

6-12517



JOHN F. ELLIS AND RAYMOND D. ALEXANDER (from left to right), engineers in Electrical, will speak at an upcoming meeting of the Instrument Society of America. Both Ellis and Alexander will describe the Standards Laboratory.

Standards Laboratory Is Topic Of Instrument Society Meeting

Two Y-12 engineers will speak at a dinner meeting of the Oak Ridge Section of the Instrument Society of America. The meeting is to be held at the Clintonian Restaurant, Clinton, Wednesday, April 7.

Raymond D. Alexander and John F. Ellis, standards engineers in the Electrical Department, will speak on "The Necessity of Standards and their Relationship to Industry." Alexander will speak on the aspects of electrical standards, and Ellis will speak on physical standards. The talks will cover primary and secondary standards and the various relationships between the National Bureau of Standards and the use of individual standards. Both speakers will go into the preventative maintenance value of standards.

Alexander holds a BSEE from Tennessee Polytechnic Institute,

and came to Y-12 August 12, 1963 . . . after serving with the Air Force as an air traffic control radar technician. He was with the RCA Company, Camden, New Jersey, before coming here. He is a member of the Institute of Electric and Electronic Engineers.

Ellis is a graduate of the University of Tennessee, and came to Y-12 June 3, 1963. He was in the student cooperative program of the Southern Bell Telephone and Telegraph Company. He was with the Air Force also as a radar technician, and needs only his thesis to complete his MSEE at UT.

The social hour of the ISA meeting will begin at 6:30 p.m. April 7, with a smorgasbord dinner at 7:15. The technical meeting begins at 8.

Reservations should be made through P. P. Williams, extension 3-1205; H. S. McKown, 3-5649; J. A. Owen, 3-9611; or Gary Davidson, Knoxville telephone 525-9538.

A description of Y-12's new Standards Laboratory will be carried in an issue of the Bulletin soon.

All ISA members and guests are invited to the April 7 meeting.

ONLY A PART

On a clear night the naked eye can see about 5,000 stars. In the 'neighborhood' of the earth, however, there are at least 200 billion.

Evening School Gives Spring Curriculum

Registration Begins Thursday, March 25

The University of Tennessee Evening School begins registration tomorrow, Thursday, March 25.

Office hours for the Oak Ridge division are from 5:15 p.m. until 8. Students may register tomorrow, Friday and Saturday, from 10 a.m. until 1:30 p.m. at the Oak Ridge High School.

Classes offered at the college level for the Spring Semester are:

- Accounting 213**, Introduction.
- Art Education 211**, Drawing, Painting, Elementary School.
- Business Law 433**, Survey of Business Law.
- Economics 213**, Principles.
- Education 303**, Social Foundations and Curriculum.
- Education 372**, Teaching Science, Elementary Schools.
- Educational Psychology 381**, Adolescence.
- English 113**, Composition.
- English 213**, American Literature.
- History 223**, History of the United States.
- Industrial Engineering 441**, Quality Control.
- Math 113**, General.
- Math 133**, Mathematical Analysis.
- Philosophy 221**, Elementary Logic.
- Physics 263**, General.
- Psychology 211**, General.
- Psychology 213**, General.
- Psychology 345**, Industrial.
- Rapid Reading**.
- Sociology 212**, General.
- Sociology 213**, General.
- Special Education 404**, Appraisal of Communication Disorder.
- Speech 231**, Basic Public Speaking.
- Speech 232**, Basic Public Speaking.
- Speech 233**, Basic Public Speaking.
- Speech Pathology 404**, Appraise of Communication Disorders.
- Statistics 331**, Industrial Statistics.
- Transportation 213**, Principles of Traffic.

Classes begin for the Spring term Monday, March 29 . . . and commencement is planned for June 6.

Additional courses are available in the Knoxville extension.

Additional information may be obtained by telephoning the Evening School at Oak Ridge telephone 482-2851.

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SOMEWHERE AMONG THESE 22 awards is your selection. Now do you remember what you ordered? Distribution of the big awards for 1964's cumulative safe hours work will begin next Tuesday, March 27 . . . at 2 p.m. See you at the portals!

'Biggest Ever' Safety Awards Will Be Distributed Next Week

Y-12ers will reap the benefits next week of the 16,072,755 man-hours worked from May 1, 1963 through all of 1964 without a lost-time accident. Distribution of the 22 glamorous safety awards begins next Tuesday, March 30, at 2 p.m.

The awards will be at the portals from 2 until 5 p.m. Tuesday, Wednesday and Thursday, March 30, 31 and April 1. Morning hours from 6:30 until 8 a.m. will also be observed Wednesday and Thursday.

The awards cover the cumulative 1964 safety awards and mark the 34th period (from May 1, 1963 through February 1, 1964 for an 8,814,026 man-hour count); the 35th period (from February 3, through May 14, 1964 for 3,456,000); the 36th (from May 16, through July 22, 1964 for 2,128,396 man-hours); and for the 37th period (from July 24, through September 14, 1964 for 1,674,333 man-hours).

The 22 items mark the first distribution on the 'cumulative' system wherein employees bank their award periods toward an annual award, rather than individual items for each safe period.

Selections Listed
The accompanying picture shows the selections made by Y-12ers recently. The awards consist of a fire extinguisher with extra cylinder, skil saw, electric griddle, electric slicing knife, Toast-R-Oven, automatic electric blanket, stainless steel buffet style multi-cooker frypan, two-suitcase luggage, twin brush and

rug cleaner, 11-transistor radio (AM & FM), clock radio, all-purpose mixer, Osterizer blender, five-piece Revere Ware set, five-piece Corning Ware set, four-quart-electric ice cream freezer, Mitchell spinning reel and rod, hair dryer, camp stove and stand, and card table with two chairs.

The earned value of the above awards is set at \$19. Through mass-buying employees are awarded items above the usual monetary value of the periods worked.

In July 1963 it was decided to change the period-by-period awarding of safety prizes, and go to the present system.

Pick Awards Up Early

Due to the size and bulk of the awards, the Safety Department is urging employees to pick up the selections as soon as possible. **If a vacation is planned next week, or if illness prevents anyone from picking up his award, arrangements may be made through a friend to have him pick up the award. Just give him your badge number, and let him bring your award to you.**

Distribution of the awards will be made at the portals indicated on the selection card. If an employee has transferred since his selection was made, his award will be at the old portal, or the one indicated at that time.

Leaving work is an ideal time to pick up the award. The distribution is made near your parking place, and carrying the award back into the plant is eliminated.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated **110 Days Or 3,276,000 Man-Hours** (Unofficial Estimate) Without A Disabling Injury Through March 21 Phone 3-7755 For Daily Report On Accident-Free Hours

The Bulletin

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



NUCLEAR DIVISION

JAMES A. YOUNG Editor



OFFICE
Post Office Box Y
Oak Ridge, Tenn. 37831
Bldg. 9704-2 Room 137
Telephone 3-7100



ENGAGEMENTS



Miss Evelyn Louise Bonney

BONNEY—HEDGECOTH

Mr. and Mrs. Willie H. Bonney, 101 East Damascus Road, Oak Ridge, announce the engagement of their daughter Miss Evelyn Louise Bonney to Mr. Chester Lawrence Hedgecoth. He is the son of Mrs. Chester A. Hedgecoth, Crossville, and the late Mr. Hedgecoth. The bride-to-be's father is in Y-12's Assembly Operations.

Miss Bonney was graduated from Tennessee Polytechnic Institute with a degree in education, and attended the University of Tennessee where she did graduate work in social work. She is employed by the Tennessee Department of Public Welfare as a child welfare worker in Roane County.

The groom-elect was graduated from Tennessee Polytechnic Institute with a degree in musical education and is attending the University of Tennessee. He was band director at East Ridge High School, Chattanooga, for four years. He is presently employed by the Knoxville City Schools and is a member of the Knoxville Symphony.

A summer wedding is planned.

Badge Exchange Set For Next Wednesday

The quarterly badge exchange will begin next Wednesday, March 31, at 11 p.m. New yellow bordered badges go into the self-service racks at that time.

They will remain at the portals at least two weeks. The badges are arranged in numerical order at the portals.

Swap yours early, O. K.?

GOLDEN MIXTURE

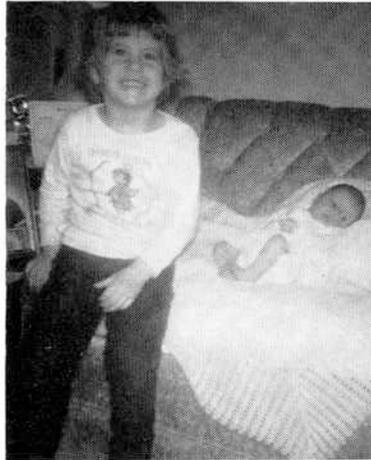
When gold is mixed with 25 per cent platinum, a pure white metal known as white gold emerges.



And a happy Spring to you, too! One morning last week, we didn't even have to scratch frost from the windshield. We may go swimming one day next week. Let's uncover some of the news and wallet bait found lying around the desk.

First in . . .

SHIFT SUPERINTENDENTS AND UTILITIES



Julia and Barbara Jo

These handsome little girls are the granddaughters of **L. R. Bailey**, Utilities Administration. They are Julia and Barbara Jo Foust . . . ages three and eight days old here.

From PSS it's told that **Carl Frazier** attended the Conservation Convention in Memphis.

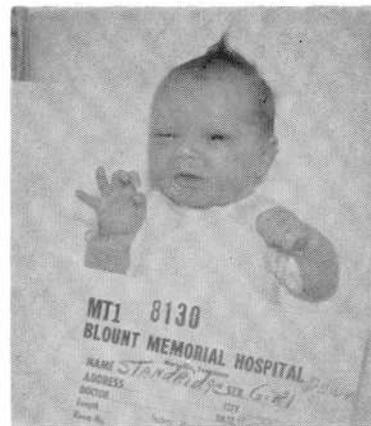
Ill in the hospital was the father-in-law of **F. C. Lowry**. Best wishes to him.

Finley Creigh vacationed in Florida recently.

Mrs. **H. N. Benninghoff** left for Washington recently to take daughter Carol there. Carol plans to work in the nation's capitol.

E. W. Mahan vacationed around home recently.

P. J. Beeler built a new house for his baby chickens recently . . . and **C. G. Wilson** vacationed to fish and farm.



Dawn Standridge

March 12 was a big day in the N. M. Standridge family. Little Dawn Standridge made her entrance at the Blount Memorial Hospital, Maryville. She weighed eight pounds, six ounces on arrival.

C. A. Cox is ill in St. Mary's Hospital and the best to him.

Handwriting on the wall usually means there's a child in the house.

Harris Will Lead Thermonuclear Seminar

E. G. Harris will discuss "Collisional and Anomalous Diffusion" at this week's Thermonuclear Division seminar.

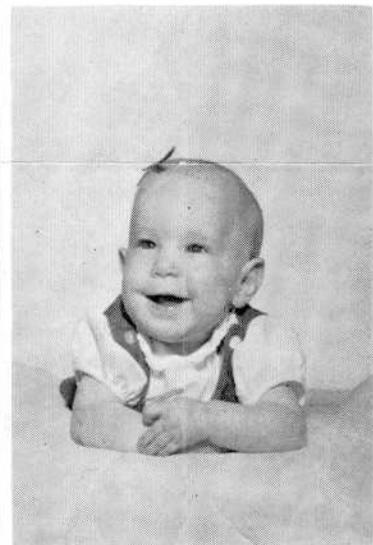
It is set for 9 a.m. tomorrow, Thursday, March 26, in the TD Conference Room, Building 9201-2.

ASSEMBLY



Karen & Rena Wise

C. W. Wise, Dispatching, and his wife Elizabeth had their son, daughter-in-law and two granddaughters home for Christmas from Colorado Springs, where son J. W. is a sergeant in the Army. The kids' names are Karen, three, and Rena, eight months . . . and cute, too.



Kelly Elizabeth Riggs

Judy and Ray Riggs got little Kelly Elizabeth to smile big for this photograph . . . even had a ribbon in her hair. C. R. Riggs is in Dispatching.

FABRICATION



Sharon Kay Burrell

W. R. and Helen Burrell, he's in 9212 Shops, come along with little Sharon Kay, born March 3,



FOUST—ROBERTS

Mr. and Mrs. Howard W. Roberts, Route 1, Clinton, announce the marriage of their daughter Miss Patricia Ann Roberts to Mr. Joseph F. Foust. The bride's father is in Y-12's Tool Grinding Department.

The groom is the son of Mr. and Mrs. Omer Foust, also of Route 1, Lake City.

The vows were repeated at 7 p.m., Saturday, February 6, at the parsonage of the Lake City Baptist Church. The Reverend George Delozier officiated.

Mrs. Foust is a graduate of Clinton High School and attended Draughon's Business College, Knoxville. She is employed in Loveman's business office, Oak Ridge.

The groom is a graduate of Lake City High School, and is also employed at Lovemans.

The couple is at home at Route 1, Lake City.

CANTRELL—CALDWELL

The First Christian Church, Oak Ridge, was the scene of the recent marriage of Miss Truennetta Carolyn Caldwell and Mr. Everett Gray Cantrell. The couple said their vows at 3 p.m. Saturday, February 20. The Reverend B. D. Nesbitt Jr. officiated.

The bride is the daughter of Mr. Haskel W. Caldwell, 203 Manhattan Avenue, Oak Ridge, and the late Mrs. Caldwell. The groom's parents are Mr. and Mrs. George Gray Cantrell, 104 Iris Circle. Mr. Caldwell is in Y-12's Area Five Maintenance and Mr. Cantrell is in Dimensional Inspection.

Oak Ridge Hospital. The Burrells have one other child, Dennis, 11 years old.



Debbie Kanipe

This little beauty was born February 15, St. Mary's Hospital, Knoxville to brighten the home of Mr. and Mrs. H. Vincent Kanipe. Mr. Swifley W. V. Kanipe is in G-3 Processing area . . . the proud grandpop. Little Debbie weighed six pounds, five and one-half ounces.

That's all the wallet loot for this week.

QUESTION ANSWERED

Well, the egg came before the chicken, says the National Geographic. Birds are an offshoot of reptile stock that was laying eggs millions of years before the first prehistoric bird flew, says the NGS.



Mr. and Mrs. Joseph M. Foust



Mr. and Mrs. Everett G. Cantrell

The bride was given in marriage by her father and wore a bridal gown of peau de soie, trimmed with pearly Alincon lace. The chapel train was formed by unpressed pleats in the back. Her veil was of English silk illusion held by an opened matching pill box. Her bouquet was centered with a white orchid and had streamers of white flowers.

Miss Janet Harris, Karns, served as maid-of-honor, and Miss Shirley Vowell was a bridesmaid. Both wore matching turquoise peau de soie dresses with matching Dior head pieces. They carried white pom-pom bouquets.

George R. Cantrell, Louisville, Kentucky, was his brother's best man. Ushers were Jack McNeal, Atlanta, Georgia; Budd Jones, Oak Ridge, and Haskell Ray Caldwell, Claxton.

After a reception in the Fellowship Hall of the church, the couple left for a wedding trip to Gatlinburg.

They are at home in Myrtle Beach, South Carolina, where the groom is stationed with the Air Force.

Harwell Visitor Leads Physics Division Talk

Oak Ridge National Laboratory's Physics Division announces its seminar for this week. G. Dearnaley, Los Alamos Scientific Laboratory (Visitor from AERE, Harwell, England), will speak on "Fluctuations in (alpha, p) Reactions, and Channelling of Ions in Single Crystal Semiconductors."

The seminar is set for 3:15 p.m., Friday, March 26, in the East Auditorium, of ORNL's 4500 building.

6-12241

6-12271



A CLASSIC TEAM called the Swingsters gear for another action session on Ark Lanes. From left are Otis Rackley, J. B. Strickland, Daye Phillipi, Sewell Brown and Glen Bates.

Classic League Still Belongs To Any Team As Bumpers Take A Slight Lead

The Bumpers pulled out into the lead in the Classic Bowling League last week by taking three and one-half points from the Eightballs. Three points down the line went to the Playboys over the Has Beens, the Cubs over the Rebels, the Swingsters over the Smelters, the Markers over the Wolves, the Splinters over the Tigers, the Wasps over the All Stars and the Screwballs over the Rippers.

Tom Pappas, All Stars, took singles highs, rolling a 222 scratch, 254 handicap game. J. P. Smith, Markers, had a 574 scratch series, and G. G. Norton, Wasps, rolled a 656 handicap series.

The Markers marked best on singles, taking a 929 scratch, 1075 handicap game. The Swingsters posted a 2608 scratch series; and the Screwballs took a 2980 handicap series.

League standings follow:

Team	W	L
Bumpers	31½	12½
Rippers	29	15
Tigers	29	15
All Stars	25½	18½
Has Beens	25½	18½
Play Boys	24	20
Rebels	22	22
Eightballs	22	22
Cubs	21	23
Swingsters	20	24
Markers	19	25
Wolves	18	26
Splinters	18	26
Wasps	17½	26½
Screwballs	17	28
Smelters	13	31

Beavers Lose First Volleyball Game

Volleyball action began last week with two clean sweeps. The K-25 Instruments took four from the Mix-Ups, 15-4, 15-13, 16-14 and 15-2. Y-12's Eagles vaulted over the Vaults, 16-14, 16-4, 15-9, and 15-7.

The Set Ups continued their spotless record by taking four from the Bums, 15-3, 15-6, 15-8 and 15-5. ORSORT and the Y-12 Yanks shared two games each... ORSORT winning 15-4, 15-7 and the Yanks 15-13, 15-11.

Y-12's Beavers won three from the Old Men 15-8, 15-6, 15-7 and lost their first game in the second half of the league play 15-13.

League standings follow:

Team	W	L
Set Ups	20	0
Beavers, Y-12	19	1
K-25 Instruments	11	9
Eagles, Y-12	10	6
Scrubs	10	10
Old Men	10	10
Vaults	8	12
Bums	8	12
ORSORT	6	10
Yanks, Y-12	3	13
Mix Ups	5	15

New Comedy Will Open At Beth El Center

"Make Haste to be Kind" will be the eighth production of the Ladies Auxiliary of the Jewish Congregation of Oak Ridge. The three-act comedy was written by Dot DeCamp, and is set in Atlantic City during the summer of 1930. The action centers around the Dienstag family, their relatives and friends, all of whom are feeling the first effects of the depression.

Performances are set for April 1, 3 and 4 and 8, 10, and 11 at the Beth El Center. The production is being directed by Ann Diamond.

Tickets may be obtained from Mrs. Sheldon C. Jacobs, Oak Ridge telephone 483-9558.

Beavers New Lead In Bush Bowling

The Bush Bowling League got a new leader last week as the Beavers rolled past the Outcasts for three points. Other such victories went to the Beginners over the Hi Balls, the Spec Five over the Teds and the Seven Sixties over the Rollmasters.

Ray Seivers, Seven Sixties, hit the high stride to take all individual honors with singles of 219 scratch, 252 handicap . . . and series of 579 and 678.

The Beavers were best on single scratch with 872 and the Seven Sixties took handicap highs there with 1030. The Beavers' series of 2485 and 2938 were high.

League standings follow:

Team	W	L
Beavers	30½	12½
Rollmasters	29	15
Outcasts	26	18
Beginners	23	21
Spec Five	22	22
Hi Balls	16½	27½
Seven Sixties	15	29
Teds	14	30

Big Five Now Lead C Bowlers

The Big Five jumped to a three point lead in C Bowling action last week by a three-point win over the Sunflowers. Four points went as the Rodders rammed past the Badgers, the Five Roses out-fired the Rounders and the Shud-A-Beens slammed the Hookers. The Lucky Strikes took three from the Hi Lifers.

W. C. Smith, Rodders, took all individual highs . . . rolling singles of 226 scratch, 256 handicap; and series of 589 scratch, 679 handicap.

The Five Roses took single scratch highs with 907 and the Rodders swept the rest of the board, single handicap scores of 1051 and series of 2614 and 3097.

League standings follow:

Team	W	L
Big Five	31	13
Hi Lifers	28	16
Rounders	26	18
Strikers	24	20
Rodders	23½	20½
Five Roses	21	23
Shud-A-Beens	21	23
Lucky Strikes	20½	23½
Parbusters	20	24
Hookers	19	25
Sunflowers	18	26
Badgers	12	32

Shifters To Repeat Blue Springs Rodeo

Due to the un-Spring like weather last Saturday, E, F, G, H and J Shifters will repeat their Spring Fishing Rodeo Saturday, March 27 at Blue Springs Dock.

The same hours will prevail and the same rules. Fish caught either Saturday, March 20 or the 27 will be eligible for prizes.

Daffynitions

- PARKING LOT:** A place where you leave your car to have dents put in the fenders.
- SCRATCH SHEET:** A road map to the poorhouse.
- SEANCE:** Sitting down with a few choice spirits.
- UPPER BERTH:** A place where you rise to retire and get down to get up.
- VANDAL:** A painter of moustaches.
- WHEEL:** The vindication of the rolling stone.

MANY SPLENDORED THING
It's small wonder the world can't get along. There are approximately 1,000 separate languages including dialects spoken in this old world.



IT WAS OUT ON NORRIS LAKE that E. L. Martin, Uranium Chemistry, captured this handsome largemouth bass. Its weight, of course, is a secret . . . but as anyone can tell it's a whopper! Bait used was an artificial worm.



MOVING UP STRONG in the Mixed League for Y-12 bowlers are the Alley Cats . . . seen above. From left are Bill Dyer, Jeri Kobisk, Elinor Charpie and Bill Smith. The Cats stand a good chance of taking number two spot in the last half of league rolling. The Twisters took second place the first half.

Goofers Still Dominate Mixed Bowling With Only Two Weeks Of Rolling Left

Clean sweeps dominated the Mixed Bowling League last week . . . with the Goofers taking most of the headlines. They won four from the Turtles . . . the Alley Oops vaulted over the Blue Angels, and the Alley Cats tore past the Bingos. The Chumps clobbered the Twisters for four also.

Virginia Newby, Goofers, took all female honors, posting singles of 176 scratch, 222 handicap . . . and series of 467 and 605. Bill Stephens, Goofers, had high scratch scoring with a single of 209 and series of 557. Bill Sise, also of the Goofers, took handicap highs, with a single of 228 and series of 617.

The Goofers rolled a 650 single scratch game . . . and the Alley Cats took a 794 handicap single. In series it was the Goofers with 1903 and 2308.

League standings follow:

Team	W	L
Goofers	40	8
Alley Oops	30	18
Alley Cats	28	20
Chumps	26	22
Blue Angels	22	26
Twisters	20	28
Turtles	17	31
Bingos	13	35

Recreation

- calendar**
- Saturday, March 27**
FISHING RODEO: E, F, G, H, and J Shifts. Blue Springs Dock.
 - Saturday & Sunday March 27 & 28**
ALL CARBIDE BOWLING TOURNAMENT, Ark Lanes.
 - Monday, March 29**
BOWLING: C League, 5:45 p.m., Bush League, 8 p.m., Ark Lanes.
PING PONG: 7:30 p.m., Wildcats Den.
 - Tuesday, March 30**
PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School.
 - Wednesday, March 31**
BOWLING: E League, 10 a.m., Mixed League, 8 p.m., Ark Lanes.
PISTOL LEAGUE: 7:30 p.m., Anderson County Gun Club, Clinton.
 - Thursday, April 1**
BOWLING: Classic League, 5:45 p.m., Ark Lanes.
RIFLE LEAGUE: 7:30 p.m., Anderson County Gun Club, Clinton.
 - Saturday and Sunday April 3 and 4**
ALL CARBIDE BOWLING TOURNAMENT, Ark Lanes.

Art Hensley Leads Y-12 Marksmen

Art Hensley led the second firing for the Y-12 team in match number two. His 291 total scratch score was high. J. L. Huff followed with 287, G. Holcombe had 283 as did Dave DeWalt. Bert Searies fired a 279, as did Carl Brewster.

Brewster's 100 was the only perfect prone firing registered.

League standings:

Team	Score	Points
X-10	1440	3
Y-12	1423	2
Independents	1143	1

Always apply the "need-to-know" principle of security.

Hot Shots Extend E Bowling Lead

The Hot Shots extended their lead in the E Bowling League last week by taking a three-point win from the Cannon Balls. The Pintwisters also moved up by taking the same count from the Four Squares. The Alley Bees took four easy points by drawing a bye this week.

D. R. Lawrence, Hot Shots, rolled all the way on the boards. His singles of 192 scratch, 224 handicap were high . . . and his series of 573, 669 were high also.

The Pintwisters posted high singles of 643 and 792. The Four Squares took series scratch honors with 1824 . . . and the Hot Shots came in with a 2310 handicap series.

League standings follow:

Team	W	L
Hot Shots	34	18
Alley Bees	30	22
Pintwisters	28	24
Four Squares	24	28
Cannon Balls	24	32



"The computer wants to contribute \$100,000 toward Bill's wedding gift!"

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J. H. 'Tudor' Boyd

 6-12507
**Boyd Takes Masters
Degree At University**
**Well-Known Y-12er
Avid Sportsman**

St. Patrick's Day, 1965 was a red-letter day for sure for John H. 'Tudor' Boyd. Mixed in with the green of the Irish was the red of the letter spelling graduation day. March 17, Tudor received his Master of Science degree in Industrial Engineering, from the University of Tennessee.

A real native, Tudor was born in Knoxville. His parents, Mr. and Mrs. J. H. Boyd, residents of Athens, a sister Mrs. E. B. Bohannon and a brother Allen D. Boyd, also of Athens, were up for the graduating exercises.

Of course, Emma and the two girls were there too. Emma is the former Emma Russell, who was working in Y-12 when she and Tudor met and married. Now living at 103 Mason Lane, Oak Ridge, they have two daughters, Janet and Karen.

Previously, Boyd attended Tennessee Wesleyan College, and graduated from the University of Tennessee with a BS in Electrical Engineering. He also served two years in the U. S. Navy before coming to Y-12 on September 28, 1950.

And where did the name "Tudor" come from? Boyd says his mother named him that when he was a little fellow . . . and has since forgotten why she came up with that particular name.

Other than his scholarly activities, Boyd is an avid sportsman . . . comes a golf tournament, bowling league, or fishing session . . . he's there if he can possibly make it.

With the well-earned degree under his belt, and the balmy skies of Spring breaking, it's possible that the old greens may see a little more of him now.

Congratulations, Tudor!
Incidentally, he's in Y-12's Instrument Engineering.

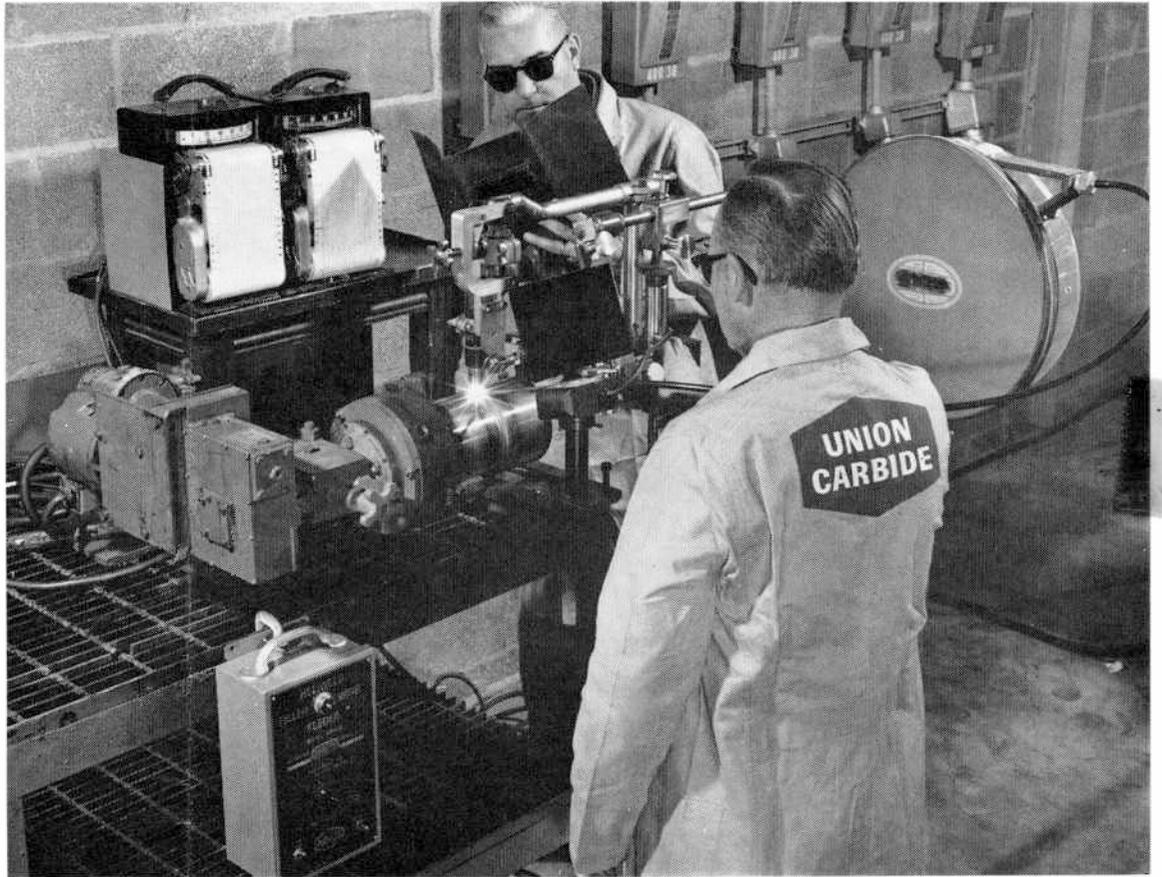
**'6-12' Introduced
In '64 As Patio Lite**

In 1964, the Consumer Products Division of Union Carbide introduced a new form of the popular "6-12" insect repellent. It became available in a new form . . . a pleasantly scented patio light candle packaged in an attractive reusable glass container.

will be new for most Y-12 duffers, as the Melton Hill Club opens 18 holes across the lake from the Clinton-Oak Ridge Highway.

AH, WORK!

Work is something which when we have it we wish we didn't; when we don't have it we wish we did, and the object of most of it is to be able to afford not to do any of it some day!



THE WELDING-TORCH-OSCILLATOR shown has substantially improved many welding operations in Y-12. This improved process permits the deposition of a weld layer uniformly over the entire width of a weld groove and produces a nearly flat weld pass eliminating undercutting. The technique reduces filler-wire requirements for final weld passes and weld machining time. The torch-oscillator consists of a variable-speed motor having an eccentric output connected to a cross slide by a rod. The torch is mounted on the cross slide and is moved from side to side across the centerline of the weld joint being made on the rotating work piece. The frequency and extent of the side-to-side motion of the torch can be preset or varied without interrupting the welding cycle as additional passes are made. E. Luttrell, Assembly Operations, and C. L. Estes, Physical Testing, are shown during test studies.

**Radiography Shop
Courses Going**

The Oak Ridge Chapter of the Society for Nondestructive Testing is currently sponsoring an education workshop in Industrial Radiography. The sessions began this Monday and Tuesday, March 22, 23.

They will be held again next Monday and Tuesday, March 29, 30 . . . as Mark R. Rosumany, superintendent of Industrial Radiography School of the Picker X-Ray Company, will speak on "Radiography with Isotopes" and "Radiography with X-ray machines."

On Monday, April 5, the speaker will be Ralph E. Turner, Eastman Kodak Company. He will talk on "Factors Affecting Radiographic Sensitivity."

The sessions are held, beginning at 7:30 p.m. in Room E-7 of the new circular addition of the Oak Ridge High School. The charge is \$2 for SNT members and \$4 for non-members.

Interested parties may still pick up the sessions, even though two have been held already.

**Summer Golf Schedule
Sets Five Tournaments**

Recreation announces summer golfing for Y-12 tee-men. The Golf Tournament Advisory Committee, consisting of I. G. Speas, George Heins and George Wylie have come up with five big contests on five different greens for the summer months.

The schedule is as follows:
April 24 — Wallace Hills Golf Course, Maryville.

May 22 — Beaver Brook Country Club, Powell.

June 26 — Gatlinburg Country Club, Gatlinburg.

July 31 — Melton Hill Country Club, Clinton.

August 28, Springbrook Country Club, Niota.

Applications for tee-off times will appear shortly in the Bulletin for the first big tournament. All the above dates are Saturdays, naturally. The new course appearing on the July calendar



Congratulations to the following five Y-12ers who celebrate anniversaries with Union Carbide Corporation.

20 YEARS

Buford E. Reneau, Alpha Five Machine Shop, March 26.

Frank L. Hammer, Guard Department, March 27.

George M. Kirtland, Shift Superintendents, March 29.

10 YEARS

George H. Russell, Utilities Administration, March 27.

William A. Gardner, General Metal Fabrication Shop, March 29.

**ASME To Sponsor
Student Paper Contest**

Meyer Bender, director of the General Engineering and Construction Division at the Oak Ridge National Laboratory, will judge student papers in an upcoming competition. The Student Paper Competition to be held during the annual Regional Student Conference of the Dixie Region, American Society of Mechanical Engineers, will take place at Gatlinburg on April 22, 23 and 24. The East Tennessee Section of ASME will host the conference. C. A. Burchsted, ORNL Chairman of the section, is conference planning chairman.

A wagging tongue is the biggest gap in security.

**Seadrift Plant
Expands Again**

A 30-million-pounds-per-year expansion of Union Carbide Corporation's high-density polyethylene facilities at Seadrift, Texas, has been completed.

The expansion is the second for the Seadrift plant's high-density polyethylene unit since its inception. A third expansion is planned and scheduled to be completed this year.

High-density, or linear, polyethylene is most widely used in blow molded containers for bleach, liquid detergents, and other household products. It is being used increasingly in injection molded beverage cases, and in other injection molding applications. Other uses include wire and cable insulation and packaging film and sheeting.



Katy Kutkost
SEZ:

H. A. "Bud" Fischer, 3-7768, Maintenance, needs an electric calculator real bad — mostly for multiplication and division — nothing fancy.

Bud is cost conscious. Before writing a requisition, he would like to know if somebody could spare one of the 519 existing Marchants, Monroes, Fridens, Olivettis, or equal floating around Y-12.

In exchange, he's willing to give undying gratitude and, for good measure, one moderately accurate slide rule.

By the way — those of you who have or need excess typewriters, adding machines, calculators, office furniture, and the like, be sure to get with Jim Sykes, 3-5347. He's the broker in charge of these.



ONE OF THE CAMERA CLUB'S most popular educational programs is the current one on portrait photography. Joe Jernigan, head of the Photographic Section here in Y-12, demonstrates the principles and practices of good portrait work, using Y-12's pretty Jeanne Cothron as a model. Joe pointed out that amateur photographers can improve their own portraits with just a little effort.