

Red Threat Within And Without Constant Danger To Freedom

J. Edgar Hoover

Director
Federal Bureau Of Investigation

(Editor's Note: The following treatise on communism was prepared by J. Edgar Hoover, Director of the Federal Bureau of Investigation. It appeared in the Goodyear Atomic Corporation publication, "The Wing-foot Clan.")

We live in an age in which the most godless, totalitarian tyranny the world has ever known has lied, tricked, smashed, subverted and tortured its way to the control of millions of people across the earth. The world has witnessed the death of individual freedom for one third of all human beings. One fourth of the land surface of the globe now lies behind the Iron Curtain, and all nations yet remaining free stand face to face with the same totalitarian danger. It is imperative, therefore, that we seek to understand that danger — to bring it into some sort of perspective.

All aspects of communism are dangerous. To ignore entirely or minimize one facet of this evil while concentrating wholly on a more obvious one, is to jeopardize our free way of life. The communist danger threatening our freedom today is all-encompassing. It is to be found in force of arms, subversion through propaganda and subtle psychological pressures, and in espionage, both covert and overt.

Threat Within—Without

The threat to our security is to be found in many areas. There is the missile threat from without our borders as well as the attempts to subvert our citizens—particularly our youth — from within. There is the inescapable fact that among the hundreds of official representatives of communist bloc nations assigned in the United States are many who are engaged in some type of intelligence activity.

These agents seek to penetrate our intelligence organizations and other agencies of our government. They are striving to secure information relative to our defense plans; nuclear missile and space research and developments; strategic geographic areas; political and economic developments; and industrial research, methods and production.

Public Data Collected

The techniques used by Soviet officials vary. A most productive intelligence collection technique involves reconnaissance trips to areas of strategic significance where military installations, industrial facilities and transportation systems are carefully observed. The Soviet officials collect voluminous data available to the public in such areas. This includes maps and brochures containing detailed information. Pictures are taken and sketches made wherever possible, despite prohibitions on such activity.

There is simply no end to the exploitation of public information which, of course, does not violate our espionage statutes. Soviet officials attend conventions in vital industrial fields— aeronautics, plastics, electronics, and others — and collect free literature in bulk. At one single convention relating to electronics, two Soviet representatives col-

lected an estimated 250 pounds of assorted literature.

Many Weapons Used

The Soviets have acquired topographic and aerial maps of vital areas in the United States simply by purchasing them. They funnel back to their countries vast quantities of books, magazines, pamphlets, newspapers and motion pictures. But Soviet intelligence is not limited to this "legal sphere." Our military, scientific, and industrial secrets continue to be targets of illegal communist activity. And there is no cessation of communist effort to increase membership among labor unions and to influence the thinking of union members. The concealed communist, wherever he may be, seeks to achieve a position from which he can enlist the aid of the uninformed in supporting objectives in line with Soviet policy. Agitation, propaganda, petitions, resolutions, deals, stratagems, discord and hypocrisy are weapons used to promote such policy.

Many communist-bloc officials seek to influence American citizens through speaking engagements, by personal contact, and by propaganda.

More Than Political Party

Members of the Communist Party, USA, also use every propaganda gamut in the book. Currently, they are continuing in their efforts to persuade Americans to accept the false premise that the party is not Soviet-controlled, and that it is just another political party — a liberal political faction wholly free from foreign dictates. They are also striving — and with considerable effectiveness — to gain forums from which they hope to indoctrinate American youth and influence them along Marxian lines.

I repeat, all aspects of communism represent a threat to our security and to our freedom. We need to know the treacherous nature of the enemy we face. We need to understand the subtle and deadly forces against us. We need, in short, to keep all aspects of communist danger in clear perspective.

Cuperman To Hold ORNL Physics Seminar Friday

The regular Physics Division Seminar this week will center on "On Impurity Radiation Losses from a Hot Spherical Plasma," conducted by S. Cuperman of ORNL's Thermonuclear Division. The discussion is set for 3:15 p.m. Friday, March 1, in the East Auditorium of ORNL's 4500 building. All interested technical personnel are invited to attend.

BREATHLESS AMERICA

The United States populace consumes about 20 million pounds of garlic a year! It's no small wonder the divorce rate is high!



THE 'LONG VOYAGE HOME' is almost over for the AEC's Experimental Gas Cooled Reactor pressure vessel. It is seen as it passed Y-12 last week. The 255-ton cargo required special attention, such as shoring up culverts, raising electrical lines, removing red lights, etc. The vessel was moved during the working hours to hold traffic congestion to a minimum.

EGCR Pressure Vessel Clears Y-12 Easily

The "long voyage home" for the Atomic Energy Commission's Experimental Gas Cooled Reactor, is almost over after its 3,600 mile trip . . . most of which was made by water.

The EGCR passed Y-12 last week during the afternoon, Monday, February 18. It clipped along Bear Creek Road, and was completely by at the time of the 4:30 p.m. whistle. A minimum of traffic difficulty was realized. (The cargo made better time than was anticipated in the Bulletin two weeks ago . . . when it was stated the reactor would travel at approximately one-half mile an hour.)

The EGCR is being built for the AEC by the H. K. Ferguson Company, Cleveland, Ohio, at an estimated cost of 51 million dollars. It will produce about 22,300 electrical kilowatts, and will also provide unique experiment facilities for further reactor research.

The three major sections of the vessel — weighing more than 305 tons — left Eddystone, Pennsylvania two days before Christmas, where it was fabricated by the Baldwin-Lima-Hamilton Company.

Took Water Route

The barge carrying the huge sections weighed more than 500 gross tons, and was much too heavy for over-land shipment. It traveled down the Atlantic coast, across Florida and up the Mississippi River, then on the Ohio, and Tennessee Rivers.

When completed the EGCR will be the first civilian gas-cooled power reactor in the United States. It will be housed in a large steel containment shell which also serves as the reactor building.

The reactor will be operated for the AEC by the Tennessee Valley Authority. It will be located on the Clinch River, overlooking the future Melton Hill Lake site. Oak Ridge National Laboratory, technical advisors on the reactor, had the responsibility for much research and development work on the reactor, and was responsible for detailed design of fuel elements and control rods.



ONE WIRE JUST WAS NOT HIGH ENOUGH to allow the EGCR pressure vessel to pass under it. Here a Y-12 electrician raises a power line to allow the 255-ton pressure vessel to pass. The \$51,000,000 reactor was begun in the summer of 1959, and is scheduled for completion in late 1964. The AEC reactor is an experimental step in the Commission's efforts toward the development of nuclear power that would ultimately be competitive with electricity produced from plants using conventional fuels.

Special Physics Seminar Set Today At ORNL

A special Physics Division Seminar will be held today, February 27, entitled, "Two-Quasi-Particle Excitations in Deformed Even-Mass Nuclei." Conducting the seminar will be C. J. Gallagher Jr., Columbia University.

The seminar will be held this afternoon at 1:30 p.m. in the East Auditorium of ORNL's 4500 Building.

UNSAFE INSURANCE

Lloyds of London will insure almost anything . . . except the success of a marriage . . . What with Elizabeth Taylor in town!

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
Five Days Or
102,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through February 24
Phone 7755
For Daily Report
On Accident-Free Hours

1963's Second Lost-Time Accident Is Ice Fall

Y-12's second lost-time accident for 1963 was recorded Tuesday, February 19, as an employee from Mechanical Operations fell on some ice walking on the unused road leading from Area Five. He fractured bones in his right leg between the ankle and knee, and was hospitalized for surgery.

The accumulated snow of last Tuesday melted during the day, but the roads became slippery with ice during the evening. The pedestrian walkway parallel to the unused road had been cleared of snow and ice. This is the third lost time fracture type of injury from winter hazards, and reminds all of us that extreme care is required in extreme weather.

The accident brought the string of days free from lost-time to a close at 46 days, or 1,582,000 man-hours approximately.

No Hidden Charges In Credit Union Loans

Members of the Y-12 Credit Union who borrow money pay interest on the unpaid balance only. There are no hidden or carrying charges or fees for the use of this money.

The Bulletin

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Murph Daughter Is DAR Award Recipient

Is In Final Year
At South Harriman



Beverly Murph

Beverly Murph, daughter of James R. Murph in Y-12's General Metal Fabrication Shop, is the recipient of the Daughters of the American Revolution annual award. Miss Murph gained the recognition at a class election held by the seniors recently at South Harriman High School.

The DAR award is given to a senior girl who displays outstanding character and citizenship.

The young Murph daughter, an honor student at South Harriman, is majoring in science. She hopes to attend Tennessee Wesleyan College next year to study physical therapy.

Chamber Music Offered Saturday

Chamber music fans will have a treat in store for them this week-end as the celebrated Italian Trio di Bolzano will appear in concert Saturday, March 2, at 8:15 p.m. The third of the Oak Ridge Civic Music Association's chamber music concerts will be held in the Oak Ridge Playhouse.

The three individually brilliant artists, Nunzio Montanari, pianist; Giannino Carpi, violinist; and Sante Amadori, cellist, compose the trio. They have been a great success in Europe and in their frequent American tours since they first combined their talents and formed the trio at the noted Conservatorio d'Musica in 1945.

The all-classic program planned by the trio includes Mozart's Trio in C Major, K-548; Beethoven's Trio in D Major, Opus 70, No. 1, "Ghost"; and Schubert's Trio in E Flat Major, Opus 10. Tickets will be available at the box office prior to the concert.

HIGH BLOOD PRESSURE

The blood pressure of a giraffe is three times higher than a human's. Something's got to get blood up that long neck!



There is a striking similarity between wives and baseball umpires. They both make quick decisions, never reverse themselves . . . and they don't think you're safe when you're out!

The news is safely out concerning activities of Y-12ers, let's begin in

FINANCE AND MATERIALS

Plant Records records that Helen Cunningham is vacationing this week around home in Oak Ridge.

Sincere sympathy to J. A. Shell, Timekeeping, and his family on the recent death of his mother.

Reproduction produces news that Margaret Parks and her husband spent the recent long week-end in New York City.

Microreproduction and Engineering Services has Sam Cook off last week on an early vacation . . . Get well wishes are sent to J. L. Markland who is on the ailing list.

Father of teen-age girl, answering phone, "No, this is not sugar-doll, this is daddy-o!"

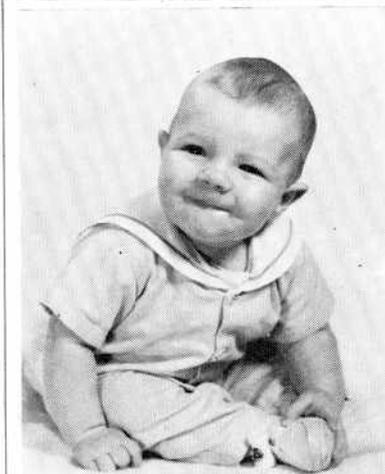
ENGINEERING

Tool Engineering wafts in tidings that Helen Long spent the long week-end holiday visiting in Pineville, Kentucky.

Mildred Lister took advantage of the long week-end to go on a Spring shopping spree . . . it says here. It is wondered where Mildred ever found any Spring in this kind of weather.

John Bassett has returned to Beta Four from a stay in Alpha Five. John spent several weeks away from Beta Four's stairways favoring a leg cast which came to him as an unwelcome Christmas present.

MECHANICAL OPERATIONS



David Lloyd Gilliam

Here's a healthy looking specimen for a man, isn't it? He's David Lloyd Gilliam, age (here) four and one-half months. His parents are Jim and Lorena Gilliam . . . Gilliam is in Special Mechanical Production. Pa says he's just a chip off the old block.

Rolling and Forming has H. J. Russell vacationing at his Oliver Springs home recently. He had several jobs that needed some attention and fortunately all of them were of the indoor variety, so he did not require the blessings of the weather man, which is just as well. (He certainly would not have had them!) . . . Fred Harris has been off battling the bug . . . glad to see he won, and is back now. Incidentally, condolences to the Harrises on the death of Mrs. Harris' mother, Mrs. Mansfield Baker, Sparta, Tennessee. Mrs. Baker passed away in her sleep on February 20, at the age of 84. Burial was in the family cemetery at Cookeville, Tennessee.

Best wishes to W. L. Adkins who left work ill the other day. Machine Maintenance has Eula Johnson taking off to California (last week) for an enjoyable vacation with friends in Los Angeles and Las Vegas, Nevada.

She received a new shirt through the mail recently from her daughter with a note which read: "In case you lose your shirt in Vegas, here's a spare!"

The man who said that work well done never needs doing over, never weeded a garden.

INDUSTRIAL RELATIONS

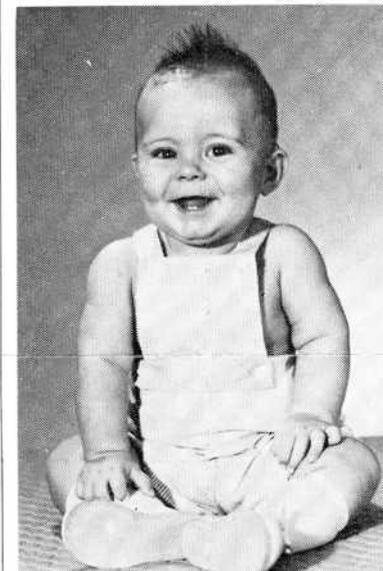
Benefit Plans folks are sending best wishes for a speedy recovery to Nina Ball.

Employment is welcoming in Peggy May, who transferred over recently from ORGDP.

A dollar won't do as much for a man as it once did . . . but then man doesn't do as much for a dollar either!

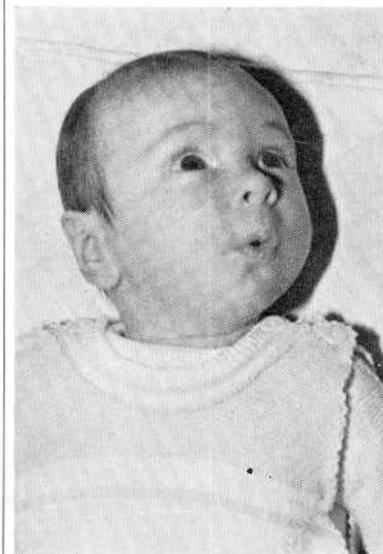
MAINTENANCE

These two fine looking gentlemen are the grandsons of Fred Marrow, Building, Grounds and Maintenance Shops.



Joe White

Grandpop and this one are pretty big buddies by now. He is the son of Mr. and Mrs. Charles White, Loudon.



John Davis

Grandpop will just have to wait to see this one, as he is stationed in Itzehoe, Germany, with his parents, Mr. and Mrs. John T. Davis. Marrow says he can hardly wait to get the two boys together . . . and who wouldn't enjoy that?

Electrical is sending get well wishes to C. R. Eastland, confined to his home ill . . . and to R. C. Hauther, ill in the hospital.

Mrs. Jones once explained about her new suit. "Just look at this suit; the wool was grown in Australia, the cloth woven in

All Carbide Bowling Tournament Is Set For Last Two Week-Ends In March

Three-Plant Competition Will Feature Alleymen
In Team, Doubles, Singles, And All Events Play

Two up-coming week-ends in March will feature the All Carbide Bowling tournament. Pinmen from the three Union Carbide Nuclear Company plants here will vie for honors at the Ark Lanes Saturdays and Sundays, March 23, 24 and again on the 30th and 31st.

Entry blanks have been issued to all league secretaries and should be available for interested bowlers now. Entries will close at 12 noon, Friday, March 8. Applications should be channeled through the league secretaries in the respective plants. (There are five leagues now active in Y-12.) American Bowling Congress and Women's International Bowling Congress rules will govern the tournament.

Handicapped Prizes

All cash prizes will be awarded on a handicap basis. Trophies will be awarded to first place winners in each of the scratch and handicap events. Any bowler or bowlers having high scratch and handicap scores in the same event will be awarded the scratch trophy only.

Averages will be determined from the highest sanctioned league average as of February 15, 1963, and will be based on 70 per cent of the difference of each entrant's highest sanctioned league average and 200.

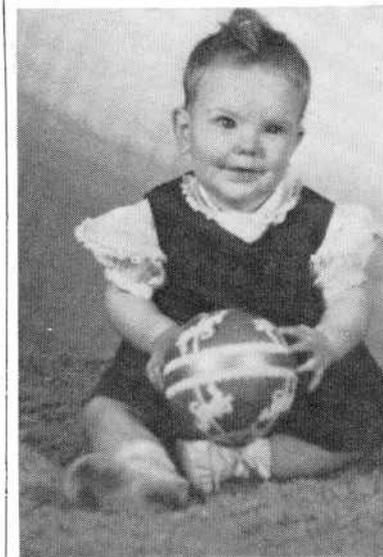
12 Games Minimum

Bowlers employed by ORNL, Y-12 or ORGDP are eligible if they have bowled a minimum of 12 games by February 15, and if they hold ABC and/or WIBC cards.

New England. The thread came from India. The suit was made in Baltimore and I bought it in Atlanta.

"Isn't it wonderful that so many people can make a living out of something that isn't paid for yet!"

SHIFT SUPERINTENDENTS AND UTILITIES



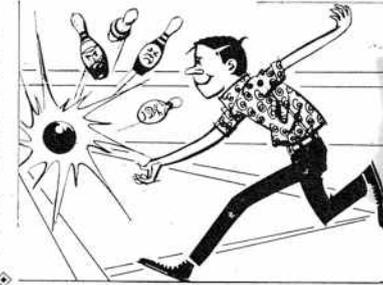
Jamie Rene Moore

This cutie-pie's picture arrived too late for last week's edition. It was almost enough to hold up the presses. She is little Jamie Rene Moore, granddaughter of J. D. Tolliver, Utilities. Jamie was nine months old last week . . . and certainly maintains a pleasant outlook on life, doesn't she?

These faithful old hands just froze to the keyboard . . . time to go!

Faulkner Gives Survival Formula For America

" . . . if we Americans are to survive it will have to be because we choose and elect to be first of all Americans; to present to the world one homogeneous and unbroken front, whether of white Americans or black ones or purple or blue or green." . . . William Faulkner



Entry fees are \$2.50 per person per event, as follows: \$1 prize money and \$1.50 bowling fee. All-Events fee, which is optional, is 50 cents per man. All prize fees will be returned one hundred per cent. Total entry fee for team, doubles, single and all events play is \$8 per person.

Tournament directors are Robert T. Cantrell, telephone 7100; H. R. Payne, telephone 6827; and D. R. Carter, telephone 8097. Additional information may be obtained by calling any one of these directors.

Dream Vacation Is Almost Nightmare

A dream vacation that Daisy Ward and Deborah Hubbs are taking now has them in the fair state of Hawaii. Both travelers are employed in Y-12's Laboratory.

The 'dream' started out as a nightmare, however. As Daisy puts it, "It wouldn't have happened to anybody but us." Just listen:

Set to leave Knoxville early in the morning . . . the two were delayed all day due to bad weather. They finally got there (Chicago) at 10:40 a.m. in weather 10 degrees below zero. They left Chicago at 12:30 a.m. and landed in Los Angeles early Sunday morning in bright winter clothes. The temperature was 86 above zero! Set to sail that day at 12:30 on the Lurline for Hawaii, Daisy and Deb dashed down to the pier at noon, making sure they would be there early. The ship had been cancelled due to a motor damage. (Daisy said she would have cried if she thought it would have done any good.)

The Matson Line, however, made air plans for the 680 passengers slated to sail on the South Pacific cruise. One by one the planes arrived in Hawaii with passengers a week before their reservations on the sunny isle! The hotels did some fast switching and everyone is happy now.

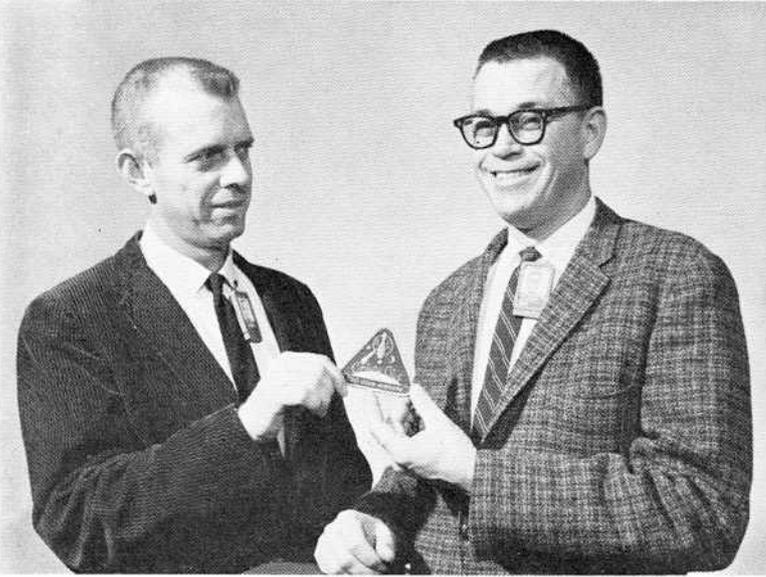
Daisy and Deborah state that it means they'll get to spend that much more time in the tropics . . . and that's all right with them. So, what started out as a nightmare actually is ending as a once-in-a-life-time dream trip.

Winners In Pistol League Announced

First place team honors went to the C. Beeler, J. V. Ledbetter, G. L. Davis, and W. A. Less team in the 22 Calibre Pistol League . . . or the Blues, as they called themselves.

High scratch average went to G. W. Martin with 255.10. The high scratch score went to Dave Alford with a 284. The high handicap scores were registered by G. L. Davis with a 291.314 and second place went to W. A. Less with 290.485.

The 16-man team finished firings last week.



A NEW KIND OF SHOULDER PATCH has been instigated by the American Bowling Congress, and here's Y-12's first recipient . . . as Al Townsend, right, receives the "Century Club" patch for rolling one game at least a hundred pins over his established average. Al, a member of the All Stars in the Classic League for Y-12 bowlers, rolled the big game Thursday, September 6. His established average was 151 and he rolled a resounding 254, a full 103 pins over his average. Bill Mee, president of the Classic League, presents Townsend with his century patch.

Pinquins Inch Up In E League Bowling Battle

The Pinquins edged up on the leaders in the E League for Y-12 bowlers last week by taking the Pintwisters for three points. League-leading Foursquares dropped three to the Ten Pins. The Alleybees split two points with the Cannonballs.

Claude Reynolds, Pintwisters, took high single games of the day with a 224 scratch, 252 handicap rally. Johnny Gadd, Pinquins, registered high with scratch series with 549, while Quinton East, Pinquins, took high handicap series with 657.

The Pintwisters came close to sweeping the boards, taking high singles with 668 scratch and 805 handicap . . . then taking high scratch series with 1826. The Alleybees blocked the rout with a 2287 handicap series score.

League standings follow:

Team	W	L
Foursquares	20	12
Pinquins	17	15
Cannonballs	16	16
Ten Pins	16	16
Alleybees	15	17
Pintwisters	12	20

Eagles Drop To 3rd Place In Volleyball

The Carbide Volleyball League got back into full tilt last week. The A Shift team took the Old Men for three games, 15-4, 15-2 and 15-0. Y-12's Eagles took two from the ORSORT team 15-6 and 15-3; after losing the first contest 15-17.

A Shift turned for their second duel and downed Biology for three, 15-0, 15-2, and 15-1. The Set-Ups defeated the Old Men for three also, 15-6, 15-8, and 15-9.

League standings follow:

Team	W	L
A Shift	6	0
Set-Ups	6	0
Eagles (Y-12)	5	1
ORSORT	2	4
Old Men	2	7
Biology	0	9

Has Beens Move Up In Classic Bowling

Wolves' Pryson Rolls 676 Handicap Series

The Has Beens moved up to tie the Swingsters for first place in the Classic League for Y-12 bowlers last week, by downing the Bumpers for full four points. The Swingsters took only three from the Smelters. Four point wins were also taken by the All Stars over the Markers, and the Rebels over the Tigers. Other three point wins saw the Rippers claw into the Eightballs, the Playboys down the Sportsmen, the Wolves over the Cubs and the Screwballs over the Wasps.

Joe Pryson, Wolves, took the high scratch game of the night with a 241. He also took series highs with a 634 scratch, 676 handicap game tally. Otto Briscoe, All Stars, took high single handicap with a game of 261.

The All Stars almost swept board honors with singles in line of 893 scratch, 1039 handicap; with a 2940 total count in handicap series. The Swingsters blocked the sweep by taking scratch in series play with 2553.

League standings follow:

Team	W	L
Swingsters	26	10
Has Beens	26	10
All Stars	25	11
Rippers	24½	11½
Wasps	22	14
Rebels	20	16
Markers	19	17
Bumpers	19	17
Playboys	17	19
Sportsmen	16	20
Wolves	15	21
Screwballs	14	22
Tigers	13½	22½
Smelters	11	25
Cubs	10	26
Eightballs	10	26

Y-12 Takes 4 Points In 22 Rifle League

The Y-12 team in the 22 Calibre Rifle League last week took four points, while the ORNL team took six. The Independents tallied two, as the scratch firing in total count amounted to: ORNL, 1416; Y-12, 1412; Independents, 1393. Handicap totals saw ORNL fire 1446.089; Y-12 1445.680; and the Independents 1439.977.

Y-12's leaders had Art Hensley with a 291.017 handicap score, followed by George Morrow's 289.304. Scratch lead was taken by Morrow with 286, and Dave DeWalt with 287.

League standings follow:

Team	Points
ORNL	18
Y-12	12
Independents	6

Y-12 Atoms Boast Only Clean Record

Basketball League Into Home Stretch

The Carbide Basketball League, between Y-12 and ORGDP teams, moved into the home stretch last week. The first game up saw the Y-12 Misfits fall victims to the ORGDP All Stars, 53 to 44. This one started out as a cliff-hanger. The 'Fits jumped to an early lead and then lost it. The lead changed hands several times with the Misfits enjoying a three point margin at the end of the first half. The KO punch came, however, in the third quarter when the All Stars started adding them up. The Misfits' Mahaffey led scoring with 18, closely followed by the All Stars' classy Clark.

Y-12's Flyers flew roughly over the Lab Demons, ORGDP, in the second game last Monday as they clipped them 50 to 32. The Demons enjoyed a scoreless first quarter, and were never really in the game. Jim Pugh led scoring for the Flyers, tallying 13. The Demons brought only five men out for the game, then lost one in the fourth quarter via the foul route . . . played the rest of the game with only four players.

Atoms Win Easily
The Atoms demolished the Eagles, both Y-12 teams, 77 to 48. A ho-hum game, this only kept no suspense. The only thing in doubt was the length of the score. The Eagles borrowed Dary Daws from the Flyers to get five men on the floor. Bob Coulton led scoring for the losers with 19; John Pridgeon had 17. Jim George led the Atoms with 18.

A Wednesday game saw the Flyers take the Eagles 60 to 47. The Flyers dominated the boards in this one. The Flyers' Phil Maguire, steadily improving in each game, led scoring for the winners with 16 . . . Pugh and Forrester had 13 each. John Pridgeon led the losers with 20; Bob Coulton had 14. Maguire's hot second quarter put the Flyers out front . . . where they stayed.

Flyers Fall For First
Thursday's games opened with the Atoms downing the Flyers 66 to 55. The Atoms jumped to an early lead and were never hurting. Jim George got hot again in the fourth quarter to keep the game out of reach of the Flyers. The Flyers were without the valuable services of "Gunner" Fitzgerald, which might have made the difference.

The ORGDP All Stars downed their fellow plantmen, the Lab Demons, 53 to 35. They dominated both boards and utilized the fast break with Graham and Crass hitting consistently. The Stars' Crass and Mothershed led scoring with 14 and 13, respectively. The Lab Demons' Slattery fired 12, and Edd Woy had eight.

Eagles Rout Misfits
The final game of the week saw another two Y-12 teams battle it out . . . the Eagles and Misfits . . . the Eagles winning 48 to 39. This was a fairly evenly played game, but Coulton and Pridgeon were too much for Mahaffey to overcome. Mahaffey scored 27 for the losers, with Jerry Babb firing seven. Coulton led the Eagles with 21, with John Pridgeon coming through for 17.

League standings follow:

Team	W	L
Atoms	7	0
Flyers	4	1
All Stars (ORGDP)	4	2
Eagles	4	4
Misfits	1	6
Lab Demons (ORGDP)	0	8

Athlete Credits Others Who Cared To Help Her

"I always wanted to be somebody. If I made it, it's half because I was game enough to take a lot of punishment along the way and half because there were a lot of people who cared enough to help me." . . . Althea Gibson



THE ELUSIVE GHOSTS IN Y-12'S MIXED LEAGUE for men and women bowlers line up for recent competition. From left are Nancy Garrison, Captain Joyce and Charlie Gillihan, and Bob Martin. Elbert Scott, not seen, is also one of the Ghost's trustworthy members. The team now stands only four points from first place in the Mixed League.

Cool Cats Keep Calm Control Of Mixed League Top Helm

Sandra Stephens, Toppers, swept her cellar-dwelling team to victory last week in the Mixed League for Y-12 bowlers. She swept the boards clean with a single scratch game of 181, handicap game of 232; series scores of 469 scratch, and 622 handicap. Her team took four from the Phantoms.

Hi-Lifers Tied For C League Top Sunflowers Clobber Way To Choice Spot

The Sunflowers clobbered their way into a tie for first place in the C League for Y-12 bowlers last week by downing the Par Busters for the full count. The Highlifters took three from the Big Five. The Lucky Strikes struck at the Hookers for four, as did the Screwballs over the SP's. Three point wins were taken by the Strikers over the Rodders, and the Rounders over C Shift.

A. E. Smith, Big Five, took high singles with a resounding 236 scratch and 264 handicap game. C. G. Gaylor, Sunflowers, had a 589 series in scratch scoring, and George Reece, Highlifters, took high series handicap with a 663. The Sunflowers eked out scratch highs with a 929 single, 2664 series tally. The Highlifters had high handicaps in singles with 1050, and the Strikers took high handicap series with 2998.

League standings follow:

Team	W	L
Highlifters	19	9
Sunflowers	19	9
Big Five	17	11
Lucky Strikes	16	12
Strikers	16	12
Par Busters	15	13
Rounders	14	14
Rodders	12	16
Hookers	11	17
Screwballs	11	17
C Shift	9	19
SP's	9	19

Freezing Weather Difficult For Birds

Tennessee Game and Fish Biologists have noted that many songbirds have been the victims of the recent adverse weather conditions in these parts. Records from the 1951 snow storm in Tennessee similar to the magnitude of this past snow storm season showed heavy losses of song and game birds, primarily quail and dove.

The birds do not necessarily starve to death, but there is not enough abundant food to maintain body temperature necessary to survive the extreme cold, so the birds freeze to death.

The top-seeded Cool Cats took three from the Ghosts; the Goofers took three from the Pin Plasters — leaving the race for first place basically the same. The Scrappers took the Alley Cats for three.

Man-wise, C. G. Gaylor, Pin Plasters, had a high single game of 215 scratch. Elbert Scott, Ghosts, took the rest of the honors with a 239 single handicap game; series scores of 546 scratch and 633 handicap. The Goofers took singles handily with 639 scratch, and 818 handicap totals. The Cool Cats came back in series play to roll 1892 scratch and 2349 handicap scores.

League standings follow:

Team	W	L
Cool Cats	20	8
Goofers	18	10
Ghosts	16	12
Scrappers	16	12
Alley Cats	12½	15½
Pin Twisters	11½	16½
Phantoms	11	17
Toppers	7	21

Rusty Five Move Up In Bush Play

One Point Removed From League Lead

The Rusty Five moved up with-in shooting distance of the throne in the Bush League for Y-12 bowlers last week. They shared two points with the Lucky Five while the Dry Hides, in the forefront, lost four to the Hi Balls. The Beavers and Rollniks split two, as the Rollmasters and Seven Sixties did likewise. The Reagents rested, drawing the bye.

Carl Sanders, Hi Balls, rolled a 222 scratch game, pushed to a 261 handicap game. George Reece, subbing on the Hi Balls, had a 530 scratch series and Jim Bryson, Beavers, had high handicap series of the day with a 644.

The Rusty Five had high singles in scratch play, rolling 805, while the Hi Balls swept the board the rest of the way . . . with 996 series scratch; 2375 scratch and 2894 handicap in series tallies.

League standings follow:

Team	W	L
Dry Hides	31	17
Rusty Five	30	18
Reagents	25	19
Hi Balls	23	21
Beavers	21	23
Lucky Five	21	23
Rollmasters	22½	25½
Seven Sixties	17½	30½
Rollniks	17	31

The best gap any Of us can close Is the one between Our chin and nose!



"I believe you advertised for an aggressive salesman."

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Woodby Son Visits Home After Training

Serves With USAFC At Stewart Base



A/3-C Kenneth A. Woodby

Airman Third Class Kenneth A. Woodby, son of Mr. and Mrs. Hacker Woodby, Route 17, Knoxville, recently visited his parents on a 15 day leave from the United States Air Force. His father is in Process Maintenance.

Kenneth graduated from Karns High School in 1962. He went into service in August of last year, and completed his first phase of basic training at Lackland Air Force Base, Texas. He then was reassigned to Chanute Technology Training Center, Illinois, where he completed a 16-week course in Aircraft Pneudraulics. He is now stationed at Stewart Air Force Base in Texas.

Nature couldn't make us perfect. She made up for that, however; she fixed it so we're blind to our own faults.

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

- Robert N. Rice**, Assembly Operations, February 27.
- Hubert Cantrell**, Machine Maintenance, February 29.
- Sylvia S. Huckaby**, Laboratory Operations, March 4.
- Carson W. Wilkerson**, Building, Grounds and Maintenance Shops, March 5.

10 YEARS

- James E. Devaney**, Production Machining, February 28.
- Toy Moon**, Assembly Operations, March 1.
- Loren Mac Lawhorn**, Wage Standards, March 2.
- Everett Edison Boyatt**, Area Five Maintenance, March 2.
- Richard Edwin Hulme**, Engineering Division, March 2.
- Ernest Edward Choat**, General Mechanical Engineering, March 2.
- Preston A. Cuthbertson**, Process Maintenance, March 2.
- Kenneth G. Kincaid**, General Machine Shop, March 2.
- Edmond Roberts**, Process Maintenance, March 3.
- Willard A. McFarland**, Electrical, March 5.
- Vaughan D. Hendrickson**, Beta Four Forming, March 5.

Ashtabula Plant Will Produce Acetylene Black

The new plant Union Carbide Corporation is building at Ashtabula, Ohio, will manufacture acetylene black. Union Carbide Olefins Company, a division of Union Carbide, will produce approximately 8,000,000 pounds a year of the acetylene black. The product is used in the manufacturing of dry cell batteries, airplane tires, flooring and certain electrical devices.

Simple Rules Give Hints For Visiting Ill

No Medical Advice To Ailing Patient

Are you planning to visit a sick friend? Then watch yourself carefully and try to keep the following "don't's" in mind. The magazine "Today's Health," published by the American Medical Association, comes up with the following "Don't's":

Don't come into the sick room like a cyclone . . . Come in quietly, unobtrusively. Don't be gloomy . . . instead be cheerful . . . but don't overdo it . . . Don't be morbidly inquisitive. Don't ask to see stitches or scars. Let the patient volunteer whatever information he desires . . . Be a good listener . . . Don't be overly sympathetic . . . Genuine sympathy shows through your personality, sometimes more so than in words.

Don't make the patient dissatisfied. You'll be assisting him if you help him feel satisfied with his general care . . . Don't offer medical advice or opinions unless you are a doctor. There is an old saying, "Free advice is worth what it costs — nothing." Don't make promises you can't or don't intend to keep. If you say you plan another visit, keep your promise. Don't lie. Don't tell a sick man he looks marvelous unless he does. Don't tell him he'll be out in a few days if you don't know. Be honest, but this doesn't mean you should tell a sick person he looks half dead . . . even though he does. Be discreet and tactful at all times. And don't make your visits too long.

Remember, the patient appreciates your thoughtfulness of coming by, he even appreciates more your courtesy and tact.



Car pool member wanted or will join car pool from Rambling Acres vicinity, Knoxville, to North or East Portal, straight day. G. A. Schierbaum, plant phone 7237, home phone Knoxville 524-2640.

One rider wanted from Pine Hills via Harriman to Central, West or Bear Creek Portals, straight day. R. W. Curtis, plant phone 7-8465, home phone Harriman 882-9291.

Two riders wanted from West Hills, Knoxville area, to any portal, straight day. H. A. Marrow, plant phone 7089, home phone Knoxville 588-8756.



THIS TALENTED 'STEINWAY' is Jan Bibee, Electrical. He is shown at the electronic organ he and his wife recently constructed. The musical instrument contained more than 2,000 parts.

Jan Bibee, Electrical, Makes Home Hobby Profitable Building Electronic Organs

Wife Assists In Constructing Complicated Musical Instrument With 2,000 Plus Parts

Very few people have a homemade electronic organ . . . but Jan V. Bibee, down in Electrical, does. His latest creation is now on display at the First National Bank of LaFollette. He did all the work himself, with his wife's assistance, in assembling the musical instrument which contains more than two thousand parts.

Having become first interested in the console organ after hearing a concert in Dayton, Ohio, in 1926, Bibee has made his hobby an important part of his life. His home library contains many volumes on pipe organs, electronic organs and reed organs.

Training Is Extensive

The organ enthusiast came to Y-12 April 27, 1951, after years of training in the electronics field. He had worked with the Steel and Tools, Inc. and Locke Machine Companies, Cleveland, Ohio. After his navy discharge in 1945 he returned to Campbell County. There he taught at the Campbell County Vocational School four years before hiring in here.

He and his wife, Leila, live at Caryville.

Bibee studied piano in Cleveland for 10 years and played pipe organs there. As soon as the war shortages were over, he immediately set about with plans to construct his own. He is especially interested in the electronic organ now because it is priced lower than a piano, which means that many homes, churches and chapels can afford to own one.

Tone Quality Good

"The electronic organ cannot equal the tone quality of a good pipe organ," he explains, "but can, in most cases, exceed the quality of pipe organs in general use."

His educational background includes electronics studies with the Radio Training Association, Chicago; Fenn College, Cleveland; the University of Tennessee, the Nyles Briant piano tuning course, and a course with the International Correspondence School on electronic organs.

Built Cabinet Also

The electronic organ on display now in LaFollette was completely assembled, adjusted and tuned. He and his wife also constructed the cabinet which houses the instrument.

Bibee hopes to start construction soon on a full-sized concert organ which will meet the specifications of the American Guild of Organists. Until he does, however, he is content constructing

MSI Contract Is Extended 2 Years

The Atomic Energy Commission contract with Management Services Incorporated of Oak Ridge has been extended for a two-year period, until June 30, 1965. The existing contract would have expired on June 30, 1963. MSI, formerly the AEC's management contractor for municipal functions in Oak Ridge, now carries out work for the Commission in Oak Ridge which includes the management, operation and maintenance of certain government buildings, the water plant, maintenance of government vehicles and roads and bridges in the "controlled area," and the performance of other miscellaneous services.

The firm became the Oak Ridge Community Contractor in 1951, performing work normally carried out by city government. These functions continued until the government completed sale of property in the community, and municipal government was established.

UCC To Build New Plant At Greenville, S. C.

Union Carbide Corporation will build a new plant at Greenville, South Carolina, which will substantially expand its production of tantalum capacitors for electronic equipment, according to a recent announcement from Birny Mason Jr., president.

The Greenville plant will be operated by the Kemet Department of Linde Company, a division of Union Carbide. The plant will be located on a 40-acre site, and will contain 40,000 square feet of production facilities. Initially, the new plant will employ 100 people with additional personnel to be added as the plant approaches full capacity.

the type shown in the accompanying photograph.



THE FIRST CUP TAKEN IN THE JUNIOR MISS contest goes to Linda Stalsworth, who went on to take the finals. The senior at Fulton High School is the daughter of Mr. and Mrs. Jack D. Stalsworth, 2030 Emoriland Boulevard, Knoxville. They have one other daughter, Nancy, who attends Whittle Springs Junior High School.