

Holiday Festivities Commence With Dance December 8

Instrument Society Announces Seminar

Dinner Meeting Also Set For December 1

The Oak Ridge Section of the Instrument Society of America will have a dinner meeting for members, wives and friends Friday, December 1, at the Deane Hill Country Club, Knoxville.

A fashion show will be featured for the ladies present, and door prizes will be awarded.

Meanwhile, the ISA announces its two-session seminar for Wednesday, November 29, and Wednesday, December 6. Featured panelists will be O. J. Baker and H. F. Dunlap, Oak Ridge Gaseous Diffusion Plant's Instrument Engineering Department. They will present a program which is basic to the understanding and design of digital instrumentation.

These sessions will be held at the Oak Ridge Institute of Nuclear Studies Training Building, Room C. Further information may be obtained by telephoning D. M. Papke, Oak Ridge phone number 482-1627.

November Poster Contest Nears End

The dead-line for the current poster contest sponsored by the Safety Department is announced as next Thursday, November 30. No entries are valid after that date. "Radiation Safety and Evacuation Procedures" is the theme of the November race, offering Y-12ers ample room for ideas and original themes.

Prizes for the competition are a beautiful, modern wall clock and an electric frypan. These fine awards should be sufficient to draw many ideas from throughout the plant.

Any employee in the Y-12 area is eligible to enter, as well as any member of his family. The name, department, badge number of the entrant, or relation to any employee must appear on each entry. Any employee may also make as many entries in the contest as he wishes.

'Many-Body' Problem Is Topic Of ORNL Seminar

The Oak Ridge National Laboratory Physics Division announces its seminar for Friday, November 21, as "The Nuclear Many-Body Problem." John W. Clark, Princeton University, Princeton, N. J. will lead the discussion.

Held in the East Auditorium of Building 4500 in ORNL, the seminar is open to all interested technical personnel.

Accountants Have Meet Yesterday At Dwarf

The regular monthly meeting of the Knoxville-Oak Ridge Chapter of the National Association of Accountants was held yesterday, Tuesday, October 21 at the Dwarf Restaurant.

Guest speaker for the meeting was Ben O. Harmon, General Accounting Manager, Southern Bell Telephone and Telegraph Company. He spoke on the "Impact of Taxes."



MAKING ITS DEBUT BEFORE Y-12 AUDIENCES will be the O. J. Bailey Orchestra, from Chattanooga. The musicians will be featured at the big Christmas Dance coming at the Oak Terrace Ballroom, Friday, December 8. Seated in the front row are, from left, Barry Jones, baritone sax; Al Layton, lead alto sax; Bob Gibbs, trumpet; and Jack Lindsey, tenor sax. In the second row are vocalist Sandra Etter; drummer Chet Hedgecoth; Bob Watkins, bass; orchestra leader O. J. Bailey, on the trombone; and pianist Freddy Shaw.

Classic Event Is Established Y-12 Tradition

New Orchestra Makes Debut At Oak Terrace For Annual Plant Hop

Are Y-12ers too old to do the twist — that fantastic new dance making the rounds in the younger generations? There's never been any hesitation for new dances before. Three or four seasons ago the cha-cha made its debut on the Oak Terrace wood. Y-12ers took this one in their stride.

One of the big highlights for the Christmas season is the big, big Y-12 Dance, this year scheduled early. It falls on Friday, December 8. This year's affair promises to be bigger than ever.

A new orchestra will make its first appearance before Y-12 audiences as O. J. Bailey's orchestra from the fair city of Chattanooga is slated for the event. Complete with vocalist, the music-makers have played at one dance to Oak Ridge audiences. They had their initial big hit appearance before Spring dancers from the Oak Ridge Gaseous Diffusion Plant.

No Advance Sales

There will be no advance sale of tickets in the plant for the Christmas dance. All tickets will be available at the door to and during the festivities. Recreation announces that tickets may be purchased from Room 149, Building 9704-2. Admission price is \$1.50 per ticket, or \$3 per couple.

The Chattanooga orchestra consists of O. J. Bailey, trombonist who leads the melodymen; Chet Hedgecoth, drums; Bob Watkins, bass; Barry Jones, baritone saxophone; Al Layton, lead alto sax; Bob Gibbs, trumpet; and Jack Lindsey, tenor sax. Vocalist is Sandra Etter. Featured pianist with the aggregation is Freddy Shaw.

No Table Reservations

Tables at the Oak Terrace are always on a "first come-first served" basis since no tables can be reserved. So, Y-12ers are urged to mark Friday, December 8 on the calendar immediately. The huge crowd of merry-makers at the traditional Christmas dances makes this one of the most popular affairs held by the plant all year. No one seems to mind the crowded ballroom, the shuffling for seats, and the nearness of tables. The holiday mood always brings an ample crowd of happy holidayers in festive moods worthy of the season.

Door prizes will be offered in the traditional "feed" vein, a fruit cake, country ham, and turkey. Three lucky ticket-holders will march away with these fine gifts.

Dance Traditional

The traditional Christmas dance goes back historically to the very early days of Y-12. Through the years it has lost none of its attractiveness and popularity.

Although it seems early to be talking about mistletoe and holly, the time has come! See you all at the Big Christmas Dance at Oak Terrace, December 8!

Adult Education Sets Winter Quarter Date

Varied Classes Offered In High School Program

The Adult Education Program at the Oak Ridge High School is open this week for registration in the 12 week winter quarter. Hours for registering at the High School are from 6:30 to 9:30 p.m. Classes begin next Monday, November 27 and extend to March 3.

Business courses offered include accounting, business psychology, clerical procedures, consumer economics, filing and indexing, shorthand, medical secretarial course, office machines, pharmacology, and typing.

General courses included in the Adult Education program include such varied subjects as animal handling, architectural drafting, art, blueprint reading, bridge, driver training, English for foreign born, mathematics, rapid reading, and general sewing. Foreign languages offered are French, German, Italian, Russian and Spanish.

Registration fees are nominal for the courses, and many subjects qualify for aid under the Carbide Educational Assistance Program.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 5 Days Or 140,000 Man-Hours (Unofficial Estimate) Without A Disabling Injury Through Nov. 19 Phone 7755 For Daily Report On Accident-Free Hours

Thanksgiving Marked With Day At Home

Tomorrow, Thursday, November 23, will be observed as a holiday in the Y-12 Plant. No employees will be required to work except those required for the continuous operation and protection of the plant.

For 36 years, editor Sarah J. Hale, editor of Godey's Lady's Book, editorialized for the observance of a national day of Thanksgiving. Finally in 1863, a copy of one of her numerous editorials fell on President Lincoln's desk. It was during the Civil War, October 3, 1863, that Lincoln set aside the last Thursday in November to be observed nationally as Thanksgiving Day. In recent years the fourth Thursday in November has been designated as that special day of thanks.

Editor Hale wrote, "It has seemed to me fit and proper that they (material gifts) should be solemnly, reverently and gratefully acknowledged as with one heart and one voice by the whole American people."

AEC's Seaborg Sees Good In Atom For All

In a recent address in Chicago before the joint Atomic Industrial Forum — American Nuclear Society banquet Dr. Glenn T. Seaborg, Chairman of the United States Atomic Energy Commission, said, "The vigorous combination of science and engineering which has flourished in our free society has shown us potential benefits in the atom for the good of all mankind. The partnership of industry and Government has already made our nation a leader in the effort to realize this potential for the benefit of all people."

NATIVE SONS

About one-half the population of Paris, France, were born and reared in that city.

2 Lost-Time Mishaps Darken 1961 Record

November Brings Total Accidents To Fifteen

Trouble, like bananas, comes in bunches. Y-12 suffered its 14th and 15th lost-time accidents last week, darkening the safety picture further for 1961.

On November 13, a process operator in the Chemical Department of Chemical Operations amputated part of his little finger on the left hand. He was attempting to remove a drum from a hood with a hydraulic drum lift. The drum had a guillotine type door. In an attempt to lower the drum to permit it to be removed through the hood opening, the employee inadvertently pushed the control lever in the wrong direction which caused the drum to raise. His little finger was caught between the rim and the bottom of the door, resulting in its amputation at the first joint.

The other lost-time accident occurred in the Biology Division, when an Oak Ridge National Laboratory employee in Y-12 received lacerations on both hands as a result of breaking a glass cylinder against a carboy. The ORNL employee was hospitalized after tendon repair and suturing. This accident happened Tuesday, November 14.

This brings the total in November alone to three, as one was incurred November 9, bringing to a close Y-12's 28th period without a lost-time mishap. The string ended at 64 days, or 2,322,000 man-hours.

FUTURE SCIENTISTS

A Science Fair in a high school somewhere in Illinois recently turned up an interesting exhibit. Built into a shadow box was a rock display. Under the box hung the legend: "Rocks from Elvis Presley's driveway."

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division of
UNION CARBIDE CORPORATION

JAMES A. YOUNG Editor

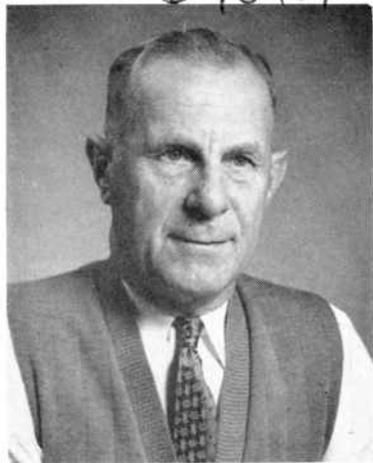
OFFICE

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Ogden Named Local Civil Defense Head

Y-12er Long Active In CD Maneuvers

6-10404



Arthur F. Ogden

In a recent session the Anderson County Court has appointed Arthur F. Ogden County Civil Defense Director. Long active in civil defense interests, he lives at 306 West Fauce Road, Oak Ridge.

The Anderson County group boasts the first women's rescue team organized in the nation.

Completely voluntary, the organization is set up to act quickly and efficiently in emergency situations. A great deal of training and conditioning is required of the volunteers.

Ogden, who is a foreman in Buildings and Grounds, came to Y-12 May 26, 1947. He had been with the Tennessee Valley Authority prior to his arrival in Oak Ridge, and had worked with the American Bridge Company, Pittsburgh, before that.

Born In England

A native of England, he was born in Featherstone County in Yorkshire. His parents migrated to this country when he was a small child, settling in Alabama.

He was responsible for the maintenance of "Disaster Village" in Oak Ridge, a simulated area where dangers and hazards could be fought firsthand. He has long been active in civil defense work, and is in demand throughout the area for lectures on defense.

CD Interest Grows

Interest and concern in defense matters have long been dormant among American people. As of late, however, the vital activity is getting more and more attention. Civil Defense is organized to take over in any emergency, in war and peace. Any disaster or local emergency would bring the group into activity. They work in conjunction with other agencies set up for this type of work.

The appointment carries no salary. The vital job, however, is very important to the welfare of all the people of this area.

SHAW ON OPERA

Possibly the greatest operatic song in literature is Sarastro's aria from Mozart's opera, "The Magic Flute." George Bernard Shaw said of it, "It is the only music yet written that would not sound out of place in the mouth of God."



Luther Seals, Processing Analysis wit extraordinaire, says he is writing a book called "I Was A Teen-Age Idiot." Editorial assistance has been offered from this department with a sequel called "I Was An Adult Idiot."

Before this stupendous opus is started, let's get Y-12 and its journalistic efforts out of the way.

FINANCE AND MATERIALS

Microreproduction and Engineering Services (wheew, what a name for a department!) has J. M. McMaster vacationing in Jackson, Tenn. . . . Wayne Silver decided to join the deer-hunters for a few days while he was vacationing.

The Mail Department recently enjoyed a pleasant weiner roast at Ernest Duncan's new home out in the Claxton Community.

Timekeeping keeps apace with the news with R. P. Davis taking it easy at home in Lenoir City . . . Wilbur Hamby doing likewise in Clinton.

Plant Records has C. H. Roddy (No Junior, please) deer-slew in Norfolk, Va. for a few days last week.

Property folks presented one of their fellow employees with a \$100 U. S. Savings Bond. Howard I. Esty resigned November 10, because of poor health. Fellow employees and all his friends in Y-12 wish him the very best. He came to work in Y-12 September 15, 1944, and lives at 322 West Outer Drive, Oak Ridge.



H. I. Esty

Definition of upper crust — a few crumbs held together by a lot of dough.

MECHANICAL OPERATIONS



Deborah Ann Barker

This laughing little cutie is the four months old daughter of R. B. Barker, Special Mechanical Production, in the H-2 area. Her proud grandpop also is a Y-12er, W. J. Barker, Alpha Five Machine Shop. The Barkers (both pop and grandpop) live in Oak Ridge, the younger at 105 E. Dalton Rd., and the elder at 120 Parsons Rd. The R. B. Barkers have one other child, a son, Bobby, Jr., who is two years old.

The Alloy Shop sends good wishes to G. L. Miller and E. F. Smith, both on the ailing list.

The General Machine Shop is also speeding good wishes to J. R. Heater, John Cooley, Bob Lowery, and Sam Lindsay.

Shop vacationers this week are C. A. Stanaland who plans a grouse hunt expedition over in Morgan County . . . R. L. McIlwain plans to go to Mobile, Ala. and to Waynesboro, Miss. to visit kith and kin . . . G. A. Kirk visits his five grandchildren to spoil

them a little . . . E. Collier is bird hunting around home . . . (Did you hear about the man who killed an old crow behind his barn?) . . . J. S. McCarty decided to call on relatives in Kosciusko, Miss. . . . Hugh G. Richards took off to Baton Rouge to visit his son Bob at Louisiana State University . . . J. C. Brumit chose upper Tennessee to see relatives . . . J. A. Kessler is seeing the Great Lakes area . . . Russell Hopper, along with his daughter and son-in-law from Birmingham, Ala., are travelling up to Lexington for the big battle between Tennessee and Kentucky this week-end.

Other vacationers with no particular plans than just taking it easy, include H. F. Dick, H. L. Howell, C. M. Wall, and C. M. Stogsdill.

INDUSTRIAL RELATIONS

Liz 'lows there ain't nothing but miseries down the Fire and Guard way. So get well wishes are sent to H. J. Ballew and C. H. Nicely in Oak Ridge Hospital . . . W. M. Boucher and Captain M. L. Woodard . . . yep, they're over there too. She sez she might just move her business over there too!

Also Liz Campbell reports a very enjoyable visit out Chief Miles Bradford's way in Norris the other day. The Chief and Mrs. seem to be enjoying retired life very much!

Safety has E. G. "Sonny" Richardson vacationing for two glorious weeks in the even more glorious state of Florida. The Richardsons' son lives at Eair Gallie (sp?) and they plan to visit him while down thataway. Personnel Records has Meta Butler visiting in the West Tennessee country last week, specifically around Camden.

Wage Standards' Campbell King decided last week he'd just stay around home and take it easy.

Down about the Cafeteria they say that Irene King is taking what sounds like a mighty pleasant trip . . . first to Rutherfordton, N. C., then on down to various parts of the Sunshine State of Florida.

Benefit Plans folk are sending their best wishes with Mary Jo Otten, leaving Friday.

Medical reports Mavis Kuhns flying out to St. Looie this week for a vacation.

There's one thing you can say for children — they never pull out pictures of their grandparents.

SHIFT SUPERINTENDENTS AND UTILITIES



Tommy Wright

"I'm Only One Year Old Here!" Another happy youngster joins

Continued on Page 4



Lt. and Mrs. Robert A. Slover



SLOVER-SHEPARD

Two Y-12 families were united in marriage recently. First Lieutenant and Mrs. Robert A. Slover were married Saturday, October 14, at the home of the bride's sister, Mrs. George Owens, 2300 McClain Road, Knoxville. The Reverend Alvin B. Amos performed the double ring ceremony.

The bride is the former Peggy Deanna Shepard, daughter of Mr. and Mrs. Paul E. Shepard, Sherwood Road, Powell, and her father is employed in Y-12's Buildings and Grounds. The groom is the son of Mr. and Mrs. Lonnie A. Slover, 112 South Purdue Avenue, Oak Ridge. His father is in Research Services.

Given in marriage by her father, the bride wore a two-piece olive green dress. Her veil was held by a gold velvet headband. She carried a white Bible topped with an orchid.

Miss Jan Winzinek, Oak Ridge, was the bride's only attendant. She wore a white and purple wool sheath dress.

Serving as the groom's best man was Harold Winslett, Oak Ridge.

Sister Gives Reception

After the ceremony, the bride's sister, Mrs. George Owens, entertained immediate friends of the two families with a small reception at her home.

Mrs. Slover is a 1956 graduate of Oak Ridge High School, and was recently employed at the Fountain City Bank.

Groom Is Pilot

Lieutenant Slover is a 1953 graduate of Oak Ridge High School, a former student of the University of Tennessee, and a graduate of the Aviation Cadets, Class of 1957. He is presently stationed at Blythville Air Force Base, Arkansas, where he is a B-52 pilot.

After a honeymoon in Gatlinburg, the couple is at home at 1662-BE Center, Blythville Air Force Base, Blythville, Arkansas.

Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10-year anniversaries with Carbide within the next few days.

15 YEARS

Maurice G. Crouch, Utilities, November 22.

Jess Johnson, Heavy Equipment Maintenance, November 22.

Ernest Lawson, Process Maintenance, November 28.

10 YEARS

Glenn E. Fisher, Electrical, November 23.

Thomas J. Walters, Research Services, November 26.

Offie Trull, Area Five Maintenance, November 26.

Jesse L. Spray, Research Services, November 26.

Julia S. Reeves, Personnel Records, November 26.

L. C. Manley, Janitors Department, November 27.

AEC Promotes Study Of Radiation Illness

Research on radiation sickness protection and treatment will be carried out under a contract between the Atomic Energy Commission and Baylor University Medical Center, Dallas, Texas.

The research work will be conducted under Dr. John T. Mallams as senior investigator. The contract is one of more than 200 research contracts with educational organizations administered by the AEC's Oak Ridge Operations.

The Baylor work will involve attempts at defining the biological dose of radiation received by mammals in terms of tissue break-down products, and lessening of radiation effects through control or elimination of these products from the body.

'Little Things' Often Do More Than Just Count

The next time you scoff at the expression, "It's the little things that count," remember that

Termites destroy more property than do earthquakes.

Rodents are more destructive than tornadoes.

More fire losses are caused by matches than volcanoes.

More heartache and sorrow is caused by little words and deeds of unkindness than by open acts of dislike or enmity.

More character is damaged by small evils than by flagrant violations of morality.

Classified material must not be left lying around.



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

Ray Ballew, Steam Plant; Glen Barton, Chemical; Grady Simpson, Beta Four Assembly and Forming; Fred Herrin, Product Quality Acceptance; J. D. Frey, Sunflower Shop; E. C. Barnes, Mechanical Maintenance; A. F. Kasey, Area Five Maintenance; H. J. Ballew, Guard Department; W. C. Morrow, Z Area and Dispatching; and M. L. Woodward, Guard Department.

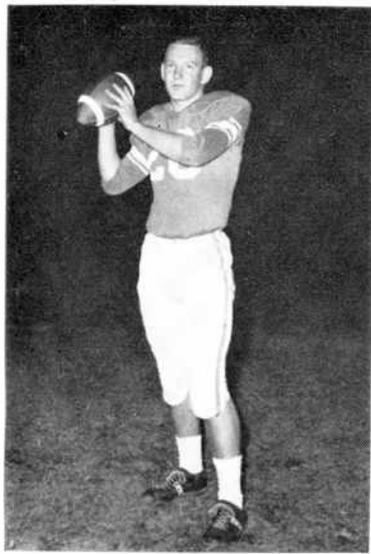
Bird's-Eye View Gave Meat Freezing Go-Ahead

In 1912, an American naturalist was living in Labrador, where the weather was nearly always cold enough to freeze meat left outside. The man noticed that meat frozen almost instantly in the sub-zero weather of winter tasted much better than foods frozen in the spring and fall.

The same naturalist, Clarence Birdseye, sold his frozen foods company for \$22,000,000, in 1929.

BLUE TAHITIAN MOON

The French government of Tahiti, fearful of modernization that might drive away tourists, has decreed that all new construction must be in the Tahitian style, preferably with thatched roofs.



Homer Julian, Jr.

Julian Son Put On Tri-County 11

Harriman Back Sparks Team's Only Win

Homer Julian, Jr., son of Homer Julian, Y-12's Process Maintenance, was recently selected to the All Conference Team from the Tri-County area. The area encompasses high schools in Roane, Rhea, and Cumberland Counties.

Spring City, the conference champions, led the roster with five boys on the squad, and Kingston followed with four. Julian was the only Harriman player to place on the squad.

The Harriman Blue Devils, in hapless play all season, finally won their first and only victory week before last as they smothered South Harriman High 28-0. Julian scored three of the four touchdowns of the game. Playing on a muddy field, the outstanding back spearheaded the team's big victory. The upset win climaxed one of HHS's poorest seasons in years, despite Julian's fine offensive play.

The Julians live at Route No. 3, Harriman.

Winter Sports Set For Carbiders Soon

Badminton and ping pong players have the scene all set for them in winter sports, as the three Carbide plants line players up for action. Badminton, as announced by Recreation, takes place ever Thursday, beginning November 30, at Jefferson Junior High School. Sessions will be held at 6 p.m. and last until 10:30.

Table tennis fans will be set up at the Wildcat Den, beginning next Monday, November 27, at 7:30 p.m. Play will take place there every Monday night during the winter. All equipment is furnished.

Further information may be obtained by calling the Recreation Department, telephone number 7109.

Guttersnipes Gain In Lanes At Kingston

Y-12's contingent in the Kingston Bowling League, the Guttersnipes, took on the league-leading Rookies last week. They narrowed the wide gap between them considerably by plastering the Rookies by three points. Y-12's fair-haired boys are still ten full points away from first place, however.

Evidence of the Guttersnipes fine mastery of the wood last Wednesday is proof of their scoring. They took team handicap singles with 1003 and series handicaps with 2944, led by their own Allstum who posted scratch series score of 559 and handicap series posting of 643.

League standing follows:

Team	W	L
Rookies	32	8
Guttersnipes (Y-12)	22	18
Could Bes	21	19
Head Pins	18	22
Sparemen	14	26
Alley Cads	13	27

8 Basketball Teams Enrolled As Play Nears

Thus far, eight basketball teams have signed for the Carbide Basketball League, which opens play Monday, November 27 at the Oak Ridge High School gymnasium. Six of these teams are from Y-12, two from Oak Ridge Gaseous Diffusion Plant.

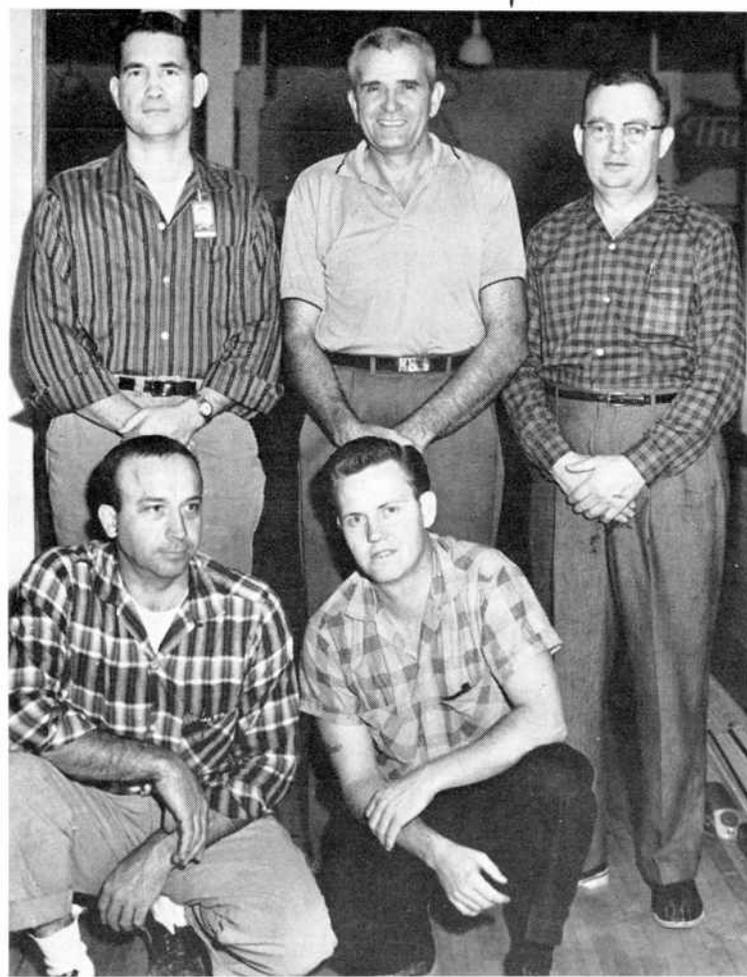
The two teams from ORGDP are listed as **Lab Demons** and the **Peons**. Y-12's teams are the **Kingston 5**, **Atoms**, **Eagles**, **B Shift**, **Hoopniks** and **Jay Birds**.

All Monday games will be played at the High School gym, while Thursday's games will be at Robertsville Junior High School's gym. The first games will begin at 6:30 p.m., while the whistle blows for the second games at 7:45.

No volleyball teams have indicated interest in getting into the All Carbide Volleyball League. If a team is interested, some representative from the team should call Recreation, at plant phone 7109.

Game Fish Saved In Cherokee Lake

As a result of fish rescue operations during October, 53,358 desirable fish have been salvaged from the receding waters of Cherokee Lake. Fish rescue teams, working for the Game and Fish Commission, recovered the fish. Included among those saved were 19,292 largemouth bass, 16,292 crappie, and 13,998 bluegill. In addition to the more desirable species removed, some 17,000 pounds of rough fish such as carp and shad were destroyed.



CURRENTLY SETTING D ALLEYS AFIRE are the Dry Hides, Y-12's star attractions in the D League at Oak Terrace Bowling Lanes. Kneeling in front row are Paul Rudd and Al Smith. Team Captain Ray Waldrop is joined in the back row by Max Bezik and Ambrose Ballard. Not shown are teammates Roger Cloyd and Bob Phillips.

Dry Hides Forge Ahead In D League's Bowling Competition At Terrace Lanes

Y-12 Rodders Also Improve Position With Win; Both Teams Score Handicaps

The two Y-12 teams in the D League for Carbide bowlers "busted" the lanes wide open last week, by taking a clean sweep across the board for top honors. Individual honors went to the Rodders' D. D. Thacker and Ely Squires, with 239, and 645 handicap scores. Y-12's other team, the Dry Hides, took team honors with 1053 and 3010 handicap scores.

By virtue of their three point win over the Guttersnipes, the Dry Hides strengthened their slim lead in the D League. Handicap scores by the winners saw Bezik with a 616, Ballard with 635, and Smith with 605.

The Rodders took three points from the Sh-Booms. Handicap scores in this team saw Squires with 631, Edwards with 605 and Thacker with 645.

League standing follows:

Team	W	L
Dry Hides (Y-12)	16	5
Gassers	13	8
Termites	13	8
Kemix	12	9
Alley Rams	11	10
ORINS	11	10
Sh-Booms	11	10
Pin Heads	10	11
Beryls	10	11
Rodders (Y-12)	10	11
Hephex	5	16
Guttersnipes	2	19

Guard your conversation.

Volleyball Contest Begins December 7

Volleyball gets underway for Carbide employees Thursday, December 7, at the Oak Ridge High School gymnasium. The first serve is scheduled for 7 p.m., with other games set at 8. Y-12 employees interested in participating in the lively competition should contact the Recreation Department, telephone 7109.

MAPLE LEAF FOREVER

Statistics show that Canadians enjoy the best health in the world. Recent studies reveal that the average life span north of the border is the longest in the world.

22-League Sees Y-12, ORNL Tie

Handicaps Established For All Riflemen

Y-12 and the riflers from the Oak Ridge National Laboratory have a lock on first place in the 22-Rifle League for Carbiders by virtue of their split-score in last week's firings. Y-12 captured scratch scores with 1140 to ORNL's 1130; while the ORNLites took handicap honors with 1166.-973 to 1160.448 for Y-12.

Handicap scores were established by the riflemen in the third firings. Y-12's teamsters have firing handicaps as follows:

Bert Searles	292.214
Al Blay	288.254
Ed Brady	288.486
Jack Huff	289.600
Carl Brewster	290.148
Harry Hays	287.378

Top scratch firer for Y-12 was Jack Huff with a high 288, followed by Bert Searles with 287, closely followed by Ed Brady with 285.

League standings follow:

Team	W	L
Y-12	3	2
ORNL	3	2
Independents	4	1
ORGDP	0	5

Rollmasters Drop 4 Points Along The Way

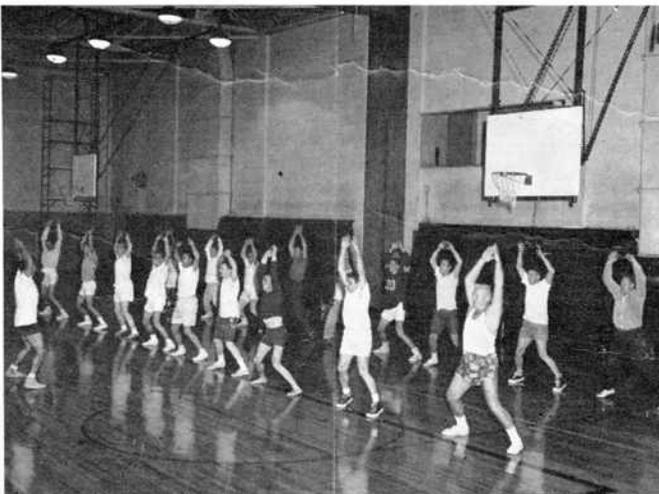
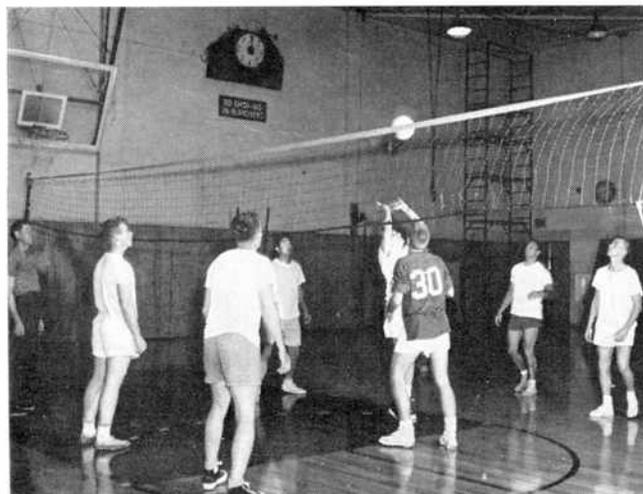
It was a bad night in the Wednesday League for Carbide Bowlers last week! They dropped the full score of four to the Sand Baggers. The tightly fought league has only a few points between teams all along the ladder.

No Y-12ers took any individual honors at the alleys at the Terrace. Better luck, next time.

Team	W	L
Head Pins	30	14
Sand Baggers	29	15
Pirates	24	20
Cast Offs	24	20
Planners	23½	20½
Woodpeckers	22½	21½
Rollmasters (Y-12)	22	22
Mix Ups	21	23
Wallops	21	23
Wacos	20	24
Lab Demons	16	28
Rookies	11	33

Cottontail, Quail Season Now Open

The open season on quail and rabbit in Tennessee got underway Monday, November 20, according to law enforcement agents of the Game and Fish Commission. The open hunting season on the two popular game species will extend through January 25, 1962. The bag and possession limit for rabbits remains the same as last year—a daily limit of five and a possession limit of 10 cottontails. The bag and possession limit on quail, however, has been reduced to eight and 16 birds respectively.



GOING THROUGH THE MOTIONS of keeping fit are these Carbiders, who gather every Tuesday at the Oak Ridge High School gymnasium. The change was made necessary by the oncoming volleyball season.

Various calisthenics, exercise and gym games facilitate taking inches off the old waist-line. The classes are sponsored by the three Recreation Departments, and instructions are given by Herky Payne, an

ex-Volunteer tailback. Any employee desiring to take part in the physical fitness classes may obtain more information from the Recreation Department, telephone 7109.

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Continued From Page 2
the column ranks this week as Tommy Wright, handsome little son of Mr. and Mrs. Charles Wright. His grand-daddy is **Kenneth H. Wright**, of Y-12's Steam Plant. Little Tommy was born May 27, 1960, and quite naturally, is the apple of his grandmother and grandfather's eyes.

Eugene Clowers and **J. A. Braden** decided to join fellow hunters this week on the range . . . **J. A. McCall** is also on vacation, didn't say whether he was going hunting or not . . . or for what . . . Get well wishes are extended to **T. C. Wilson** and **W. A. Eubanks**.

If you give four children 12 lollipops, how many will each get? If you said three, you're wrong. The two biggest ones will get five, and the other two will get one each.

ENGINEERING

Mechanical Engineering reports **Paul Bayes** vacationing in Knoxville . . . **Lil Higgins** making a tri-city thing out of a vacation, seeing Atlanta, Chattanooga, and Knoxville . . . **Doris Thomas** is doing her Spring of 1961 cleaning this week (Is this Spring?) . . . **Fran Willie** was going to help her, but nobody's putting any money on it . . . **O. T. Smith** is being congratulated for his fine boy who arrived in the Oak Ridge Hospital November 11, weighing eight pounds . . . no name at press time . . . The waters, woods and fields around Norris are the sights for **Grover Bell** on vacation . . . And still bragging about his prowess as a predictor of football games is **Dick Greene**. He won a transistor radio the other day in the Knoxville News-Sentinel football contest . . . **Mildred Lister** has gone to Alabama, without a banjo on her knee.

Never tease your wife about her ignorance. If she had been wise, remember she would have married someone else.

MAINTENANCE

In Research Services in the cigar department it's **John Schmitt** this time . . . welcoming in little Stephanie Louise, born November 5, weight six pounds seven and one-half ounces. Congratulations! . . . **C. B. Bridges** is going up to Lexington to see the Vols beat Kentucky Saturday.

Electrical dug down and came up with a volume. **R. C. Blevins** and **W. F. Grigsby** spent a recent week just relaxing . . . It's off to Malcen, Missouri for a visit with his mom and dad for **W. K. Fulbright** . . . And it's Florida for **W. M. Akers** . . . Killing the old birds is **W. D. Brock** . . . And after the big ones (fish, that is) in the lakes is **O. C. Collins** . . . **I. F. Cox** decided to catch up on his rabbit hunting . . . **C. G. Treece** planned some house repairs and some grouse destruction . . . **D. G. Porter** planned to hang around home and just loaf . . . **Frank Marlin** recently visited in Florence, Ala. . . . **R. R. Chilcoat** went down to Alabama . . . **B. M. Tate** said he was just going to sleep late while on vacation . . . **Mary Hensley** is vacationing at home in Kingston . . . **George Draughn** recently spent two weeks deer hunting around Crossville . . . **C. F. Huskey** hunted the bears before they terminated (er, that is, hibernated) over around Tellico . . . **E. C. Ward** vacationed around home in Clinton . . . **E. Sharp** is sporting a new white car . . . a beauty, too! . . . It looks like going to school pays off more than just with education. **E. W. Pipes** got a free pass to the UT-Georgia Tech game recently.



Ride wanted from Guinn Road, Solway section, to North Portal, straight day. Alice Faye Dixon, plant phone 7-8412, home phone Oak Ridge 483-8195.

'Thin Configuration' Is Topic Of ORNL Seminar

The Oak Ridge National Laboratory Physics Division announces a seminar for Tuesday, November 28. E. F. Lewey Bertaut, from the Institute Fourier, Grenoble, France, will speak on "The Lattice Theory of Thin Configuration."

Scheduled for 3:15 p.m., Tuesday in the East Auditorium of ORNL's 4500 Building, the seminar is open to all interested personnel.

HAVE YOU ANY WOOL?

The economy of New Zealand revolves almost entirely around its sheep population.

Beta Four's Special Projects had **George** and **Wilma Drevik** recently on a rooting-tooting-

TECHNICAL

Beta Four's Special Projects had **George** and **Wilma Drevik** recently on a rooting-tooting-



RECEIVING HIS \$1 award letter is Victor M. Hovis, Mechanical Development. His patent was assigned for an "Improved Shaft Sealing System." Making the presentation to Hovis is Y-12 Plant Superintendent Robert G. Jordan. Edward W. Bailey, Superintendent of Mechanical Development, looks on at left, as does Roger F. Hibbs, superintendent of the Technical and Development Divisions.

Victor Hovis Awarded \$1 Patent Assignment For ORGDP Development On Shaft Sealing

Gun Is Weapon, Never A Toy!

According to the National Rifle Association of America, more than thirty million Americans own and use guns — hunters, competitive marksmen, collectors, law enforcement officers, or other persons who, for various reasons, are legally entitled to carry guns. Each year, through the careless use of these weapons, many avoidable accidents occur either in the home or in the field. Many accidents of this type occur when "unloaded" guns are being cleaned. In a home where there are small adventurous children, firearms and ammunition should be kept under lock and key at all times.

Now that the various bird and game seasons are beginning to open, it should be remembered that your target should have feathers or antlers — not two legs and a red hunting cap. Care should also be taken while crossing fences and while going through gates and other barriers. If you should get tired while hunting, don't use your gun to lean on — a tree or post would be much better.

Just remember that guns should be used with respect and care, and should not be brandished about like a toy.

shooting vacation in Cicero, Ill. . . . Tonsils, bugs and virus . . . Troubles do surround us, philosophizes the Beta Four scribe. **Chuck Maberry's** daughter, Barbara, slipped and banged herself up in the tub but her rainbow-colored eye is gradually fading away. In the meantime, Chuck has been working around the office with his hand and forearm practically mummified with bandages covering grease burns . . . **Alex Varlan's** three young ones have had their share of whooping, coughing, etc., and the parents have had their share of sleepless nights . . . **Ken Bernander** has been going around with a hedcode and various members of his group are wheezing and sneezing in sympathy with similar ailments. His youngest son underwent a recent tonsilectomy with a little pain, a little strain, and a real quick recovery.

What we see is usually what we look for. Right now let's look for a way outta here!

SPONTANEOUS INCUBATION

Snakes usually lay their eggs in piles of rotten leaves or wood, where the heat decay aids the sun's warmth in incubation.

Development Division Again So Honored

"Though the mills of God grind slowly, yet they grind exceedingly small," might be said of the patenting business. Although Victor M. Hovis has been in Y-12 since March 1, 1958, he was recently awarded a \$1 patent from Union Carbide Nuclear Company for the assignment of a patent to the United States Government, developed while he was employed at the Oak Ridge Gaseous Diffusion Plant.

Hovis was presented his award in Robert G. Jordan's office Monday, November 13.

The title of his patent is "Improved Shaft Sealing System," and the development is classified. The development engineer is in Mechanical Development. He came with UCNC July 1, 1953.

The award letter came from Clarence E. Larson, UCNC vice president, and read:

"Union Carbide Nuclear Company, UCC, takes pleasure in presenting to you the attached (\$1 bill).

"This is the dollar stipulated in the Patent Assignment to the United States of America executed by you in connection with the filing of a patent application on your Oak Ridge Gaseous Diffusion Plant development entitled "Improved Shaft Sealing System."

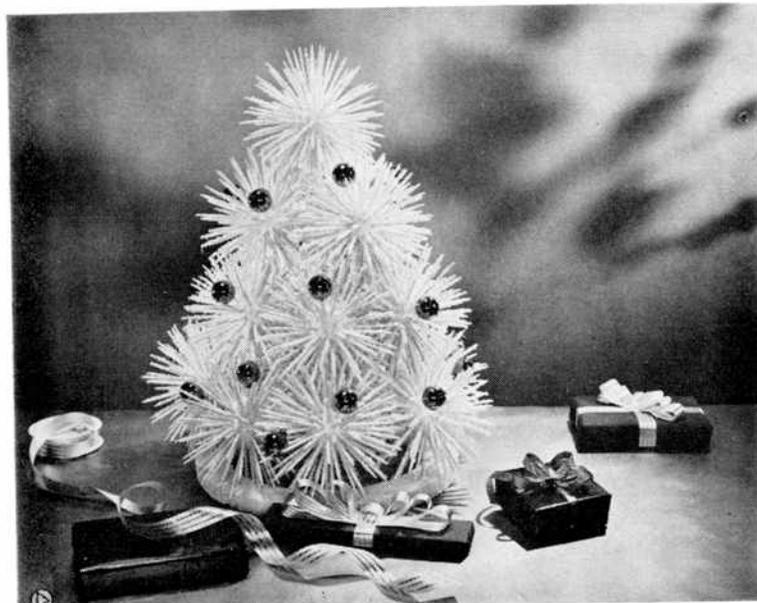
A native of Lamar, Colorado, Hovis is an alumnus of Ohio State University, and the Georgia School of Technology, Atlanta. He received his degree in mechanical engineering from Georgia Tech. He lives with his family at 110 King Street, Kingston.

AEC Has \$151 Million Light Bill This Year

If you think you have troubles, just be glad that you don't get the electricity bills for the Atomic Energy Commission. More than 38 and one-half billion kilowatt hours of electric power were used during the first nine months of 1961 by three of the sites under the AEC's Oak Ridge Operations.

The power used by the huge gaseous diffusion plants at Paducah, Ky., and Portsmouth, Ohio, and by the three principal AEC installations at Oak Ridge used electricity amounting to nearly \$151,000,000 for those nine months. The bulk of the power used in Oak Ridge, of course, went to the Oak Ridge Gaseous Diffusion Plant.

Gaseous diffusion plants are used for production of fissionable uranium-235 for both national defense and fueling reactors.



THIS TOOTHPICK TREE will brighten any home during the Christmas season. It is easy to make and requires only a minimum of economical articles. Any five and ten cent store has the necessary supplies.

Do-It-Yourself Christmas Tree Requires Little Effort And Economical Supplies

Toothpicks Can Be Arranged By The Kids As Whole Family Helps Make Conversation Piece

It's difficult to realize the holiday season is practically upon us! Here's a do-it-yourself decoration Y-12ers might enjoy fixing in their own homes. It's easy, and the cost is relatively low.

A toothpick Christmas tree gives every member of the family something to do, and makes an interesting centerpiece to brighten up the holiday scene in any home.

Simple instructions and elementary supplies make this decoration even more attractive. Supplies needed are:

1. Round toothpicks — approximately eight boxes.
2. One can of snow spray.
3. Sixteen one-inch styrofoam balls.
4. Miniature tree ornaments in many colors.

The kids may be rounded up for help . . . let them take part in the fun of making the tree and the satisfaction of seeing it finished. They can begin by sticking toothpicks — as many as will fit — into each styrofoam ball.

Then form the base of the tree by arranging seven "pin-cushion" balls in a circle. Pop a circle of five toothpick balls on the base, then a circle of three, and finally, one.

Spray May Vary

White snow spray gives the tree a frosty, wintry feeling. Unusual color effects are possible with different shades of spray—red, green, blue.

Glittering colored ornaments placed among the "boughs" add the final touch to the family masterpiece.

Change Size or Shape

The size and shape of the trees may be varied by using more, or larger styrofoam balls . . . different spray colors. Then prepare for a barrage of how-ever-did-you-make-them questions from admiring guests. The frosty toothpick Christmas tree is certain to highlight the holidays at home!

Don't be a blabber mouth.