24,000 a year savings should neutralize a bit of the sting.



Will join car pool from West Knoxville to Central Portal, straight day. Ralph Freer, extension 3-7201, home phone Knoxville 584-3000.

## Bright Future

Continued from Page 1 this is a spinoff of the AEC cooperative programs."

He cited examples of the cooperative efforts as the program under which Oak Ridge scientists spend one day each week teaching at the UT campus, establishment of the UT Graduate School of Biomedical Sciences in Oak Ridge adjacent to the Biology Division of Oak Ridge National Laboratory, and the recently announced study to be made of the "Economic Potential of the Research Resources of East Tennessee and How It Can Best Be Utilized." The latter was proposed by the University with the joint support of Tennessee Valley Authority and AEC and its Oak Ridge operating contractors.