



NEW OFFICERS AND EXECUTIVE BOARD MEMBERS OF THE CARBIDE WIVES are pictured above. Seated from left are Mesdames R. E. Webb, president; W. H. Platt, secretary; K. E. Rapp, treasurer; J. K. Lowery, vice president; and L. H. Fulks, retiring president. In the rear are Mesdames H. R. Kitchen, R. P. Wallace, J. M. Groover and J. K. White. Mrs. Webb, Mrs. Wallace and Mrs. White are wives of Y-12 employees.

Carbide Wives Meet Tonight With New Officers, Board

The Carbide Wives with a new set of officers and executive board members, will hold their first meeting of the New Year at 7:30 o'clock tonight in the East Lounge of the Ridge Recreation Hall. The theme of the meeting and card party will be "New Year Resolutions" and during the evening bridge, canasta and bingo will be played. Refreshments will be served.

Virginia Professor To Address ACS Body

The Tennessee Section of the American Chemical Society will inaugurate its 1955 program in Oak Ridge tonight with an address by Dr. Alfred Burger, professor of organic and biochemistry at the University of Virginia. His address will be given at 8 o'clock in the new Robertsville Junior High School cafeteria, preceded by a dinner at 6:30 o'clock at the Oak Terrace.

Dr. Burger's topic will be "Medicinal Chemistry Today and Tomorrow." In his talk he will point out that research on medicinal chemicals to cure or allay the symptoms of disease now is following two main paths. The first has as its objective the immediate need of the medical profession for more and improved medicines and drugs; the second concerns long-range planning of future researches by explaining the mode of action of drugs on cells and tissues. He also will discuss some of the modern drugs evolved during the past 10 years such as those for the relief of pain, the antihistaminics to counteract allergies, steroid hormones such as cortisone used to treat rheumatic diseases and a host of other conditions and the long list of vitamins now available against deficiency diseases.



Dr. Burger

Dr. Burger was born in Vienna, Austria, in 1905 and graduated from the University of Vienna in 1928 with a Ph.D. degree in organic chemistry. In 1929 he joined the research staff of the University of Virginia and became a member of the teaching staff in 1938. In 1953 he was awarded the Louis Pasteur Medal by the Pasteur Institute of the University of Paris.

The new president of the group is Mrs. R. E. Webb, whose husband is in the Y-12 Production Analysis Department. New members of the executive board include Mrs. R. P. Wallace and Mrs. J. K. White, both of whom are married to Y-12ers.

Mrs. White is in charge of arrangements for the party tonight. Other hostesses will include Mrs. J. E. Barton and W. E. Gilbert, also wives of Y-12ers; and Mesdames M. L. Angel, Jr., N. H. Hurd and R. V. McCord.

It's a BIGGER Job Now!

Join the
MARCH OF DIMES
January 3-31

This Week Is 12th Anniversary Of UCC In Atomic Energy Field

This week marks the 12th anniversary of the signing of the historic and unique contract that put Union Carbide and Carbon Corporation into the atomic energy field.

A simple, four-page letter from the War Department, United States Engineer Office, Manhattan District, to Carbide and Carbon Chemicals Company, a division of Union Carbide, formed the basis of the contract. The letter, dated January 18, 1943, called on the Company to "supply technical consultants to study available knowledge and information with regard to design, engineering, and construction and operation of a plant to produce Product K-25 and operate the plant."

"Product K-25," of course, is Uranium 235.

The War Department letter was signed by the then Lieut. Col. K. D. Nichols for the Corps of Engineering as Contracting Engineer. He is now General Manager for the Atomic Energy Commission. Signing the contract for Carbide was the late James A. Rafferty, then President of the Company.

Annual Meeting Of Credit Union Thursday Night Will See New Officers Elected, Dividend Declared

Harold K. Little, Ex-Y-12er, Awaiting USAF Discharge

"Fighting Five" Near End Of Service Duties

Back in January, 1951, five young Y-12 employees who had been buddies in Oak Ridge High School enlisted en masse in the United States Air Force. The Bulletin termed them the "Fighting Five of Y-12" in a group picture just before they left for service.

The five were Harold K. Little, then in Health Physics; Charles Kirkwood, W. A. Maddux and C. J. Maddux, Jr., all in Electrical Maintenance; and Richard Garland, Stores. Fathers of the Maddux brothers and Garland were, and still are, Y-12 employees.

Little Stationed At Laredo

From time to time The Bulletin has published information when available on the whereabouts of the "Fighting Five." The latest to be heard from is Airman First Class Harold Little, now stationed at the Laredo, Tex., Air Force Base, through courtesy of the Office of Information Services of the USAF there.

In a news release and photograph the USAF revealed that Airman Little and Lt. Gen. Charles A. Myers, Commanding General of the Air Training Command, had a short conversation during the general's orientation tour of the Laredo Air Base when the officer paused at the Base Exchange.

Wants To Come Back To Y-12

When the general asked Airman Little if he planned to reenlist, Little replied:

"No sir, I plan to go back to my old civilian job."

He was a junior health physics technician when he enlisted. His parents are Mr. and Mrs. John T. Little, 100 California Ave., Oak Ridge.

During his four years in the Air Force, Airman Little, like his four other "Fighting Five" companions

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A 1/c HAROLD K. LITTLE, soon to be discharged from the Air Force, left above, tells Lt. Gen. Charles A. Myers, he plans to come back to his old Y-12 job after leaving the service.

ASM Group Will Hear Electromet Speaker

A. R. Lytle, of the Electro Metallurgical Company, a Division of Union Carbide and Carbon Corporation, will speak at a technical meeting of the Oak Ridge Chapter of the American Society for Metals at 8 o'clock tonight, Wednesday, January 19. The meeting will be held in the Oak Ridge Knights of Columbus hall in West Village.

Lytle, Director of Research, Metals Research Laboratories, of Electromet, will speak on the subject "The Effects of Alloying Additions to Steel." The speaker has developed many new welding-rod compositions and has pioneered in the field of automatic welding machines. He is responsible for many advances in the use of the oxy-acetylene flame for hardening, power-cutting and pressure welding.



A. R. Lytle

In addition, the chapter will present awards to metallurgical students who, in the opinion of the chapter, show exceptional ability and promise in that field. The awards are made to encourage metallurgical students to pursue that field and stimulate interest among high school students in the subject.

All Y-12 members of the ASM chapter are urged to attend the meeting, to which the public is invited.

President Urges All Members To Attend

All share holders in the Y-12 Employees Credit Union have been urged to attend the annual meeting and election of officers set for tomorrow night, Thursday, January 20, in the East Lounge of the Ridge Recreation Hall, by Morris J. Fortenberry, president of the organization. The meeting will start promptly at 7:30 o'clock.

"It is important that all share holders—members of the Credit Union, attend the meeting to vote in the important business to be presented them," the president said. "Nobody but the members themselves can decide on the annual dividend to be declared for 1954 and to name the Board of Directors and committee members who are entrusted with the business of the organization throughout the year."

Reports Awaited With Interest

Reports of the Board of Directors and the Supervisory and Credit Committees on activities during 1954 will be awaited with interest by the membership. The financial condition of the Credit Union and its earnings, on which the 1954 dividend will be based, will be presented to the membership by officials of the organization.

The entire membership is to vote on the 1954 dividend after hearing the report and recommendation of the Board of Directors. For the past two years the dividend has been 4.2 per cent, with earnings being credited to the accounts of the shareholders.

Slate To Be Presented

A nominating committee composed of Robert Slusher, Earl Goode, Dean Reed, George Oliphant and W. K. Prater will submit a slate of candidates for the various offices to be voted on at the meeting tomorrow night. How-

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ORNL Man To Give Talk At Physics Seminar Meet

L. Dresner, an Oak Ridge National Laboratory man stationed in the Y-12 Plant Area, will speak at the weekly meeting of the Oak Ridge Physics Seminar on Friday afternoon, January 21. The meeting again will be held at 4:15 p.m. in Room 18 of the Oak Ridge Institute of Nuclear Studies building on Administration Road. The subject of discussion will be "The Collective Model of the Nucleus." Y-12ers interested in the subject are invited to attend the session.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

16 Days Or

523,632 Hours

(Unofficial Estimate)

Without A Lost Time Accident

Through January 16

The Bulletin

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National President Will Address AIE

Don G. Malcolm, national president of the American Institute of Industrial Engineers, will address the East Tennessee Chapter of the AIEE tomorrow night, Thursday, January 20. The meeting will be at 7:30 o'clock at the new university center of the University of Tennessee, Knoxville.

Malcolm is with the Operations Research Group at Johns Hopkins University, Baltimore, Md. In his talk tomorrow night he will describe the work of the group, which is presenting a new method of solving problems through recently developed techniques.

Kyle Reed, of the Y-12 Methods Engineering Department, is a member of the national board of directors of the AIEE. Several other Y-12ers and other Carbide employees in Oak Ridge also are members of the East Tennessee chapter.

Union Carbide Advertisement Cites Safety

Justly proud of its safety record and those of its various units, Union Carbide and Carbon Corporation has made safety the subject of one of its regular advertisements published in many leading magazines and newspapers throughout the country.

"Safety on the job is not accidental," is the theme line of the advertisement, which goes on to say:

"Accident prevention is serious business to the people of Union Carbide. They work with extremes of temperature and pressure in many fields, yet last year their overall record was 73 per cent better than for U. S. industry as a whole—But safety goes beyond the plant with the people of Union Carbide. In many areas, they have enrolled in home safety programs. Through these, whole families learn how to avoid accidents in the home, on the street, at school and at play."

The advertisement points out that in 1954 Union Carbide plants receive 133 awards from the National Safety Council. These awards included six Awards of Honor and 19 Awards of Merit.

It also is pointed out that the Corporation was presented the 1953 Award of Honor of the National Safety Council. (Ed's Note—The Y-12 Plant also received the National Safety Council Award of Honor for 1953.)

Union Carbide points out in the advertisement, and it is the same thought uppermost at Y-12, that "the people of UCC are proud of these awards. But their greatest satisfaction comes from the knowledge that they are helping to increase safety—both on and off the job."



MRS. ROSEMARY STECKEL, THE FORMER MISS ROSEMARY CABBAGE, OF PRODUCTION ANALYSIS, WAS honored by fellow employees and friends at a bridal shower Wednesday night, January 12. Hostesses were Lodean Butler, Katherine Dalton and Bonnie Anderson. Pictured above are, seated from left, Bonnie Anderson, Rosemary Steckel and Lodean Butler. Standing are Nancy Fritz, Gretchen Hamilton, Elizabeth Hayes, Martha McCombs, Billie Braden, Nell Trebilcock, Martha Helen Stewart, Ann Bishop, Catherine Love, Mary McCloud and Katherine Dalton. Guests not in the picture were Anna Ruth Roberson and Elizabeth Patrick. Both Mrs. Steckel and her husband, Lorin, are in Production Analysis.



The East Tennessee Mountain Man signed a hotel register with an "X". Then he drew a circle around the "X".

The puzzled clerk said: "Lots of people sign with an 'X' but that's the first time I've ever seen it circled."

"Tain't nothin' odd about it," said the hillbilly, "when I'm out for a wild time I don't use my right name."

Well, with that shaggy dawg rib-tickler (?) out of the way — here's what there is in the way of news around the premises.

F. H. Wray was away somewhere on vacation last week . . . Get-well wishes are sent to L. R. Fisher and B. K. Hobbs, both out sick last week.

Alpha Two Maintenance reports Mr. and Mrs. F. V. Stanfel entertained Mr. and Mrs. Bill Evers with a bridge party recently . . . J. R. Carroll is welcomed back after an illness.

H. L. Scott, Alpha Five Maintenance, was receiving get-well wishes over in Maryville, where he is hospitalized.

MECHANICAL OPERATIONS

There was a mass production job on the tonsilectomy line for the three sons of Fred D. Williams, General Machine Shop, last week as the trio of youngsters had those appendages removed . . . Bobby Cooper, Y-12's first Pop of the year, vacationed last week to get acquainted with young David Lee, born January 4 . . . Shoppers with miseries that laid them low last week were Sam Simmons, R. E. Lively and S. F. Newton — all of whom were wished well by co-workers.

D Mechanical Operations rolled out the welcome mat last week for newcomer-by-transfer Clyde Hopkins.

Here's another little Mountain Man joke—if you can stand it. Seeing his first motorcycle roaring along the road, he took a pot shot at it with his trusty rifle.

"Did you hit the varmint?" yelled his wife.

"Hit it but didn't kill it," he said. "I can still hear it growlin' but I sure made it turn that man loose."

You like? No? Yes? Well, us too.

MANUFACTURING OFFICE

Kathryn Ballentine, Plant Records, is a patient in a Loudon hospital this week.

Martha Arrp, Receiving and Shipping, vacationed last week between Oak Ridge and Maryville. . . . T. T. Alcorn is the happy father of a new son who arrived last week weighing eight pounds.

Morris Perry, the blond bomber of the Y-12 Card pitching staff of the past few seasons and who toils at Property Sales, vacationed last week at Cleveland, Tenn., his old stomping grounds.

Material Control welcomed a host of newcomers last week—including Shirley Kirkwood, Barbara Watkins, M. J. Cromer, L. A. Caldwell and A. Hopson . . . W. H. Martin joined the ranks of the new fathers on January 13 when young Chris put in his appearance . . . The department extends deepest sympathy to Ruth West, whose brother died last week—he also is

INDUSTRIAL RELATIONS

Irene Reed, Personnel, is a happy gal this week — her husband, Ralph, is home from the Navy.

The Fire Department laddies were heaping congratulations on Capt. Dave Turner last week on the arrival of a new son in the Turner family on January 10.

Jack Fisher, of Security, still is on the ailing list and get-well wishes were sent his way by pals last week.

Sympathy was extended Art Hines, of the Insurance Office, on the death of his father-in-law in Kentucky last week.

Guard Department vacationers include W. W. Hammer and B. H. Easterday.

MAINTENANCE

Planning and Estimating is sending get-well wishes to John Irving, who remained on the sick list last week . . . Tom McNamara returned to the Oak Ridge Hospital last week and received some more quick-recovery messages . . . W. R. Duff is the proud grandfather of a bouncing baby boy—name Mark Alexander Duff, born January 11 weighing eight and one-half pounds . . . The mother is Bonnie Duff, a former Y-12er in Employment . . . Barbara Thomas attended the wedding of a niece in Knoxville last week and helped throw the rice . . . S. E. Bolt and the missus have returned from a Florida vacation.

Field Maintenance extends sincere condolences to Roy E. McGill over the tragic death of his son, Shirley Edward McGill, fatally injured in a Knox County accident last week when a tree fell on him. . . . Vacationers for the week include W. A. Newman, F. J. Johnson, E. E. Denham and W. Humphrey.

There was sweet music in the breeze up at Chestnut Stump—that's near Jacksboro—last week when K. E. McCulley and E. H. Bass, of Salvage, sang at a revival meeting.

Electrical Maintenance hopes that H. H. Buckner's father, ill in Knoxville, quickly recovers . . .



The following Y-12 employees were patients in the Oak Ridge Hospital last week:

Richard Owens, B Mechanical Operations; Beatrice Cameron, SF Control; C. J. Mitchell, Field Maintenance; Virginia Swanner, Tabulating Service; Albert C. Seals, Beta Two; Frank Thurman, Product Processing; E. C. Jeanette, James W. Stevens and S. H. Kesterson, Guard; Charles S. Hutchison, Transportation; W. T. McNamara and C. L. Evans, Planning and Estimating; H. B. Oliver and W. C. Asbury, E Mechanical Operations; Laura Kennedy, Laundry; Maria Mason, Production Assay; Fred M. Henry, Buildings and Grounds; H. E. Lisenby, Beta Four Maintenance; J. M. Googin, ADP Development; Cleveland Cannon and Gene McWilliams, Janitors.

Income Tax Forms Available At Y-12 Employment Office

For the convenience of Y-12ers needing income tax forms, they now are available at the Employment Office on the first floor of the North Wing of Bldg. 9204-4, where they may be obtained from 8 a.m. until 4:30 p.m.

Early filing of income tax forms is urged by the Bureau of Internal Revenue, although the deadline for filing this year is April 15 instead of March 15, as in the past.

Persons wishing assistance or information on income tax matters may obtain it at the Bureau of Internal Revenue Office in the Postoffice Building, Knoxville. Office hours are from 8 a.m. to 4:30 p.m., Mondays through Fridays.

10 Years Service

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

- Ira T. Smith, Transportation, January 19.
- Kenneth L. Faulkner, Laundry, January 20.
- Corene L. Mynatt, Research Services, January 20.
- Azor C. Lee, Chemical, January 22.
- Barton B. Thornton, Stores, January 22.
- Robert L. Ruffin, Janitors, January 24.
- Lonnie A. Slover, Electrical Maintenance, January 25.

IRE Group To Hear Talk On Hi-Fi Reproduction

"Hi-Fidelity Reproduction in the Homes" will be the subject of a talk to be heard tonight at a meeting of the Professional Group on Nuclear Science of the Institute of Radio Engineers. The meeting will be at 7:30 o'clock in the West Lounge of the Ridge Recreation Hall.

Speakers will be Bill Pollock and Horace Cerruti, both Oak Ridge authorities on their subject. Questions and answers and demonstrations will feature the program.

TWO TASTY DISHES TOP SPECIAL LUNCH FARE AT Y-12 CAFETERIA

Patrons of the 50-cent Special Lunches at the Y-12 Cafeteria will have tasty dishes offered as entrees tomorrow, Thursday, January 20, and next Tuesday, January 25. The Special Lunch tomorrow will feature roast beef hash while next Tuesday chicken croquettes with parsley sauce will be served. The Special Lunches also include a vegetable, choice of salad or dessert and rolls and butter.

Valentine Dance, Bingo Party Set By Y-12 Girls Club

A combination bingo party and Valentine dance will be the next venture of the Y-12 Girls Club into the social activities field. The event is scheduled for February 11, with the time and place to be announced later along with other details.

All proceeds from the function will be turned over to the March of Dimes polio campaign.

The bingo-dance party was announced after a business and dinner meeting of the club December 10 at the Oak Terrace. The new officers, headed by Virginia Boswell, president; took over their active duties at this meeting. Other new officers are Evelyn Tucker, vice president; Joanna Rowan, secretary-treasurer; Lucille Hatmaker, program chairman; Juanita Reed, membership chairman; Betty Sue Huntley, welfare chairman; and Sue Wassom, publicity chairman.

During the dinner, the outgoing officers were presented corsages by members of the club. Miss Wassom is the immediate past president of the club.

the brother-in-law of Emma Puckett.

Leora Doss and Mary S. Gilham were welcomed last week by Special Testing after their transfer from Research Services.

TECHNICAL

Irene Jenkins has been receiving rapid-recovery wishes from Production Analysis—she has been ill for a couple of weeks . . . The department welcomed Helen Ivens, a recent transfer from Health Physics . . . Condolences were tendered Alice Elder, whose nephew died in Knoxville last week.

ADP Development hopes John Googin soon recovers from the illness that sent him to the Oak Ridge Hospital last week.

J. L. Smith, Electrical Engineering, was welcomed back on the job after being confined by a lengthy illness.

Our contemporary — the Oak Ridger — pointed out that Oak Ridge "ain't no town and ain't no city," as Phil Harris would put it—if the Nashville thrush were given half a chance he might start warbling a song about the Atomic City to rhyme with his "Doo-Wah-Diddy"—the noted metropolis in "That's What I Like About The South."

Hoping this will not be inflicted on our readers—let the old Colyum Conductor remain — yours truly—until next week.



Ray Cooper, Son Of Y-12er, Leading Powell To Fine Court Record, Wins U-T Scholarship

Panther Star Has 24.6 Point Average

Powell High School, in the northern section of Knox County, has for the past several years been represented by top flight athletic teams—and this season is no exception, particularly in basketball.

One of the reasons for the success of the Powell basketball team this season is a slender, six-foot forward named Ray Clyde Cooper. Ray Cooper is captaining the Powell team for the second straight year and establishing enviable records both on the hardwood and in the class rooms of the school.

Naturally, one of Ray's warmest supporters and most conscientious fan is his dad, C. R. Cooper, of the Y-12 Field Maintenance Department. He is an outside machinist and is an old-timer among Y-12ers, having come to work here on November 30, 1943.

Ray Cooper, now 17 years old, is just hitting his stride as a court star, although leader of the team for the second year and playing his third year as a regular on the quintet. Honors have been piling on him for quite some time—climaxed just a short time ago when he was the first Knox County high school player to be offered a University of Tennessee basketball scholarship. He will enter the state university this fall along with a pal, James Smith, the only Knox Prep League basketball player to be leading Cooper in scoring this season and awarded a scholarship at the same time.

A look at Ray Cooper's record



Ray Cooper

reveals his value to his team over the past two seasons. As a junior last season he was placed on the All-Knox County team, the Sixth District Tournament all-star team and the Regional all-star team. He also was given honorable mention for all-state honors. He was second

Fine Scholastic Mark Also Is Possessed

leading scorer in the Knox Prep League last season.

So far this season the star Panther basketball player at press time of The Bulletin still was second place in scoring with a greatly improved average that was 24.6 points per game for his Powell team, undefeated in its first 12 games. His top mark was 42 against Bearden. The only Knox player with a better average is his teammate Smith.

However, young Cooper's fine basketball performances were not alone in persuading University of Tennessee Head Coach Emmett Lowery to offer him the university scholarship. His scholastic standing and popularity at Powell High School also were taken into consideration when the university made the offer.

Cooper now is a senior at Powell High School and is vice president of his class. Other honors include vice presidency of the Future Farmers of America group at Powell, and membership in the Citizenship Club and the Beta Club of the school. He also has been acclaimed by the student body as "Mr. Powell High" and the "most athletic" in the school's Who's Who.

With this fine background—Tennessee basketball fans and friends of the Cooper family are confidently looking forward to fine future records by young Ray—not only on the basketball court but also in the scholastic field.



THE SUNFLOWERS TEAM IN THE Y-12 Plant Basketball League may not be blooming up with the leaders in the loop, but the lads have a swell time playing every game to the best of their ability. From top the twosomes are, from left, D. W. Daws and G. Taylor, F. Manning and J. W. Vincent, D. L. Terry and John Lewis. Coach and Manager L. E. Ramsey is seated at the bottom.

Orsorts Leading In Plant Loop

Bombers, Maintenance Have Chance For Tie

The Orsorts basketball team of the Y-12 Plant League are sitting back and watching a couple of rivals butt heads for a possible chance to tie them for the title in the red hot first half of the season race. The Orsorts wound up their first eight games with seven wins and one loss while the B Bombers and Maintenance quintets still were in the running after last Wednesday's games with six and five wins respectively against one loss.

Crucial Games This Week
The Bombers and Maintenance were slated to meet Monday night of this week in the last game for the Bombers, who could clinch a tie for first with a win. If Maintenance comes out on top in this one they still have the troublesome D Doodies to overcome in a clash tonight, Wednesday, January 19, to earn a playoff berth against the Orsorts.

These close races are old hat reading to followers of Plant Basketball League activities over the past several seasons, but is a typical indication of the fine spirit and type of play offered the rank and file of Y-12 employees in the way of recreation by Carbide. Healthy rivalries and superlative sportsmanship are created every year by such intra-mural activities.

Orsorts Overcome Two Foes
The Orsorts rolled over a pair of foes last week, trouncing the C Shift by 84-33 and then bouncing Beta One by 52-26. Beasman and Burch each scored 19 points for the Orsorts against C Shift, whose Joe Vannoy matched them in tallying. Beta One made it a little closer but Burch and Beasman hit for 17 and 11 for the winners to keep them ahead all the way.

The Bombers got only one game under their belts, winning from the Hot Shots by 52-22. Baker, Barker and Butturini tallied 13, 11 and 11 for the Bombers while Jack Foresman had 10 to top the losers. The Bombers slugged out an 18-point lead in the first period and coasted in.

Maintenance Posts Win
Maintenance also had only one outing on the hardwood, trimming C Shift 54-35. Bill Hamil topped the winners with 21 points and Manager Clyde Carter and Malcolm each had 10. Joe Vannoy again was the big shot for C Shift, trickling 20 tallies through the nets. This was a second half game.

The dapper D Doodies downed the Hot Shots by 52-23 with Thornton pacing the attack with 18 points. The winners only had a 19-15 lead at half-time, but pulled out in front easily in the latter periods.

Beta One bombed the hard-fighting but outclassed Sunflowers in the other tilt of the week with a 59-20 trimming. McLaughlin and J. Verner each scored 13 for the victors.

League standing after games of last Wednesday, January 12, follows:

Team	W	L
Orsorts	7	1
B Bombers	6	1
Maintenance	5	1
Beta One	5	3
D Doodies	4	3
Hot Shots	3	5
C Shift	1	5
Sunflowers	1	6
Owls	0	7

163, J. P. Hunt 155, H. F. Harris 152 and H. V. McAdams 145. The top handicap averages are Hunt 193.600, Vanderpool 193.556, Sahr 193.535, McIntosh 193.167, Brewster 192.682, Harris 192.520, Miller 192.337, McIlhenny 192.069, Cunningham 192.061 and McAdams 191.640.

The larger part of goodness is the will to become good—Seneca.

Can't-Win-For-Losing Cards, Robins Seek Victories In Basketball Battles This Week

The Y-12 varsity basketballers, who haven't been able to win for losing, will strive mightily to break into the win columns this week. The Cardinals have a game set tonight, Wednesday, January 19, over in Knoxville against the Kelso Oilers at Chilhowee Park while both the Cards and Robins will appear before the home fans next Monday night, January 24, at the Oak Ridge High School when the distaff team will play the Atomic Energy Commission lassies at 6:30 o'clock and the Cardinals will clash with the Bowers team, of Knoxville, at 7:45 o'clock. Then next Wednesday night, January 26, the Cards again meet the lengthy Labsters of Oak Ridge National Laboratory in Oak Ridge at 7:30 o'clock.

Robins Lose Close One

The Labsters handed the red and white clad Y-12ers a sound 64-47 licking on Monday night, January 10, and in a preliminary fracas the Robins dropped a heart-breaking one-point loss to the Lab lassies, 33 to 32. It was the second one-point loss by the Y-12ers to their feminine rivals across Pole Cat Ridge, the other coming in the Knoxville Milk Fund Tournament finals.

In the men's game with ORNL, the victors got off to an early lead and were never headed, although the hard-fighting Cards gave their taller foes a stiff battle all the way. Elmo Wolfe tallied 18 points and Dave Clark 14 for ORNL while Don Woods and Fred Hardin led the Y-12 scoring with 14 and 13 points respectively.

The women's game was a see-saw affair that saw Y-12 trailing at the first quarter, leading at the half by 16 to 14, falling behind again by 27-24 at the three-quarter pole, then tying the battle only to lose in the final minutes. Sue Strange topped the Y-12 scoring with 11, Ruby O'Kain tallied eight, Nell McGinnis seven and Helen Brown six. Pris Savage, a former Y-12 and K-25 performer, starred for the ORNL outfit and tied Sue Strange in scoring with 11 points.

Cards Blanked In Third

The Cards rounded out a sad

week for the Y-12ers when they allowed the K-25 Blues to eke out a 41 to 37 victory with a second-half spurt after the red and white had led most of the first half. The Cards had a 27-19 half-time lead but couldn't hit the hoops at all in the third period, in which they were blanked. Lew Fitzgerald and Don Woods each had 10 points for Y-12.

Line scores of last week's games follow:

Robins	6	16	24	32
ORNL	8	14	27	33
Cardinals	9	16	32	47
ORNL	14	33	51	67
Cardinals	9	27	27	37
K-25	10	16	26	41

ORE PICTURED IN EARTH

An X-Ray camera designed to snap pictures of radioactive ores buried deep in the ground has been patented by John Andrews, of California, according to the New York World-Telegram and Sun.

Y-12 SPORTS

Bldg. 9212 Boosts Volleyball Lead

The volleyballers of Bldg. 9212 remained unbeaten in Y-12 Plant League play on Tuesday night, January 11, when they swept three points from the Fog Heads to run their second half of the season winning streak to nine. The scores were 15-3 in each of the two straight victories to account for the three points.

Uranium Control Junior Varsity took over sole possession of second place by beating the Peons 15-3 and 15-7. In the other match of the night the Duds whipped the Engineers two straight by 15-6 and 15-10 to take over third place in the standings.

The schedule for next Tuesday night, January 25, follows:

6:30 p.m., Duds vs Bldg. 9212.
7:30 p.m., Engineers vs Peons.
The Fog Heads and Bldg. 9212 are idle.

Team	W	L
Bldg. 9212	9	0
UCJV	6	3
Duds	3	3
Peons	3	6
Engineers	3	6
Fog Heads	0	6

Keglerettes Thump EAT Bowling Team

Y-12's women varsity bowlers smacked down the league-leading EAT club of the Oak Ridge Women's City League last Thursday night for three points to climb within two points of first place. The Atomic Energy Commission women are in second place, just one point out of the lead. Team scores for the Y-12ers last week were 784, 694, 728-2205; to 654, 671, 774-2099 for EAT.

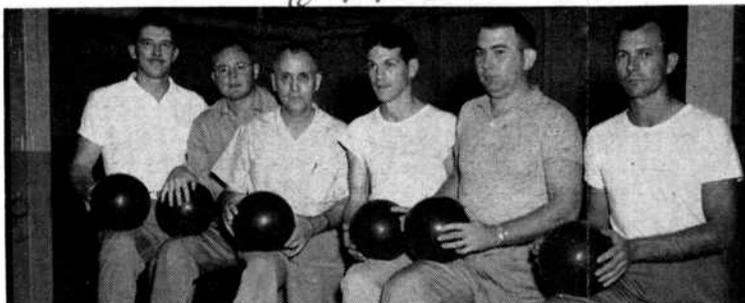
Mavis Koons threw a nifty 489 series at the EAT team to lead the Y-12ers in individual scoring. Her game scores were 182, 131, 176. Juanita Reed was close behind with 155, 140, 175-469; then came Dot Park 141, 158, 125-424; Ruby O'Kain 159, 113, 148-420; and Doris Walton 147, 152, 104-403.

Rifle Marks Close; K-25 Is Next Foe

Competition is keen among members of the Y-12 rifle team, which meets the K-25 men's team tomorrow night, Thursday, January 20, for top scoring averages as the season progresses. Leaders are well bunched in both scratch and handicap firing, with the top marksmen on the Y-12 team being well up among the best of the other teams in the Oak Ridge League in the race for medals to be awarded at the end of the league's winter season in April.

A hearty invitation is issued to all Y-12ers interested in joining the rifle squad. Previous experience is not necessary and instructions and all necessary equipment will be provided as needed. A telephone call to Y-12 Recreation Supervisor W. H. Stanton, Jr., at 7753 or W. R. McIntosh at 7282 will get all information. Practice sessions are held on week ends.

To date the top scratch average score is held by McIntosh with 171. Then come W. D. Cunningham 170, C. G. Brewster 169, R. L. Vanderpool 179, R. W. Miller 167, W. A. Sahr 166, R. C. McIlhenny



THEY MIGHT CALL THEM SCREWBALLS OFF THE BOWLING ALLEYS, too, but as a bowling team the Screwballs of the C League were smart and able enough to win first round of the season honors by a goodly margin. From left squad members are Frank Zupan, G. L. Anderson, H. O. Runge, P. A. Cuthbertson, L. G. Spence and R. E. Seivers. Although blanked last week by the hot Hot Wires, the Screwballs are considered strong contenders for the second round league title.

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Physical Fitness Group Grows In Favor; Marty Medved Appointed To Lead Class

As a result of the interest already shown by 22 Y-12 men in the Physical Fitness Group activities, the organization definitely will continue to hold sessions every Wednesday night at Elm Grove School. The "get the kinks out" club will hold its meetings from 8 p.m. to 10 p.m.

Marty Medved, of the Analytical Development Department, an Army veteran with considerable experience in physical education work, will take over leadership of the group for the remainder of the season. He is a newcomer to Y-12 but is experienced in all phases of conditioning and methods of keeping the body in physical trim and also believes in practicing what he preaches.

The program for the Physical Fitness Group will consist of from 12 to 14 different exercises designed to loosen various muscles, organized games such as volleyball and other non-contact sports and individual exercise such as tumbling, weight lifting and bar exercises. Participation in the various phases of work is left entirely up to the individual.

Anyone wishing further information on the activities of the Physical Fitness Group is asked to communicate with the Recreation Office, Bldg. 9704-2, Room 221, plant telephone 7753.

Norris Bowlers Tip Y-12 Pinmen

The Y-12 men's varsity bowling team slumped in the last two games of its January 10 match against Norris Creamery after taking the first tilt by a wide margin, with the final results showing the Norris team taking three points. Only 10 pins separated the teams in total pinnage with Norris edging out in front by 2549 to 2539. Y-12's game scores were 852, 871, 816 to 817, 891, 841 for Norris.

Y-12 individual scores were Zupan 199, 170, 175-544; Pryson 163, 191, 166-520; Gragg 183, 176, 145-504; Spears 155, 172, 176-503; and Cobble 152, 162, 154-468.

Wolves, ADP Still Tied In B League

The Wolves and ADP pinmen of the B League of plant bowlers kept their hot race for the league lead in status quo last Thursday night, each winning three points to maintain a tie. The Wolves whipped Bldg. 9211 and the Cubs were victims of ADP. The Bumpers bumped the Rippers by the same margin and the two teams exchanged spots in the runner-up position, leaving the Rippers tied with the triumphant Rebels. The surprising Swingsters stung the Wasps for a four-point whitewash and the Rebels handed the All Stars a similar defeat and the Tigers clawed the Has Beens for three.

The Rippers had the best game scores for the night, a 919 scratch and 1050 handicap effort. The Bumpers' series scores were top with a 2651 scratch and 3020 handicap report. Joe Dunlap, Rebels, rolled a neat 229 scratch game, boosted to 256 with handicap. V. Williams, Bumpers, turned

Annual Meeting Set By Y-12 Credit Union

Continued from Page 1

ever, nominations may be made from the floor by any member.

Three members of the Board of Directors are to be named tomorrow night to succeed A. H. True, J. P. Snodgrass and Fred Henry, whose terms expire. True is vice president of the Credit Union. Other board members who remain in office are President Fortenberry, Secretary Jack Fisher, A. M. Schrader and Mrs. Lorena Causey, treasurer.

To Name Committee Members

E. A. Cobble, of the Credit Committee, is the only holdover member of that group with the terms of J. P. Blakely, R. W. McGill and C. V. Ketrone expiring, requiring three successors to be named.

Two vacancies will be filled on the Supervisory Committee with the terms of H. A. Reed and C. A. Gillihan expiring. A. K. Bissell is the holdover member of this committee.

Hot Wires Still Hot In C Bowling Loop

The Hot Wires continued their hot streak in the C League of plant keglers last week by knocking over the first round champions, the Screw Balls, for a four-point whitewash triumph to hold the only unblemished record in the loop. However, the buzzing Hornets piled up a couple of triumphs during the week, one a whitewash win over the Glass Arms, to hang on closely in second place, just one-half point behind the leaders. The Q Balls got into the winning column by taking three from the Rusty Five. The Deltas and C Shift were idle last week.

The Hornets monopolized scoring honors, individually and in team tallying. Forbes swept the boards for his team with a 192 scratch game, boosted to 223 with handicap; a 550 scratch series and 642 handicap series. The Hornets had the best scratch team scores with a 787 game and 2252 series. The Q Balls' 955 handicap game and 2830 handicap series both were tops for the night.

Team	W	L
Hot Wires	8	0
Hornets	7 1/2	1/2
Rusty Five	4	4
Glass Arms	3	5
Q Balls	3	5
Screw Balls	1	7
Deltas	1	3
C Shift	1/2	3 1/2

in a 583 scratch and 655 handicap series.

Team	W	L
Wolves	23	9
ADP	23	9
Bumpers	21	11
Rippers	19	13
Rebels	19	13
Swingsters	18	14
Wasps	16	16
Cubs	13	19
Tigers	13	19
All Stars	10	22
Has Beens	9	23
Bldg. 9211	8	24

J. A. Field Appointed Carbide Vice President

John A. Field has been appointed Vice-President of Carbide and Carbon Chemicals Company, a Division of Union Carbide and Carbon Corporation, according to an announcement made today by H. B. McClure, President of Carbide and Carbon Chemicals Company. In his new capacity, Field will be responsible for sales development and related activities, including the Company's fellowships at Mellon Institute, in Pittsburgh.

Field has just returned to the Company after a six-month leave of absence to act as Assistant Administrator of the Business and Defense Services Administration, United States Department of Commerce. In this capacity, he was responsible for the following commodity divisions: Chemical and Rubber; Food Industries; Leather and Leather Products; Textiles and Clothing; Containers and Packaging; Forest Products; Consumer Durable Goods; Building Materials and Construction; Motion Pictures and Scientific Instruments, and Water and Sewage Industries.

Field joined Carbide in 1936 as a Unit Foreman in the production of miscellaneous new chemicals. From 1939 to 1940, he engaged in research at Mellon Institute and came to the headquarters of the Company in New York in 1941. During World War II, he was a department head in the production of butadiene from alcohol at the Institute, W. Va., plant. He later became manager of the production control section, Office of Rubber Reserve of the Reconstruction Finance Corporation. After the war he rejoined Carbide as Product Manager in the Fine Chemicals Department, a position he held until he became Assistant Manager of the Fine Chemicals Department in 1952. He held this last position until he went to Washington in June, 1954.

He received his B.A. degree in chemistry from Yale University in 1935. After graduation he attended Oxford University on a Henry Fellowship. He now resides in Port Washington, Long Island, N. Y. He is a member of the American Chemical Society, Commercial Chemical Development Association, American Institute of Chemical Engineers, Chemical Market Research Association, Society of Chemical Industry, The Chemists' Club, The University Club of Washington, and the Yale Club of New York.

RESA Ridge Branch Admits 14 Scientists To Group

The Oak Ridge Branch of the Research Society of America elected 14 scientists to its membership at the January 10 meeting of the group, including several Carbide employees in the Y-12 Plant Area. The RESA is an honorary research society whose function is to honor and encourage original investigations in pure and applied science.

The 14 scientists admitted to the RESA Branch, as announced by W. H. Sullivan, chairman of the admissions committee, are G. H. Clewett, W. C. Grimes, Francois Kertesz, A. S. Berman, S. F. Carson, H. E. Banta, M. D. Silverman, W. S. Lyon, J. H. Junkins, J. C. Pigg, D. M. Lang, Sheldon Datz, W. W. Harris and P. F. Thurlow.

ORNL Pistoleers Beat Y-12 Outfit

Pistoleers of the Oak Ridge National Laboratory outfired Y-12 marksmen 1304 to 1212 scratch and 1455.586 to 1440.476 handicap in a match last Wednesday night, January 12. W. R. McIntosh led the scratch

IN TODAY'S WORLD...



Security Is Full-Time Job, Says H. B. Loper

"Security is a full-time job," according to Herbert B. Loper, Assistant to the Secretary of Defense for Atomic Energy. Here's what he has to say in a message to Y-12ers and other workers in national defense assignments.

Enemies Have Weapons

"In today's world, security is a full-time job. The loss and destruction that can be caused by modern weapons can hardly be imagined. Enemies of freedom have these weapons—thanks to the help or carelessness of persons who were trusted.

"Because of this, we are more concerned about safeguarding defense information and about espionage and sabotage than at any time in our history.

"It always will be a temptation to talk about the classified details of your work to your friends and to members of your family. However trustworthy they may be, this temptation must be resisted in every instance.

Follow "Need To Know" Principle

"Public or private discussions of classified information in the presence or hearing of a person who is not authorized to have knowledge or possession of that information are prohibited. One must faithfully adhere to the "need to know" principle that prescribes that neither rank, position nor clearance entitles a person to knowledge or possession of classified information. Such information is entrusted only to individuals whose official duties require such knowledge and who have been cleared.

"Yes, security is a full-time job, whether you are at work, at home or at play. Constant vigilance is the main defense against espionage and sabotage. In today's world—it is necessity."

Many Y-12ers Are Assisting Jaycees Celebrating Week

A large group of Y-12 members of the Oak Ridge Junior Chamber of Commerce are assisting the Jaycees in observing Jaycee Week, January 14-21, as proclaimed by the Oak Ridge Town Council.

The Y-12 members of the Jaycees are Jerome Andrews, Clyde Blossner, Phil Copeland, William Carden, Roger Cloyd, Donald Dunbar, John Gregory, Jesse Guin, Donald Hackett, Charles Hamer, Preston Hatmaker, William Henry, Howard Horne, George Inklebarger, Robert Kemper, Jr., Ernest Kennedy, Joseph Kurtz, Harvelton Locklin, Richard Luck, William Moles, John Perry, Ralph Renfro, Ted Robinson, William Rose, Lewis Skell, Marvin Shanks, Russell Smith, Fred Stout, Richard Teed and Harry Willis.

scorers for Y-12 with 251, followed by J. C. Ezell 250, P. H. Williams 250, L. E. Hedrick 233 and D. R. Alford 232. Handicap firing was topped by Hedrick with 289.133 then came Alford 288.760, McIntosh 287.730, J. H. Rowan 287.583 and Williams 287.270.

Harold K. Little Near End Of Air Force Stint

Continued from Page 1

ions, did considerable traveling. He spent one year in Korea, from May 1952 to May 1953. While there he was awarded the Good Conduct Medal, Korean Ribbon, United Nations Ribbon and the National Defense Medal.

Expects Discharge In February

Airman Little is scheduled to receive his honorable discharge about February 13, and is expected to return to Oak Ridge at once.

Of the original "Fighting Five" Kirkwood was the first to finish his stint in the Air Force, being discharged in December, 1953, after 33 months in service. His early discharge came as a result of a reduction in size of the Air Force at that time. Kirkwood has been back at work for about a year and is in the General Utilities Department.

W. A. Maddux was granted a discharge on December 24 so that he could enter the winter term at Tennessee Polytechnic Institute, Cookeville, Tenn., where he is studying law. His last base was at Macon, Ga.

C. J. Maddux, Jr., is the latest of the group to be discharged, being released on January 9 at Savannah, Ga. He was slated to return to work in Y-12 on Monday of this week.

The Maddux brothers are the sons of C. J. Maddux, Sr., of the Y-12 Buildings and Grounds Department.

The last of the group, Richard Garland, also is "sweating out" his discharge date of sometime in February, probably the same time as Little, at the Air Force base at Wilmington, Del. He is the son of Jack Garland, of the Stores Department.

Although nothing definite yet has been announced, it seems inevitable that the five young veterans will be planning one of those "hot time in the old town tonight" reunions when all are back in the vicinity. It will be worth looking forward to.

Rides Wanted, Offered

Ride Wanted — From 438 East Drive, Oak Ridge, to North Portal, straight day. E. A. Almgren, plant telephone 7-8226, home telephone 2-4285, Oak Ridge.

Ride Wanted — From Sutherland Ave. Village, Knoxville, to East Portal, straight day. Kathleen Davis, plant telephone 7714, home telephone 8-1716, Knoxville.

Two Car Pool Participants Wanted — From Norwood section to East Portal, straight day. Lee Bagwell, plant telephone 7741, home telephone 6-0476.

Riders Wanted Or Will Join Car Pool — From Norris, A Shift. M. J. Talley, plant telephone 7114, home telephone 6402, Norris.

Ride Wanted Or Will Join Car Pool — From North Clinton to North Portal, R Shift. W. C. Ward, plant telephone 7903.

Two Drivers Want to Join Or Form Car Pool — From Woodland section to Central Parking Lot, straight day. J. A. Russell, plant telephone 7711, home telephone 5-0368, Oak Ridge.

Riders Wanted Or Will Join Car Pool — From Vonore, Loudon, or Lenoir City, B Shift. W. O. Peterson, plant telephone 7369, home telephone 7369, Greenback.

Two Riders Wanted — From North Knoxville to Central Parking Lot, D Shift. Ray Lindsay, plant telephone 7466, home telephone 2-8794, Knoxville.

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