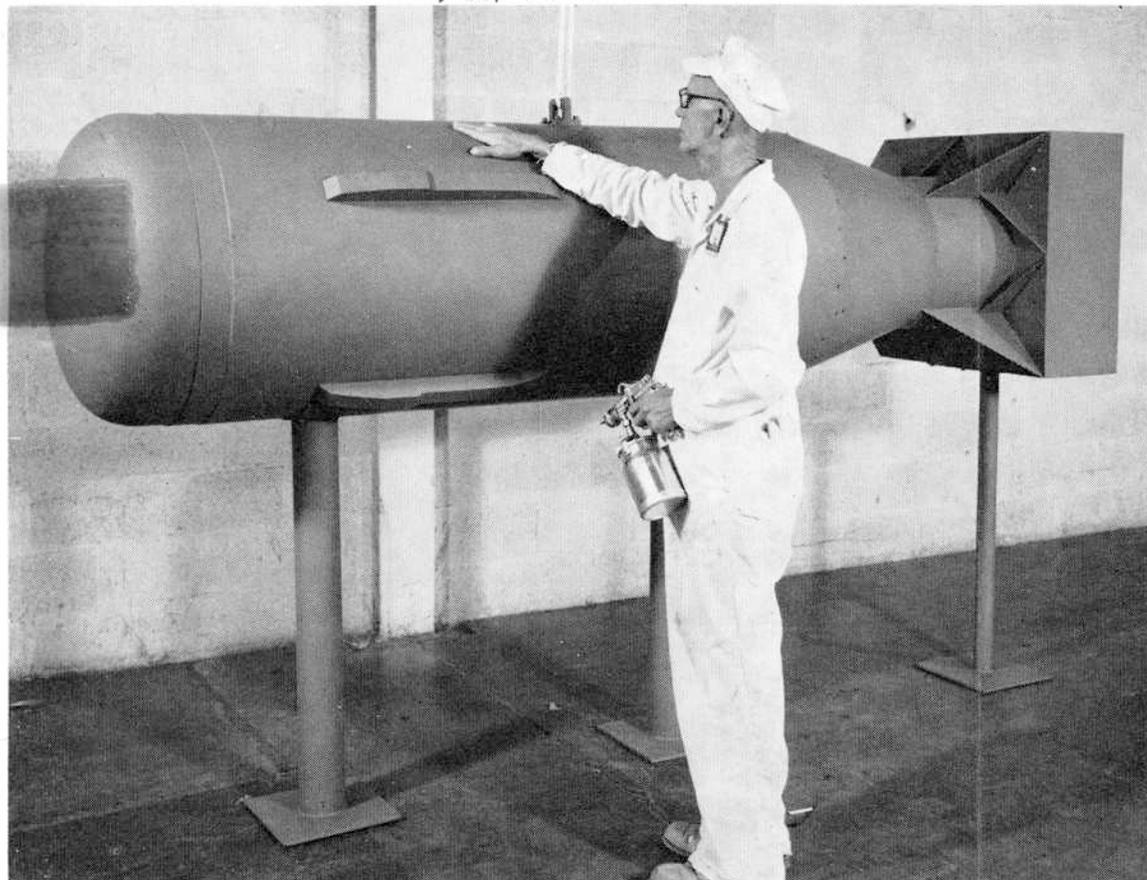


121958



A MODEL OF THE WORLD'S FIRST URANIUM-235 BOMB, the 'Little Boy,' has been fabricated at Y-12 for exhibit at the American Museum of Atomic Energy. Jack Spears, Buildings, Grounds and Maintenance Shops, inspects the paint on the model before it is delivered to the museum.

'Little Boy' Model Made In Y-12 Goes To Museum

A model of the first uranium-235 bomb, nicknamed the "Little Boy," has been fabricated here for display at the American Museum of Atomic Energy (Oak Ridge Hall of Science).

The mock bomb, 10 feet long and approximately two and one-half feet in diameter, is a steel case filled with plastic foam. Externally, it is a duplicate of the first U-235 bomb which was detonated over Japan in August, 1945.

The Y-12 Plant, which produced the enriched uranium used in the original bomb, prepared the exhibit at the request of the Oak Ridge Associated Universities. ORAU operates the museum for the U.S. Atomic Energy Commission.

ORAU expected the display to be ready for public viewing today, June 7.

NOXIOUS FUMES

The fumes of carbon tetrachloride, sometimes used by do-it-yourself dry cleaners, are especially damaging to the kidneys and can lead to coma and death.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 51 Days Or 1,459,000 Man-Hours (Unofficial Estimate) Through June 4 Without A Disabling Injury Safety At Home At Work, At Play

AEC Chairman Seaborg Ups Estimate Of Nuclear Power Generation By 1980

The U.S. Atomic Energy Commission now forecasts that nuclear power plants will have a generating capacity of between 120,000 and 170,000 net electrical megawatts by the end of 1980. AEC Chairman Glenn T. Seaborg announced the new estimate recently and placed the most likely figure near the middle of the range, about 150,000 megawatts. Dr. Seaborg spoke at the annual meeting of the Canadian Nuclear Association in Montreal.

The forecast is a revision of one prepared by the AEC last year which estimated an installed capacity at the end of 1980 of between 80,000 and 110,000 megawatts. It reflects the surge of orders placed, as well as plans announced, by utilities for nuclear power plants during the past year. The new AEC forecast and recent projects of utility and manufacturing organizations show this rising demand for nuclear electric power. The forecast is based on data for individual utilities throughout the country relating to installed electric generating capacity at the end of 1959; additions to capacity — both conventional and nuclear but not including peaking facilities — from 1960 through 1966; and planned additions from 1967 through 1973.

Data for utilities located in the same area of the country and having similar economic conditions were combined into groups. The average percentage of annual growth in new generating capacity from 1959 through 1973, both conventional and nuclear, was computed for each of these groups. The same percentage was then applied to the period from 1974 through 1980. The growth rates for individual areas were in the range of four to 10 per cent, with a national average of about six per cent. In areas — primarily on

the east and west coasts, in the north central region, and in the Tennessee Valley — where nuclear plants currently are operating, being constructed, or planned, it was assumed future growth would be mainly in nuclear generating capacity and in other areas would be mainly in conventional generating capacity. A number of uncertainties, such as the total increase in electric generat-

Continued on Page 4

TAT Project Readies Plans For Second Year

New Recruiting Program Begins

The Training and Technology Project at Oak Ridge has begun recruitment of trainees for courses beginning in September.

The Project provides classroom and shop or laboratory instruction in machining, welding, glassblowing, mechanical drafting, physical testing technology and electronics technology.

The training takes place in Y-12. The program offers 42-week courses in machining, mechanical drafting, physical testing of materials and glass-blowing. Welding is offered in two 21-week sessions. The courses will provide skill and technical training according to modern industrial standards.

Applicants must be between 18 and 60 years of age, should be graduates of accredited high schools, or have satisfactorily passed the General Education Development Test. It is preferred that they have educational or work experience related to the training area they wish to enter.

In addition, 14-week courses will be conducted in electronics, drafting, and machining for advanced level students who have achieved basic proficiency in these technologies. These special courses are open only to students recommended from other vocational programs.

Trainees in both programs may be eligible to receive allowances during the period of training, and consideration will be given to additional allowances for those living away from home. Eligibility for allowances is determined by the Tennessee Department of Employment Security. No tuition or fees will be charged for

Continued on Page 4

Graduates Increase Earning Power

An average increase of more than \$1.20 per hour over pre-training wages is indicated in an initial survey of the March graduates of the Training and Technology Project's welding training class.

The survey of the class of 23 trainees revealed that 20 have obtained jobs in welding or related fields. For 17 on whom wage information is presently available, the average hourly pay is \$3 compared to \$1.76 before entering training last September.

Based on 52 work weeks of 40 hours each, the wage represents annual earnings of \$6,240 compared to a pre-training wage of \$3,660.8 — an average increase of \$2,579.20 per man per year.

Two members of the class have not yet accepted welding jobs, and one has been called into military service.

Only One Project

Welding is one of six occupational skill areas in which training is being conducted by the TAT project, a federally sponsored experimental program designed to demonstrate the value of using industrial facilities to upgrade persons working below their potential.

The welding course is a 26-week program; courses in machining, mechanical drafting, industrial electronics, physical testing of materials and glassblowing continue for 52 weeks. Approximately 160 trainees representing all six occupational skill areas will graduate in September.

The training is conducted in Y-12, a major industrial facility operated for the U.S. Atomic Energy Commission by Union Carbide Corporation — Nuclear Division. An experienced group of engineers, industrial supervisors, technicians and skilled craftsmen from Union Carbide serves as the training staff.

Interagency Agreement

The worker training component of TAT is supported by the U.S. Department of Labor through an interagency agreement with Oak Ridge Operations, AEC. Oak Ridge Associated Universities is coordinating the program and the University of Tennessee provides guidance and counseling services. Also participating are the Tennessee Department of Employment Security, the Tennessee Department of Education, the Division of Vocational-Technical Education and labor organizations.

The second cycle of the worker training program will begin September 11. The courses are scheduled for 42 weeks in machining, mechanical drafting, physical testing and glassblowing and 21 weeks in welding.

A special 14-week program also has been designed for advanced-level students in electronics from other vocational programs.

Additional information on the worker training program may be obtained through any local office of the Tennessee Department of Employment Security.



A 'DEVICE FOR CONDUCTING CRUSHING and Screening Operations Simultaneously,' has brought Z. L. Ardary, Chemical Engineering Development, a patent application. He is above congratulated by George Marrow, head of the department; and Harvey Kite, Development Operations, standing.

The Bulletin

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



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member Appalachian
Industrial
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American Association Industrial Editors

OFFICE

Post Office Box Y
Oak Ridge, Tenn. 37830
Bldg. 9704-2 Room 137
Telephone 3-7100

Jody Blount Plans Nursing Career



Sara Jo Blount

Sara Jo Blount, daughter of James F. Blount, graduated from Loudon High School Monday, May 29.

Jody, as she is known to all her friends, is a member of the Red Skin Band, the Future Homemakers Association, the FHA Chorus, the 4-H and the Future Teachers Association.

She plans to enter St. Mary's Hospital School of Nursing this fall.

The Blounts live at Route 1, Philadelphia, Tennessee. Jody's father is in Y-12's Buildings, Grounds and Maintenance Shops.



DOT AND BOBBY Rutherford welcomed income tax deduction number three into the family December 27 . . . in the personage of Doug Wilson Rutherford. Bobby is in Y-12's Radiation Safety, and he and Dot and the other two little Rutherfords live on Riverbend Road, Clinton.

Lord Cromer Is New UCC Director

George Rowland Stanley Baring, third Earl of Cromer, managing director of the international banking firm of Baring Brothers & Company, and formerly governor of the Bank of England, has been elected a director of Union Carbide Corporation.

Lord Cromer has had a distinguished international financial career, first in private banking and later as a public servant. After World War II, he worked for a time with Morgan Guaranty Trust Company of New York and Kidder, Peabody and Co., Inc., New York. In 1947, he became managing director of Baring Brothers. He was a member of Britain's Inter-Parliamentary mission to Brazil in 1954. In 1959, he was appointed economic minister and head of the Treasury delegation at the British Embassy in Washington; at the same time he was Britain's executive director at the International Monetary Fund and the World Bank.

He was appointed governor of the Bank of England for a five-year term beginning July 1, 1961 and at age 42 was probably the youngest man ever to be governor. His technical competence was an important factor in Britain's recovery from the 1964-65 speculative crisis. As *The London Times* stated: "Few people can claim to have saved the pound. Lord Cromer is one." Lord Cromer was recently honored for his service to the government by being made a Privy Councillor.

Birny Mason Jr., chairman of the board of Union Carbide, in making the announcement, stated that "Lord Cromer will bring to Union Carbide's worldwide operations a broad point of view which will be of inestimable value to us."

Lord Cromer prepared at Eton and attended Trinity College, Cambridge. During the war, he served with the Grenadier Guards, rising to the rank of Lieutenant-Colonel and was honored with the order of Member of the British Empire. He delivered the Arthur K. Salomon lectures for New York University and received the Doctor of Laws degree in 1966.

SNT President Speaks Tuesday

The Oak Ridge Section of the Society for Nondestructive Testing will meet next Tuesday, June 13. The dinner meeting is scheduled at 6:45 at the Oak Ridge Marina, River Road, Oak Ridge.

The speaker will be Richard B. B. Socky, General Electric Space Technology Center, Valley Forge, Pennsylvania. He will speak on "Crystals and NDT."

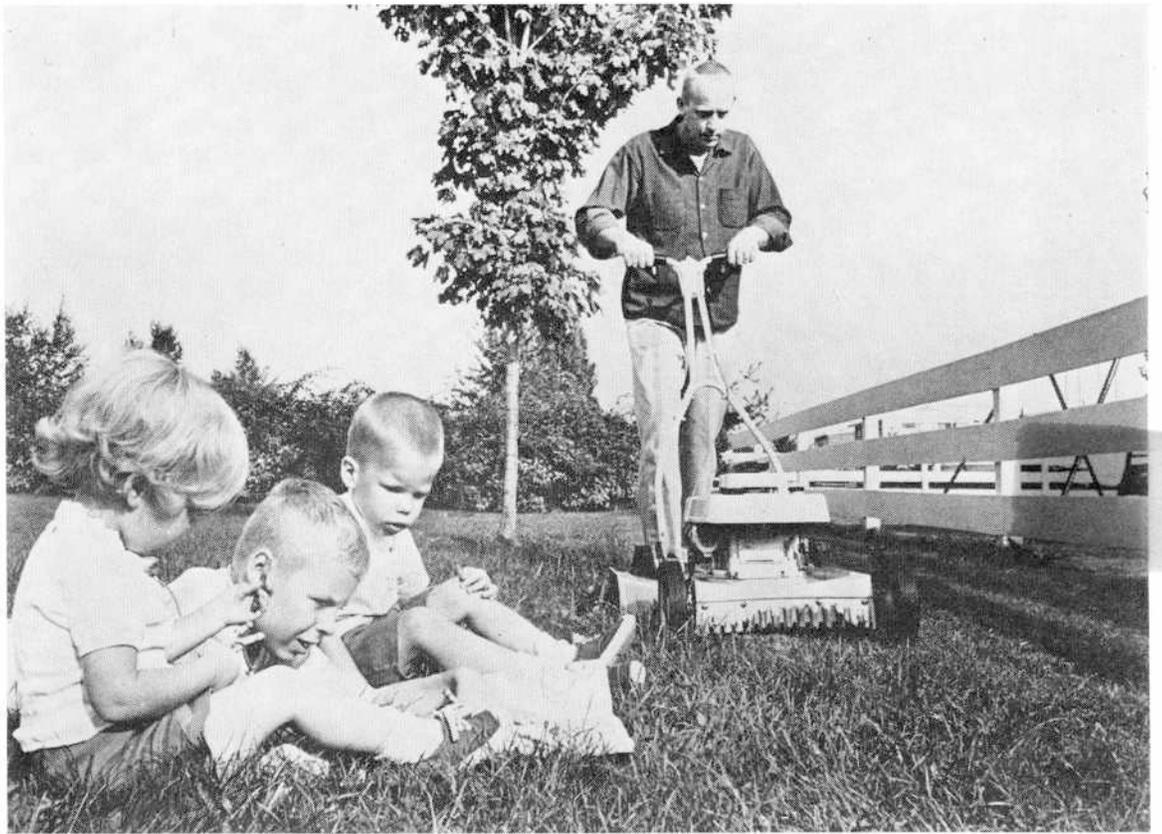
Socky is manager of the materials and process engineering at the Space Center. He had held various technical society offices, including chairman of the Pacific Northwest Section of the SNT and Chairman of Columbia Basin Chapter of the American Society for Metals. He holds a degree from Cleveland State University, and is currently national president of the SNT.

All interested parties are welcomed at Tuesday's meeting. The dinner tab at the Marina is \$2 for a steak.

SIGN OF THE TIMES

A sign on a New York subway read: "Don't be like me. I were a school drop-out."

Some wag had scribbled underneath: "Not me. I goed on to college."



CAUTION . . . CAUTION . . . CAUTION . . . Children in the line of fire. Make sure all pets and children are removed from mowing areas before attempting to cut the grass. Never leave an unattended mower where inquisitive little hands may get to it either. The whirling blade of a power mower can pick up an object and hurl it with the force of a bullet.



"How softly runs the afternoon . . . beneath the billowy clouds of June!" Softly run the sands of time for several Y-12ers, observing important birthdays with Union Carbide Corporation. Congratulations.

20 YEARS

Verna F. Peckman, Wage Standards and Personnel Records, June 9.

Buford A. Walker, Research Services, June 11.

15 YEARS

James R. DeMonbrun, Utilities Administration, June 9.

Veneta T. Lawson, Laboratory Development, June 9.

Talmadge C. Wilson, Utilities Administration, June 9.

Elmer L. Turnbull, Electrical Department, June 13.

10 YEARS

Patrick C. Dabbs II, Specifications and Systems, June 7.

James C. Moon, SS Control Department, June 10.

Rodney Von Gruening, Production Scheduling, June 10.

James D. Kirkpatrick, General Metal Fabrication Shop, June 12.

Photograph Course Is Started Anew

The Carbide Camera Club photograph course resumes Thursday, June 8, at 8 p.m. in Room 2 of the First United Presbyterian Church.

After a brief review, the theory of color and color photography will be discussed. Subsequent meetings will take up filters (black and white and color), exposure meters, compositions, artificial lighting and other topics.

Each member of the class is asked to expose one roll of black and white film to be used in familiarizing himself with darkroom procedures and to evaluate his progress.

Next Tuesday's regular monthly meeting, Tuesday, June 13, will feature Phil Breman, with a slide-illustrated tour of Europe. It will also meet in the Fellowship Hall of the First Presbyterian Church.

Power Lawn Mowers Need Not Contribute To Home Accidents!

There are more than 25 million power mowers in use on America's lawns and gardens today. And one million new owners will be added this year alone. (In Y-12 almost every home has one . . . some have even two.)

This season, thousands of would-be gardeners, will suffer injuries from this useful mechanical servant. Some severely! And all needlessly!

A majority of power mower accidents can be prevented with simple precautions according to the Outdoor Power Equipment Institute, an association of major power mower manufacturers in the United States.

OPEI President Charles Livesey points out that the power mower industry will break all sales records in 1967 with 5-million new units sold, four million of these are replacements to previous owners.

"Safety education is two-fold in our view," he notes; "we must reach the present owners of mowers and also teach safe mowing methods to the new buyers."

If you are in the market for a new mower, look for the triangular seal indicating the maker certifies he has built the mower to industry safety standards developed with the American Standards Association.

The seal means that the mower has been designed to keep feet out of the blade, that the handle has been carefully positioned to avoid dangerous swing-over and the lower angle of the discharge chute tends to limit the distance of hurled objects. Unsafe speeds also are prevented by limiting cutter blade velocity.

But even the most perfectly designed machine is only as safe as its operator. Here are some essential tips for using the power mower with minimum risk to yourself, your family and neighbors.

1. Read the owner's manual and completely master the controls.

2. Clearing the children and pets from the area to be mowed is an obvious precaution.

3. The discharge chute picking up small objects from the grass may hurl them at a dangerous speed. Remove all loose "ammuni-

tion" from the area.

4. A mowing blade whirls 2,500 times a minute. So avoid any contact and keep away from the mower's discharge.

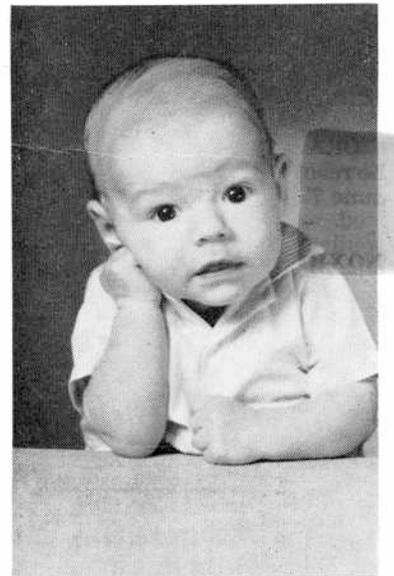
5. Always push, never pull a mower. Your aim is to cut the grass, not your toes.

6. Never leave the engine running even briefly while you step aside or you'll tempt a child into investigating the apparatus.

7. Mow slopes sideways, not up and down. If you mow downward, the device may run away from you. Mow upward and it can back down on you.

8. Wear close fitting jeans or slacks that can't get caught in the machine. Don full leather shoes, or safety shoes.

Anytime your mower needs adjustment or fuel, cut the power and let the engine cool. A "blast" is a wonderful idea, socially speaking, but don't have one with your mower.



ONLY 10-WEEKS old, yet already with a quizzical outlook on life. That's Gerald Bernie Martin, the first grandchild of W. H. Foust, Beta Two Machine Shop. Gerry is the son of Jerry and Judy Martin, Charleston, South Carolina. His father is with the U. S. Air Force there.



PRESENTING THE PRINCESS AND PRINCE at Edgewood School, 1967. Shirley Stiles and Robbie Jago reigned at May Day festivities at the school held recently. Shirley is the first-grader daughter of C. R. Stiles, Special Services; and Robbie is the son of R. A. Jago, Electrical Engineering. (Mrs. Jago is remember by Y-12ers as the former Nell McGinnis.)

Mellerdrammer Is Set By Playhouse

For those who like their summer entertainment informal, funny and noisy, the Oak Ridge Playhouse has revived the "mellerdrammer." By popular demand, the old - fashioned, tear - jerker, laughter - laden "drammer" will be presented at the Oak Terrace Ballroom, Friday and Saturday, June 9 and 10, again 16 and 17, and for the third weekend on June 23 and 24. Performances begin at 8:20 p.m. Seating for "The Streets of New York" will be cabaret style with refreshments available throughout the show. Tickets will be sold at the door prior to each performance, and no reservations will be made. The Ballroom has been known to seat as many as 400.

Milt Carey will appear in "The Streets" as a villian . . . turned good guy. His activities will range from portraying a blackmailing bank clerk to an ex-convict to the rescue of fair damsals The play also has a true villian who remains so to the end, a lovely heroine who must be rescued, a poor "widder" who touches the depths of despair, a brave hero who overcome all obstacles, and a sultry villianess who, alas, does not reform.

The Playhouse "meller" has, in the past, proved to be a most popular activity for Oak Ridgers, and Playhouse officials state that early arrival at the Terrace Ballroom, which is air-conditioned, is advisable.

Morgan Son Serves Navy In Pacific



ETN2 Norman P. Morgan

Norman P. Morgan, son of Mr. and Mrs. Frank Morgan, was recently promoted to the rank of electronics technician first class. He is stationed at Clark Air Force Base in the Philippines and is attached to the Navy radio station at nearby Tarlac Province.

Navyman Morgan is married to the former Anna Grace Devaney, Harriman. They became the proud parents of a son Bart Dwayne on March 10. The child was born at the AF hospital at Clark.

Morgan is a 1958 graduate of Roane County High School. He enlisted in the Navy in 1959, and has been at Clark since December of 1965.

He is responsible for maintenance of high - powered radio transmitters used for communications support of operations in Vietnam.

Morgan's father is in Y-12's Buildings, Grounds and Maintenance Shops. The family lives in Kingston Heights, Kingston.

INSECTICIDES—HOMICIDES?

Some of the new insecticides can kill humans as well as insects. Read the label carefully. You might do better to have the job handled by an exterminator, in which case be absolutely sure that he doesn't spray any surfaces touched by hands, dishes or food.

Softball Slowed By Wet Grounds

Rains hampered Softball play last week . . . as one team dropped from the roster due to shift schedules. The Big Shops team, unable to man enough players, have cancelled the remaining games on the schedule. Teams scheduled to play them the rest of the first-half will draw a forfeit win.

Meanwhile, Recreation announces that another team may be formed to fill the gap. If interested, call 3-7109.

The K-25 Sports began the week last Monday amid rain . . . but took a forfeit from the Big Shops.

K-25 Slugs slammed the Bat Boys, Y-12, 19 to 17 in Thursday's initial tilt. Glenn Bryson and Dave Hendrickson slapped homers out for the losing Y-12 team.

Two Y-12 teams collided in the second game, as the Pirates eked by the Eagles with a 13 to 12 victory. Jerry Davis homered for the Pirates; Trig Myhre for the Eagles.

The K-25 Mets made mince-meat of the Y-12 Falcons Thursday 33 to 4 . . . maintaining a second-place lead in standings. Practically everyone on the Mets' squad collected a four-bagger. Bob Henderson, two; Jack Roach, two; Steve Cates, Jim Neff, and Harold Cornett, all one apiece. Bob Rose knocked the only homer for the losers.

The Flyers finished the abbreviated week by their forfeit win over the Big Shops.

League tsandings follow:

Team	W	L
Braves, Y-12	7	0
K-25 Mets	3	1
Pirates, Y-12	5	2
K-25 Sports	5	3
Eagles, Y-12	4	4
Flyers, Y-12	4	5
Bat Boys, Y-12	3	5
K-25 Slugs	3	5
Falcons, Y-12	1	7
Big Shops, Y-12	0	9

YWCA Announces Summer Courses

Registration for Young Women's Christian Association summer classes for teen-agers is now underway.

Scheduled to begin June 12 are Charm and Modeling classes . . . and sewing. On June 13 bridge classes begin; and on June 26 social dancing will be taught. Tennis is offered for nine to 12-year-olds beginning June 12, and June 28 for ages 12 to 15.

Classes in July will be folk guitar, baton, water ballet, oil painting, bridge, tennis and modern dancing. Scheduled for August are babysitting, knitting, sewing, tennis and needlecraft. Both boys and girls are eligible for most classes.

A full schedule is available at the YWCA office. More information may be obtained from Donora Hall, Oak Ridge telephone 483-3502. Mrs. R.T. Cantrell (wife of Bob in Recreation) is YWCA executive director.

U.S. Savings Bonds Replaced By Treasury

Owners of U.S. Savings Bonds need not worry about their investment, should they fall victim to a sudden disaster such as a flash flood or tornado. The Treasury acts quickly to replace or reissue Bonds in such hardship cases. When a tornado raced through Indiana in the Spring of 1965, one family lost 71 bonds. Thirteen turned up in mutilated condition and were replaced; the other 58 were reissued. In the same tornado, another Indiana family lost 57 Bonds — all of which were replaced.



D. F. 'RED' LEACH, Research Services, recently pulled this giant blue cat from the waters of the French Broad River. The monster tipped out at 80 pounds . . . and get this, blue cat is good eating, too!

Recreation



Sunday, June 11

SKEET TOURNAMENT: 1 p.m., Oak Ridge Sportsmen's Association range.

Monday, June 12

SOFTBALL: 6:15, 7:30, 8:45 p.m., Pinewood Park. Falcons vs. K-25 Slugs; Big Shops vs. Bat Boys; K-25 Mets vs. Pirates.

PHYSICAL FITNESS: (For Women) 7 p.m., Oak Ridge High School Girls' Gym.

Tuesday, June 13

SOFTBALL: 6:15, 7:30, 8:45 p.m., Pinewood Park. K-25 Sports vs. Braves; Flyers vs. K-25 Slugs; Eagles vs. Bat Boys.

PHYSICAL FITNESS: (For Men) 7:30 p.m., Oak Ridge High School Gym.

CAMERA CLUB: 8 p.m., Fellowship Hall, First Presbyterian Church, Oak Ridge.

Wednesday, June 14

CARBIDE RIFLE LEAGUE: 7 p.m., Clinton Rifle Range.

Thursday, June 15

SOFTBALL: 6:15, 7:30, 8:45 p.m., Pinewood Park. Falcons vs. Pirates; Big Shops vs. Braves; K-25 Mets vs. K-25 Sports.

ARCHERY LEAGUE: 5:15 p.m., Oak Ridge Sportsmen's Association.

Saturday, June 17

POWDER PUFF RODEO: Blue Springs Dock, Watts Bar Lake, sponsored by E, F, G, H and J Shifts. Details later.

Round Dancing Classes Started

Round dancing classes began Monday, June 5. They are held at 7:30 p.m. in the Green Room of the Ridge Recreation Hall, Jackson Square. Instructors are Bob and Janette Kemper (Kemper is in Y-12's Facilities Engineering). They issue an invitation to all Y-12ers to join them.

What is "round dancing?" Wayne Wylie, nationally known round dance choreographer and instructor, who came from St. Louis to teach during the recent Dogwood Arts Festival in Knoxville, gives the following definition: "A Round Dance is a couple dance made up of dance patterns taken from both folk and ballroom basics, arranged in sequences and set to given measures of a specific melody."

The Kempers have been round dancing for several years and are at present instructing a beginning group. They are members of the Roundelays Round Dance Club, Knoxville, and of the Dixie Round Dance Council, an organization of instructors and advance dancers from four Southern States. They have attended workshops in Fontana, Gatlinburg and Atlanta.

More information may be obtained from Kemper at extension 3-5367, or at his Oak Ridge telephone 483-3337. Registration will continue until June 19.

An expert is one who knows more and more about less and less.

Tee-Off Time Application For Springbrook (Niota) Tournament

Saturday, June 24

Foursome

_____, Leader

_____,

_____,

_____,

_____,

Leader's office phone _____

Home phone _____

Tee-off Time Preferred _____

Fill out completely and return to the Recreation Office, Building 9704-2. Deadline for entering is 4:30 p.m. Wednesday, June 21. Tee-off times will be drawn the next day, Thursday, June 22, at 8:30 a.m.



"I understand you want to leave early tonight, Miss Jackson!"



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Belinda Irwin

Rainbows Install Belinda Irwin

Belinda Irwin was installed May 21, as Worthy Advisor in the Order of Rainbow for Girls at the Clinton Assembly #61.

Belinda is 15 years old and a sophomore at Clinton High School. Besides Rainbow, she is kept busy with many other activities . . . as a senior scout and patrol leader where she has been earning her Aide to Handicapped People, public relations, laboratory aide, and program aide bars. She is assistant editor of the Dragon '68 Annual and is active in the Science Club, Pep Club, Future Teachers of America, Spanish Club and has been nominated for the National Honor Society.

Belinda is president of St. Mark's Methodist Youth Fellowship, Treasurer of Anderson County Subdistrict MYF, and secretary-treasurer of Clinton District MYF. She has maintained an A average since entering Clinton High.

During the summer months, Belinda is kept busy playing for the Clinton Senior Girls softball team.

The Irwins live at 406 West Church Street, Clinton. The proud father, Charles E. Irwin, is in Y-12's Ceramics and Plastics Development Department.

Nuclear Power Predictions

Continued from Page 1
ing facilities, the fraction of the increase that will be nuclear, and changes in construction schedules, were considered in arriving at the range of 120,000 to 170,000 megawatts.

Puerto Rico BONUS Film Now Available

A new film covering the Atomic Energy Commission's BONUS Nuclear Power Plant in Puerto Rico is now available for loan through the AEC here.

The 20-minute color film, "BONUS For Puerto Rico," describes the construction and initial operation of the Boiling Nuclear Superheat Reactor, the first nuclear power plant in the tropics. The BONUS plant is a joint project of the AEC and the Puerto Rico Water Resources Authority and is operated for the AEC by PRWRA. The film, available in both Spanish and English, is non-technical, and may be borrowed without cost except for return postage by contacting the Motion Picture Film Library at the AEC.



RECENTLY INDUCTED OFFICERS in the Oak Ridge Toastmasters Club include O. P. Killeen, president; Y-12er John F. Gregory, secretary; and Richard W. Dehoney, educational vice president . . . front row from left to right. In the back row are Y-12er William T. Crow, sergeant-at-arms; Bernard J. Sturm, administrative vice president and William M. Vaden, treasurer. Toastmasters has the motto "for better listening, thinking and speaking." A feature of the organization is a self-improvement program to aid in mastering the art of effective speaking. The Oak Ridge Toastmasters Club has dinner meetings every Monday night at the Alexander Motor Inn at which members give speeches, then submit them to fellow members for constructive criticism.



ROBERT C. WEAVER, center, ORNL Chemical Services, recently made history at Y-12's Credit Union when he processed a new auto loan. Weaver's loan topped the 50 millionth dollar the Credit Union has loaned to its members in the past 17 years. Weaver, congratulated by Fred Wilkerson, left, and Mrs. Lorena Causey, treasurer-manager, stated that he had used the credit facilities since he came here in 1951.



Ride wanted from Louisiana Avenue, Oak Ridge, to North or Biology Portal, straight day. Norma Bryson, plant phone 3-5859, home phone Oak Ridge 483-8397.

A Camera Look At Oak Ridge Ready

"Oak Ridge on Camera — 1942-1967" is the title of the Carbide Camera Club's exhibit of a panoramic view of the past 25 years here, now on display at the Oak Ridge Atomic Museum.

Pictures of highlights of the past quarter of a century are arranged to give the viewer an idea of what has happened in these hills since the birth of atomic energy.

Many of the photographs used came from the Bulletin's archives. The show opened Sunday, June 4, and will be up at the Museum for about two weeks.

Yale's Firk Discusses Linear Accelerator

F. W. K. Firk, Yale University, will lead this week's Physics Division seminar. His subject will be "Nuclear Reaction Studies with the Yale Electron Linear Accelerator."

The seminar is set for Friday, June 9, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

Pearl Harbor Bonds Uncovered By Captain

A retired Navy captain recently found, among his papers, fragments of two \$50 Savings Bonds recovered when his ship was sunk at Pearl Harbor. The Bonds are now worth \$162.52, but rather than exchange his fragments for replacements, the captain is keeping them as mementos. Meanwhile, the interest continues to grow — at the current rate of 4.15 per cent.

Safety is your own look-out.

Y-12 Credit Union Loans Its 50 Millionth Dollar!

Y-12's Credit Union recently passed a land-mark rather quietly. The employee-owned, employee-managed credit group loaned its 50 millionth dollar! Robert C. Weaver, ORNL Chemical Services, tipped the scales when he bought a new automobile financed through the Credit Union.

Weaver, who lives at 310 D Street, Lenoir City, has been a booster of the Credit Union since his employment here . . . coming to Y-12 January 5, 1951 (operations at the Credit Union had only been going six months at that time!). At one time, he made a real estate loan . . . one of the largest made to that date.

A U.S. Army veteran, Weaver is a graduate of Lenoir City High School. He was employed here earlier between 1945 and 1947 for Tennessee Eastman. He is married to the former Essie May Shaw, and they have one son Dennis.

Weaver worked for J. A. Jones between his Y-12 sints, and the Tri-City Paint Company here. He also worked for the Maxon Construction Company, and Stone and Webster in the early days of Oak Ridge.

With not quite 17 years of operations under his belt . . . and with \$50,000,000 loaned to its members . . . the Y-12 Credit Union roughly averages three million dollars a year in loans.

'Neither A Borrower'

Borrowing money from one's self is the basis of the credit union philosophy. Polonius's facetious advice to Laertes in Hamlet: "Neither a borrower, nor a lender be; For loan oft loses both itself and friend, and borrowing dulls the edge of husbandry" is, unfortunately one of life's truisms. The lend of one's own money, however, loses no friendship and loses no loan . . . and dulls no edge of husbandry. Loans are insured (paid in full in case of death or permanent and total disability). They are repaid by convenient payroll deductions. The loans are made in the strictest of confidences with no embarrassment or delays.

The 17 years of service the Credit Union has provided its members include a lot of autos, real estate, education, vacation,

home repairs, emergency finances, and what-have-you. \$50,000,000, even in these days of astronomical figures, is a lot of money!

The Y-12 credit group is one of the few credit unions in this area that owns its own building. The Credit Union has been in its new, handsome building more than five years now. Located on Lafayette near the Y-12 "Y" it is just about as close to the plant as it can get.

Convenience, Service

Convenience and service have been the watchwords of the Credit Union since its inception. Pioneers who organized the group, many of whom are still around and still active in the group, believed in the future of the plant and united with fellow employees for the self-help organization. That trust has been fulfilled and assets for the credit group are more than six million dollars!

Last year alone a total of 5,399 loans was processed to Y-12ers with only six rejections.

"We have not yet reached our full potential in membership . . . or in service," credit union officials state.

"The Credit Union does not and does not intend to stand still. Better service to its members is the constant goal."

If you have not visited with the friendly staff at the Y-12 Credit Union recently . . . for an increase in savings, for an auto or boat loan, or for financial counseling, or just to say "hello," drop by and see them. They are **your** employees and there to serve you.

Remember, the Credit Union belongs to you . . . USE IT!

TAT Recruiting

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any of the courses.

Certificates will be awarded to all those completing a full training course and a record of the trainee's progress will be maintained and made available to prospective employers.

Further information and application forms for training may be obtained from any office of the Tennessee Department of Employment Security. Priority will be given to applications received by August 1 for training courses scheduled to begin September 11.