



— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

Vol. 24 — No. 2

OAK RIDGE, TENNESSEE

Wednesday, January 14, 1970

Carbide Pioneers Club Is Organizing To Group Y-12 Old-Timers And Retirees

A new organization, the Carbide Pioneers Club, is being planned for employees. Several hundred present and former Carbide employees are presently eligible for club membership, and more will be eligible in days to come.

This club is for all employees who have 25 or more years of company service, those 55 years old or older, and those who have retired or received medical terminations. In addition, the surviving spouse of a deceased Carbide employee may join as an associate member. Husbands and wives of these employees, although not actual members, will be welcome and urged to participate in club activities.

The Pioneers Club will consist of three chapters, one at each of the three Oak Ridge plants. An executive committee will consist of representatives from each plant to coordinate the overall club. Initial meetings of the club will be devoted to determining officer needs of the chapters and deciding the election method for them and the executive committee. Until the officers are elected and installed, the present three-plant steering committee, which has worked on the basic formation of the club, has agreed to serve as interim officers.

Initial goals of the club are to pioneer better approaches to retirement planning and living, to provide opportunities for sharing common interests, to sponsor an annual reunion of eligible Pioneers, to establish new friendships and revive old ones, and to share in the responsibility for the club formation, activities, and growth.

Those who join the Carbide Pi-

oneers in 1970 will be charter members. (Clark Center has already indicated that he means to be a Charter Member!) Charter members will play a vital role in the Carbide Pioneers Club; it will be their leadership that will determine how stimulating and worthwhile the club becomes. The involvement and creativity needed to plan, direct, and work for club goals will be a challenge to each member. These efforts should result in an expansion of interests, pride in achievement, and the satisfaction of sharing the benefits with fellow workers.

Every eligible employee is welcome to join as a charter member. (An application blank appears on the back page of this issue of The Bulletin.) There is no obligation involved at this time; fill out the form and return to indicate interest in belonging to the club. The by-laws and conditions for membership will be resolved at the initial club meetings of all interested Pioneers. In the meantime, any questions might be answered by a Steering Committee. In Y-12 members of the committee are Tom Burkett, extension 3-7856; Carl Frazier, 3-7172; or Don Hill, 3-7360.

The application, when completed, may be mailed to the Recreation Department, Building 9711-5. If using outside mail, please mail it to:

Recreation Department
Union Carbide Nuclear Division
Post Office Box Y
Oak Ridge, Tennessee 37830

AT EASE

One of the most comforting things in life: The current 10 top hits of the week won't be next week!

Kokomo Plant Is Sold To Cabot

The sale of Union Carbide's Stellite Business Center, Kokomo, Indiana, was announced recently. The complex was sold to Cabot Corporation, according to the joint announcement from Birny Mason, UCC board chairman, and Robert Charpie, president of Cabot Corporation, the purchaser.

The purchase price was about \$55 million. Following the transfer of ownership at the close of business on December 31, the Kokomo operation became known as the Stellite Division of Cabot Corporation.

The Stellite Division manufactures a diversified line of high temperature, wear and corrosion resistant super alloys, precision and foundry super alloy castings, wrought mill products, and fabricated equipment. These products are sold primarily to the aerospace, chemical processing, and power generation industries under the HASTELLOY, HAYNES ALLOY and STELLITE ALLOY trademarks. Dr. Charpie, a former Carbide executive, announced that the acquisition will broaden Cabot's opportunity to apply its technology to advanced engineered products in addition to the performance chemicals, energy, and engineered products markets in which Cabot now participates.

The Stellite business was part of Carbide's Material Systems Division in Group 1. There are about 2,200 employees at the Kokomo plant, many of whom are ex-Y-12ers.

MATTER OF DEGREE

Many people get a kick out of doing some things, yet there are always those who don't get it in the right place.

Jordan, King Are Named Foremen, Effective Jan. 1

Two additional promotions are announced in Y-12, effective January 1. The Maintenance Division has elevated Don A. Jordan to painting foreman, and Technical Services has upped Clifton K. King to inspection foreman.

Jordan, a native of Salt Lake City, came to Y-12 July 8, 1967, after being in construction work for the Church of Jesus Christ of Latter Day Saints most of his adult life. They live at 8039 Kingston Pike, Knoxville. Mrs. Jordan is the former Louie M. Gilkey.

The couple has two sons, Roger, working on a two-year mission with the LDS Church, and Win, a freshman at Brigham Young University, Provo, Utah.

Besides their interest in the Church, the Jordans are avid stamp collectors, specializing in first date covers.

Clifton K. King, born in Clinton, now lives at Route 3, Tacora Hills.

King came to Y-12 April 13, 1954. He had previously worked with Reeder Motors, the Tennessee Valley Authority and Walker Chevrolet before coming here. He is a veteran of the U.S. Air Force, serving from 1950 until 1953.

Mrs. King is the former Anna B. Dover, and they have two children, daughter Carole Ann, and son Kenneth D., both in grammar school in Clinton.

In his spare time King devotes considerable interest to a home shop.

(Next week: Promotions also announced in the Physical Testing Department.)



Don A. Jordan



Clifton K. King

Annual Credit Meet Set Next Thursday

Y-12's Credit Union has set its annual meeting for next Thursday, January 22, at 7:30 p.m. The meeting will take place at the Robertsville Junior High School, Robertsville Road, Oak Ridge. (Proceed across the Turnpike at Illinois, to Robertsville . . . then turn left . . . you can't miss it!)

Departing from the usual custom of providing various gifts as door prizes, officials state that this year there will be only cash door prizes.

Each individual member of the credit organization is urged to attend his credit union's annual meeting. His voice is sought in the management of his own organization.

Meanwhile, the board of directors has named Captain M. L. Woodard, chairman, and R. E. Schabot and G. C. Cook to the nominating committee for various vacancies occurring in posts within the credit union.

MIT's Baranger Guest At Physics Seminar Here

Michel Baranger, Massachusetts Institute of Technology, will lead this week's Physics Division seminar. His topic will be "Definition of the Single-Nucleon Potential."

The seminar is set for Friday, January 16, at 3:15 p.m. in the East Auditorium of ORNL's 4500-N Building.

'Spot Bid' Sale Ends On Surplus January 21

A "Spot Bid" sale on used government property is set for next Wednesday, January 21. The items may be seen at the Sales Office, off State Highway 58, Building K-722, near the K-25 plant.

Included in the sale are used government-owned vehicles and office equipment. There are sedans, trucks, vans, carryalls in the vehicle sale and adding machines, typewriters, calculators and copiers in the equipment sale.

Inspection may be made from 8 a.m. to 4 p.m., Mondays through Fridays, up to the time the bids are closed for each lot.

The sale starts at 9 a.m., next Wednesday, January 21.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 12 Days Or 331,000 Man-Hours (Unofficial Estimate) Through January 11 Without A Disabling Injury SAFETY AT HOME, AT WORK, AT PLAY



FRANK FUIS, TOOL ENGINEERING, recently was granted a patent application in the name of the U. S. Government for his development, "A Pressure Regulator for a Circulating Fluid System." Above, Fuis receives his letter of commendation from James Hodges, right. Standing from left, are Ernest Watkins and George Jasny, superintendent of the Engineering Division.

The Bulletin

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



NUCLEAR DIVISION

JAMES A. YOUNG Editor



American Association Industrial Editors

OFFICE
Post Office Box Y
Oak Ridge, Tenn. 37830
Telephone 3-7100



Carl D. St. Onge

Y-12's St. Onge Earns UT Degree

Graduation at The University of Tennessee, Friday, December 19, saw a well-known Y-12er take an advanced degree. Carl D. St. Onge, Mechanical Manufacturing Design Department, was awarded his MS in mechanical engineering.

Carl took his undergraduate degree at the University of Missouri at Rolla in 1961. He had previously served in the U.S. Navy and was employed part time at Ben's Auto Repair, in his native St. Louis.

St. Onge lives with his family at 312 Delaware Road, Oak Ridge. At Rolla he was a member of Tau Beta Pi, and Pi Tau Sigma, both honorary fraternities.

Mrs. St. Onge is the former Glorianna Scism. The couple has two sons, Keith and Tim in Elm Grove Elementary School. A Webelos Leader, St. Onge devotes much of his spare time to scouting activities.

A registered professional engineer, St. Onge is a member of the American Society of Mechanical Engineers.

Naturally, the new graduate took advantage of Union Carbide's Educational Assistance Program.

ASME Meeting Set Tomorrow At Elks'

The Oak Ridge Subsection of the American Society of Mechanical Engineers will meet tomorrow, Thursday, January 15. The meeting is set at 7 p.m. at the Elks Club, Arkansas Avenue. A social hour will start the meeting, with the technical session set at 8.

Kenneth L. Vander Sluis, a physicist in the Physics Division of Oak Ridge National Laboratory, will be the speaker. His subject will be "Holography," and he will provide demonstrations with equipment.



PERRY — HIGGINS

Miss Barbara Kay Higgins and Mr. James Ronald Perry were married Friday, December 19, at Trinity Methodist Church, Oak Ridge, with the Reverend Charles Dye officiating at the rites.

The bride is the daughter of Mr. and Mrs. Ted S. Higgins (he's in Y-12's Special Services) and the groom is the son of Mr. and Mrs. J. M. Perry, 117 Inca Circle, Oak Ridge.

Miss Debbie Laughlin was the bride's maid-of-honor and Richard Clark served as the groom's best man.

A reception honored the couple at the church immediately after the ceremony. Assisting were Misses Sue Perry and Becky Black.

The couple is at home in Johnson City where both are students at East Tennessee State University.

MATTHEWS — CAUSEY

Of interest to many Y-12ers was the Saturday, December 27 marriage of Mrs. Lorena M. Causey to Mr. Clayton Lamar Matthews. The vows were repeated at the home of Col. and Mrs. Raymond Stripling, Knoxville. The rites were performed by Dr. E. D. Galloway, minister of the First Baptist Church, Oak Ridge.

Mrs. Matthews, a native of Meridian, Mississippi, has been associated with the Y-12 Credit Union since its founding in June of 1950. She was named to the board of directors in 1951 and has served as treasurer and manager since that time. In addition to her post at the Y-12 credit organization, she has been active in local, state and national credit union organizations, holding offices in each of the groups.

Mr. Matthews has been in Y-12 since 1943, and is currently in the Product Information Center.



Mrs. James Ronald Perry (Barbara Kay Higgins)

A reception honored the couple following the ceremony. Guests included friends and relatives from Knoxville, Bristol, Atlanta and Paducah, Kentucky.

They will reside in Oak Ridge and Knoxville.

Rear View Mirror Is Vital To Driver

Get the habit of looking in your rear view mirror often while driving. Knowing what is behind you is as much your responsibility as seeking what is up ahead. You should check your rear view mirror every five or six seconds and never pull out of line to pass someone or change lanes without

Rest of 1970's Holidays Will Fall On Long Weekends For Y-12ers' Pleasure

With New Year's Day out of the way, Y-12ers have it made for the remaining holidays in 1970 . . . in others words, long weekends for every last one of them! How about that.

Take a look at the schedule:

George Washington's birthday	Monday, February 23
Good Friday	Friday, March 27
Memorial Day	Friday, May 29
Independence Day	Friday, July 3
Labor Day	Monday, September 7
Thanksgiving	Thursday, November 26
Day After Thanksgiving	Friday, November 27
Christmas	Friday, December 25

We celebrate a total of nine holidays each year. Only a level of work force necessary to assure continuous operation and protection of the plant is required on declared holidays. If a holiday falls on Saturday, we observe Friday . . . if it comes on Sunday, we take Monday off. Smart folks, we!

Correct Address Is Vital To All Y-12ers

Have you moved lately? Changed your name due to marriage or divorce, or for other reasons?

The Bulletin always likes a correct address on its avid readers. An incorrect address always costs us money in these hard-pressed days. And besides, when one issue of the paper is returned your name is removed from the mailing list until we get a corrected address from you.

Your department or divisional office has forms to be filled out when you move. Pick up one, fill it out, then just drop in the mail boxes in the plant. It will automatically go to Personnel Records, then on to the Mail Department.

When you change your name . . . well, that's something else again. You have to go to Personnel then and they'll take over from there.

checking your rear view mirror first. Remember also there is a blind spot when a car is to your rear and passing you. You need to install a side-view mirror on your car in order to check this condition.

Alert today—alive tomorrow.



Ride wanted from vicinity of Bull Run Steam plant to North Portal, straight day. T. C. Hale, plant phone 3-7558, home phone Claxton 945-3142.

Ride wanted from Gettysburg Avenue, Woodland section, Oak Ridge, to West Portal, straight day. R. M. Jenkins, plant phone 3-7624, home phone Oak Ridge 483-3830.

Ride wanted from North Knoxville area, 814 Derry Street, to North Portal, straight day. Homer Anderson, Jr. plant phone 3-5583, home phone Knoxville 523-2005.

Ride wanted or will join car pool from North Hills, Knoxville, to West Portal, straight day. H. A. Hanna, plant phone 3-5283, home phone Knoxville 522-0587.

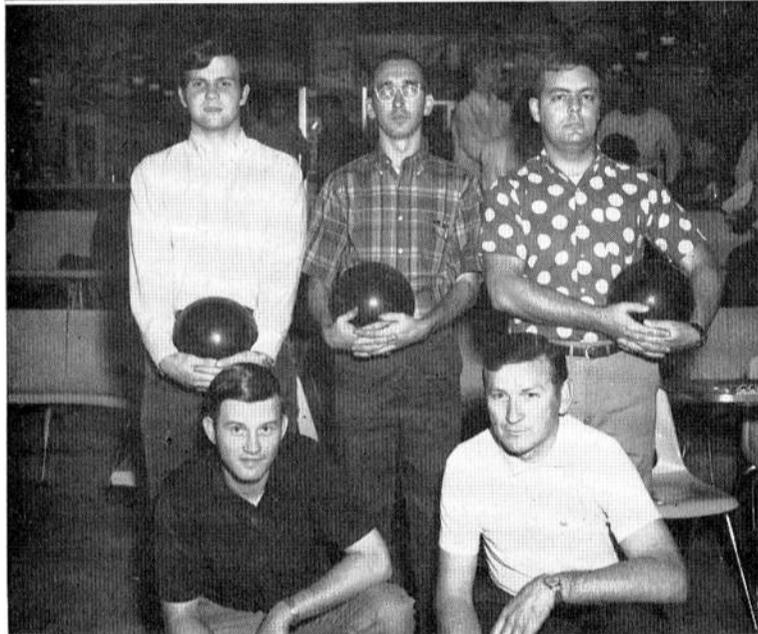
Ride wanted from Callahan Road, Powell, to Central or West Portal, straight day. A. V. Bailey, plant phone 3-5283, home phone Powell 947-1109.

Will join car pool from East Village, Oak Ridge, to East Portal, straight day. Ed Williams, plant phone 3-5445, home phone Oak Ridge 482-2227.



BEGINNING 1970 on an easy note are the above Y-12 veterans . . . 13 in all, who elected early retirement December 31. The group represented a total of 239 years company service with Union Carbide Corporation. Standing from left, are C. H. Jarvis, W. H. Donahue, G. W. Hart, E. H. Johnson,

R. M. Rowan, H. H. Sanning, W. Crowe and J. B. Ensor. Seated are A. B. Cassidy, R. E. Blank, S. W. Lindsay, L. B. Morrow, and Eula M. Estes, the only woman retiree in the group. Y-12ers send their best wishes to all early retirees for a long and happy life.



THE WOODPECKERS AND HAS BEENS make up two teams in the deadly competition now involved in Starlite bowling over across in Knox County. The Woodpeckers, at top, are from left, J. D. Ball, D. B. Plemens, Dave Moseley, Captain, J. F. 'Red' Leach and Doug Sparks. The Woodpeckers, at bottom, are J. D. Woodard, captain; W. R. Smeltzer, kneeling . . . standing are J. R. Lewis, H. L. Gerth and W. W. Thompson Jr.

Dynapaths, In Starlite Bowling League, Take 2nd Sweep Even Rolling With A Nemo!

A tie is still the big story in the Carbide Starlite Bowling League after last week's frigid action. The Hi-Jackers hailed the Thunderbirds down for the full count, as the Woodpeckers romped over the Wilcreats. The Dynapaths (for the second consecutive week) took a sweeping win despite the fact they were rolling with a blind nemo . . . this week defeating the Jaguars. The Has Beens crashed the Splitters for the full count.

Howard Crane, Hi Jackers, zeroed a 214 scratch game through. His series of 596 scratch, 565 handicap were high, too. Shelton

Jaguars' Bowling Team Needs Some Bowlers . . .

The Jaguars team in the Starlite League needs a bowler or two due to some students leaving. The League rolls at 8:30 p.m. every Tuesday night at the Starlite Lanes, Knoxville.

Interested parties should get in touch with team captain, Don Jordan, extension 3-5445, or Dave Mosley, league president, 3-7085; or J. D. Ball, league secretary, 3-7268.

LIKELY PROFESSION

Being a husband is pretty much like any other job . . . a lot of it depends on how well you like the boss.

Hastings, Splitters, scored a 247 handicap single.

The Hi-Jackers went all the way on team honors . . . singles of 904 scratch, 1033 handicap . . . and tied their old record for season highs with series of 2668 scratch, 3034 handicap.

League standings follow:

Team	W	L
Hi-Jackers	27	9
Woodpeckers	27	9
Splitters	22	14
Dynapaths	21	15
Has Beens	17	19
Thunderbirds	16	20
Wildcats	10	26
Jaguars	4	32

Beavers, The Pack Top Volleyballers

Volleyball roared back after two weeks hiatus from holidays . . . as action opened on Court A last Thursday night. The Blacksmiths fired away at Beta 4 Commodores, downing them 15-7, 15-8, 15-10, and 15-9. K-25 Gashouse Gang galloped past the Ecobums 15-3, 15-5 and 15-9 . . . the 'Bums won game three 15-13. The K-25 Hawks belted the Boomerangs 15-4, 15-5, 15-7, and 15-4.

On Court B, meanwhile, the Beavers took revenge on the Set-Ups, skunking them 15-7, 15-13, 15-13, and 16-14. The Old Men ousted the Bombers 15-8, 15-9, 15-9 . . . while the Bombers took game four 15-11. Y-12's Old Men clipped the Eagles in game one 15-11 and in game four 15-10 . . .

Recreation



Monday, January 19

BOWLING: C League, 5:45 p.m., Ark Lanes.

TABLE TENNIS: 7 p.m., Wildcat's Den.

BASKETBALL: 6:30, 7:30, 8:30 p.m. Oak Ridge High School Gymnasium. Front Court: Isotopes vs. GBU's; Mod Squad vs. Meat Loafs; Nads vs. Beta 2 Miners. Back Court: K-25 Trojans vs. Bombers; Butterballs vs. CC 69ers; Y-12 Rats vs. Hawks.

Tuesday, January 20

PHYSICAL FITNESS (For Men): 7-9 p.m., Oak Ridge High School Gym.

BOWLING: Carbide Starlite League, 8:30 p.m., Starlite Lanes, Knoxville.

Wednesday, January 21

BASKETBALL: 6:30, 7:30, 8:30 p.m. Oak Ridge High School Gymnasium. Front Court: Computes vs. Buccaneers; Ail Stars vs. Butterballs; Quarks vs. Aggressors. Back Court: Spoilers vs. Rolling Bones; Development All Stars vs. Road Runners; Bombers vs. Hawks.

BOWLING: Mixed League, 8 p.m. Ark Lanes.

Thursday, January 21

BOWLING: Classic League, 5:45 p.m. Ark Lanes.

VOLLEYBALL: 6:30, 7:45, 9 p.m. Oak Ridge High School Gym. Court A: K-25 Gashouse Gang vs. The Pack; K-25 Hawks vs. Beta 4 Commodores; Beavers vs. Ecobums. Court B: Old Men (ORNL) vs. Boomerangs; Y-12 Old Men vs. Set-Ups; Eagles vs. Bombers.

CREDIT UNION: Annual Meeting, 7:30 p.m. Robertsville Junior High School. Cash Door Prizes!

Classic Keglers Open Second Half

The Classic Bowling League opened their initial guns last week, scoring into the second half. Sweeps were taken by the Rebels past the Smelters, the All Stars over the Eagles and the Splinters past the Playboys.

Posting three were the Has Beens by the Eightballs, the Screwballs superior to the Cubs, the Swingsters by the Markers, the Pinbusters past the Rippers and the Bumpers by the Tigers.

Bill Ladd, Eightballs, rolled a fierce 248 scratch game. Bob Rutherford, Has Beens, rolled a 270 handicap single. His series of 627 scratch, 702 handicap was hot for the night.

The Has Beens had high singles . . . 995 scratch, 1120 handicap. The Rebels rolled high series . . . 2668 scratch, 2989 handicap.

Initial standings follow:

Team	W	L
Rebels	4	0
All Stars	4	0
Splinters	4	0
Has Beens	3	1
Screwballs	3	1
Swingsters	3	1
Pinbusters	3	1
Bumpers	3	1
Eightballs	1	3
Markers	1	3
Rippers	1	3
Cubs	1	3
Tigers	1	3
Smelters	0	4
Eagles	0	4
Playboys	0	4

while the Eagles took games two and three 15-7, 16-14.

Team	W	L
Beavers, Y-12	12	0
The Pack, ORNL	8	0
K-25 Hawks	14	2
K-25 Gashouse Gang	11	5
Old Men, ORNL	9	3
Blacksmiths, ORNL	7	9
Set-Ups, ORNL	6	6
Ecobums, ORNL	5	11
Eagles, Y-12	4	8
Y-12 Old Men	4	8
Bombers, ORNL	3	13
Boomerangs, ORNL	1	15
Beta 4 Commodores, Y-12	0	12

Y-12 GBU's, ORNL Computes Shine As Only 'Clean' Basketball Squad

Fresh from recent holidays, Carbide Basketball aces returned to the hardwood all geared for winter's play. Last Monday the Butterballs failed to show, and the Quarks took a forfeit win.

The Nads trimmed the Hawks 45 to 37, as a much improved Hawk team made a run of it for three quarters, but the Nads got hot in a two-minute spurt in the final period. Hugh Beeson, Lynn Story and Ralph Horne made it tough for the Nads but Ron Bennett, Tony Thomas and Jim Smith rose to the occasion.

The Bombers with deadly accuracy lowered something on the Mod Squad, 60 to 31, using a balanced attack to sink the Y-12 team. The Bombers dominated both boards, using superior height to advantage.

In an excellent team effort, the Isotopes isolated the Buccaneers 46 to 30. Sam Weaver led the scoring attack by the I's with an even dozen points. Earl Nall paced the losers with 18.

Ail Stars Ailing

The Spotters sank the Ail Stars 63 to 19 in a one-sided affray with John White leading the Spotters with 22 huge points. Bryson led the losers with 16 of the 19 points.

Final play Monday saw the Road Runners dump the Rats 47 to 33. Larry Jones tried desperately to keep the Rats alive but the Runners were too much, as they raced away from the Rats in the last half with Willie Williams hitting with his left hand jump shot.

Larry Jones led the Rat pack with 17 through the trap.

GBU's Flex Muscles

In the zero weather of Wednesday, the big GBU's flexed their muscles over the Aggressors 69 to 29. Larry McDonald led the fast-breaking, smoothly operating GBU's as he poured through 25 points and fed many assists to Doug Ramer and Hunter Foreman who hit 14 and 12 each as they completely outclassed the Aggressors.

The Beta Two Miners took a forfeit from the Meat Loafs as Somebody didn't get thawed out properly.

An upset fight saw the Rolling Bones take one from the K-25 Trojans 42 to 36, in a very bruising

Mixed Lead Still In Gofer Hands

The Goofers stay atop the Mixed Bowling League after last week's action. They scooped up three points from the Rollers. Posting four were the Alley Cats by the Hits & Misses and the Spare Parts over the Mustangs. The Twisters tore three away from the Roses 'N Thorns.

Elbert Scott, Hits & Misses, rolled a 202 scratch game. Billy Patrick, Alley Cats, had high handicap counts . . . singles of 237, series of 646. Fred Hammond, Goofers, rolled a 547 scratch series.

Ethel Spray, Spare Parts, took all women honors . . . singles of 180 scratch, 218 handicap; series of 498, 612.

The Goofers rolled singles of 686 scratch, 808 handicap. Their 1898 scratch series was high also. The Alley Cats racked up a 2336 handicap series.

League standings follow:

Team	W	L
Goofers	7	1
Alley Cats	6	2
Roses 'N Thorns	5	3
Spare Parts	5	3
Hits & Misses	3	5
Twisters	3	5
Mustangs	2	6
Rollers	1	7

ing foul-marred contest. Jim Amburgey played a bang-up game on the boards to lead the Bones to the upset. Ken Bell paced the Bones with 13 points.

Computes Down 69ers

The Computes kept a clean slate by dumping the CC 69ers 81 to 52. Big Jim Treadwell held down to six points in the first half broke loose in the third period and added 27 more points in the final two periods. The Computes dominated both boards, as Harold Conner and Calvin Angel were the big guns for the 69ers, but not enough for the smoothly-operating Computes.

The Mod Squad put the Development All Stars down 41 to 27, in a very slow moving ball game. The Squad slowly pulled away with Frank Thompson and Russ Smith hitting 13 and 14 respectively. Larry Coffman got hot for the Stars, especially in the last period.

The Nads added the Y-12 Rats to their victims in the week's final game. Good ball handling and outstanding rebounding enabled the Nads to trounce the Rats. Jerry Goddard was especially rugged on the offensive board.

League standings follow:

Team	W	L
GBU's, Y-12	4	0
Computes, ORNL	4	0
Nads, ORNL	5	1
K-25 Trojans	4	1
CC 69ers, Y-12	3	1
Spotters, ORNL	3	1
Rolling Bones, ORNL	3	1
Beta 2 Miners, Y-12	3	1
Isotopes, ORNL	3	3
Butterballs, ORNL	2	2
Aggressors, ORNL	2	2
Bombers, ORNL	2	2
Quarks, Y-12	2	3
Buccaneers, Y-12	1	3
Ail Stars, Y-12	1	3
Hawks, Y-12	1	3
Meat Loafs, ORNL	2	4
Rats, Y-12	1	4
Mod Squad, Y-12	1	4
Road Runners, Y-12	1	4
Development All Stars, Y-12	0	5

Big 5 Retain C Alley Margin

The Big Five still hold an edge in the C Bowling League after last week's action. They took three from the Parbusters. Also posting three were the Rounders by the HiLifers, the Fireballs around the Anodes and the Badgers by the Go Go Gophers. The Instrument Engineers registered the only four-point sweep of the week by the Royal Flush.

The Rollmasters and Sunflowers shared two points.

Bill Ladd, Rollmasters, rolled a 228 scratch game, a 609 scratch series. Jim McLain, Fireballs, felled a 247 handicap single . . . and Hugh Richards with the Badgers belted out a 654 handicap series.

The Badgers were best in singles . . . 914 scratch, 1029. The Big Five flew through in series with a 2667 scratch total; and the Badgers returned to the boards with a 2932 handicap series.

League standings follow:

Team	W	L
Big Five	10	2
Rounders	8	4
Fireballs	8	4
Instrument Engineers	8	4
HiLifers	7	5
Badgers	7	5
Sunflowers	6	6
Rollmasters	6	6
Go Go Gophers	5	7
Anodes	4	8
Parbusters	2	10
Royal Flush	1	11

DON'T FENCE ME IN

There are a lot of wide open spaces left in this country. Only trouble is most of them are surrounded by teeth.

FINANCIAL BLISS

Old money may be filthy . . . but if you have enough of it, you can buy plenty of soap to clean it with!

Statistical Services' Tom Harvey Honored



Thomas R. Harvey

Two distinct honors have come to Thomas R. Harvey, Statistical Services, lately.

First, back in November Tom was notified that he had been selected to the Beta Gamma Sigma, national honorary society for business administration students. Beta Gamma Sigma is sponsored by the American Association of Collegiate Schools of Business. It ranks with such societies as Phi Beta Kappa and Tau Beta Pi. Membership is limited to the highest 20 per cent of graduate students receiving degrees, to the highest 10 per cent of those in the senior class, and to the top five per cent of the junior class.

Membership in the honorary society includes a gold membership insignia and a certificate of membership. (Initiation ceremonies took place at the University Center of the University of Tennessee Monday, December 8.) Harvey was nominated for the honor by H. Alan Lasater, secretary of the local chapter of the society, and a former Y-12er. Lasater is an instructor in the College of Business Administration at U.T.

In mid-December Harvey was notified by the Chemical Division of the American Society for Quality Control that a paper Professor Lasater gave at the annual conference in St. Louis based on Tom's work for his degree had won distinct honors. (Tom received his MS degree in statistics from UT last August.)

The paper received the Shewell Award, and Harvey will be so honored at the October, 1970, technical conference in Rochester, New York.

Harvey lives at 615 West Vanderbilt Drive with his wife and two children . . . Brenda and Robert. Mrs. Harvey is the former Virginia Westmoreland.



Congratulations to the following Y-12ers who mark early-in-the-year anniversaries with Union Carbide Corporation.

25 YEARS

John T. Byrum, Guard Department, January 14.

Paul E. Whillock, Chemical Services, January 15.

Bernard B. Foster, Buildings, Grounds and Maintenance Shops, January 16.

20 YEARS

Albert T. Van Dyke, Beta Two Forming, January 16.

15 YEARS

Clyde E. Carter, Machine Maintenance, January 15.

Wesley T. Vannosdall, Beta Four Heavy Machine Shop, January 15.

Thomas H. Bettis, Receiving Department, January 17.

Sherman T. Crisp, Machine Maintenance, January 17.

Jessie W. Weaver, Beta Two Shop, January 17.

Walter S. Hollingsworth, Process Maintenance, January 19.

Max L. Dunlap, Receiving Department, January 20.

10 YEARS

Thomas W. Avera, General Machine Shop, January 18.

Wallace L. White, Production Radiation Testing, January 20.

Welding Society Sets Its Meeting Tuesday



Patrick J. Killian

The Northeast Tennessee Section of the American Welding Society will hold its next meeting Tuesday, January 20, at the National Guard Armory, Oak Ridge. A social hour is planned for 6:30 p.m. with dinner at 7 and the technical meeting at 8 p.m.

The guest speaker will be Patrick J. Killian of the Caterpillar Tractor Company. He received his BA degree in economics from the University of Notre Dame in 1953, and joined the Caterpillar Tractor Company in 1957. He is currently a sales representative in the Inertia Welder Department.

Killian will speak on "Inertia Welding and Inertia Welding Design."

A Whistle Might Save Your Life!

Believe it or not, but any ordinary dime store whistle might someday save your life.

According to the National Safety Council, many campers carry a small whistle when they're out in the field so they can signal for help in an emergency.

Three short, sharp blasts is all it takes.

It's a widely recognized call for help.

The Council says it's also not a bad idea to equip your small fry with whistles . . . preferably attached to their clothing so that when they get lost the whistles won't.

Just one small complication, however. You've got to teach junior not to use the whistle except in case of an emergency—which does not include needing a drink of water at midnight.

And when back in the city, give the whistle to your wife. It not only will keep junior from temptation, but some dark night it just might prove to be a girl's best friend.

Rocky Flats Fire Tops 1969 List

Fire killed approximately 12-100 people in the United States during 1969, the National Fire Protection Association (NFPA) reported recently.

The same number of fatalities was estimated for 1968. According to the international fire safety organization, the 1969 record actually represents a slight improvement, since fire deaths remained at the same level while the nation's population rose by roughly 2,000,000.

Deaths in dwelling fires declined fractionally, from 6,600 in 1968 to 6550 in 1969.

Property destroyed by fire during the past year totaled \$2,415,000,000, the preliminary NFPA estimates indicate, which is an increase of \$260,000,000 over 1968. Of the property loss total, \$1,940,000,000 represents damage to buildings and contents, and non-building fires — those involving aircraft, ships, motor vehicles and similar equipment as well as forests—cost about \$475,000,000.

The worst loss of life fires in 1969 occurred in transportation. A ship collision and fire off New Orleans on April 7 took 26 lives, the U.S.S. Enterprise fire in Pearl Harbor on January 14 cost 24 lives, and the crash and fire of a DC-3 at New Orleans Airport on March 20 killed 16 persons.

The worst property loss fire of 1969 in the United States was the \$45,000,000 fire at the U.S. Atomic Energy Commission's Rocky Flats plant operated by Dow Chemical Company, at Golden, Colorado, on May 11. On August 6, a Stop and Shop Inc. grocery warehouse in Boston was destroyed at a cost of \$15,000,000, and on January 1 fire leveled a group of buildings in Webster, Massachusetts, housing several industrial firms, with losses of \$10,000,000.

Life is short, but accidents make it shorter.



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Computers May Replace Test Tubes In Resolving Complex Chemical Tests

Computers now can replace the test tube in some areas of chemistry, and it appears that if taxed to their limits they may well find new preparations and compounds.

Computers can do this thanks to mathematical models of chemical compounds and chemical reactions such as those developed during the past six years at the Atomic Energy Commission's Argonne National Laboratory near Chicago.

Dr. Arnold C. Wahl, a chemical physicist, and his colleagues in Argonne's Chemistry Division, use large computing systems and precise mathematical models to look at chemical processes such as the formation and excitation of molecules.

"This work is most properly viewed as a new instrument for the chemist," according to Dr. Wahl.

Many systems which scientists study, using the computer, are difficult to analyze in the laboratory because the processes may involve conditions as hot as the temperature of the sun, very corrosive materials, short-lived particles, and other extreme characteristics. For example, the technique has been used to study high temperature properties of alkali metal vapors. Alkali metals are used to cool nuclear reactors.

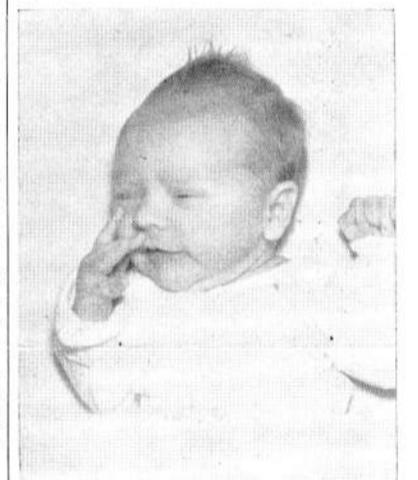
Dr. Wahl believes the mathematical model technique is bringing closer the day when every experimental chemist will have a computer available to which he can turn for answers to many of his chemical questions.

"When this technique is avail-

able to him, the chemist will ask himself: 'Shall I go to the lab and do a conventional experiment or should I go to the computer and do a numeric experiment?'" Dr. Wahl said. "It often will be more economical and easier to turn to the numerical model," he added.

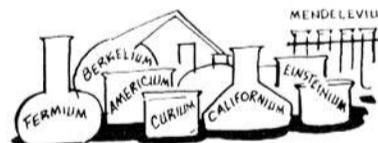
The exciting part of all this," Dr. Wahl commented, "is that we are getting to the point, on simple judiciously chosen chemical systems, where our results are better than experiments."

Drive to arrive alive—Drive defensively.



IT'S A BOY! for the Ronald Milligans, born November 24, 11:33 in the evening, weighing seven pounds, nine ounces. He arrived at Fort Sanders, and bears the name Andrew 'Andy' Patrick Milligan. Ron the proud young papa is in our Security Department.

FAMOUS ATOMIC SCIENTISTS

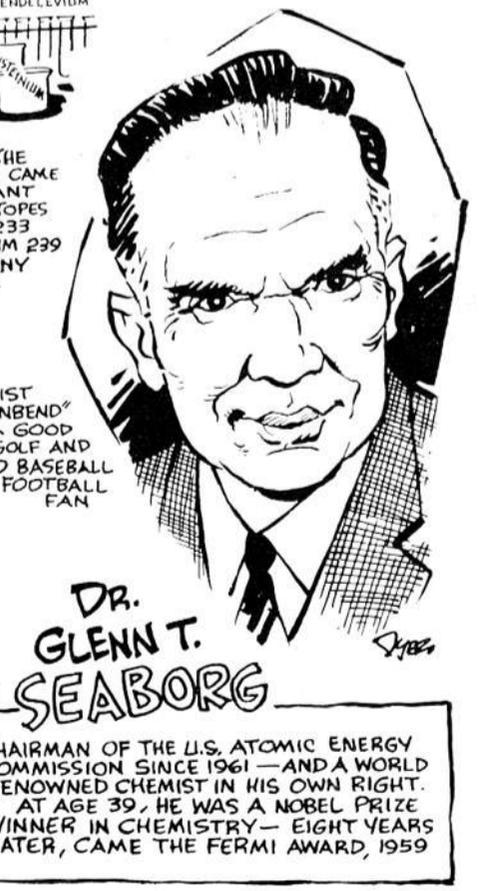
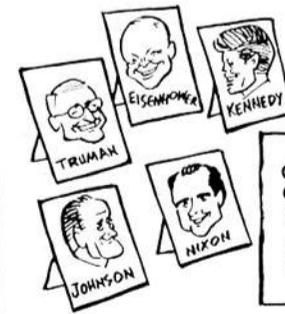


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DR. GLENN T. SEABORG

CHAIRMAN OF THE U.S. ATOMIC ENERGY COMMISSION SINCE 1961 — AND A WORLD RENOWNED CHEMIST IN HIS OWN RIGHT. AT AGE 39, HE WAS A NOBEL PRIZE WINNER IN CHEMISTRY — EIGHT YEARS LATER, CAME THE FERMI AWARD, 1959

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