

High Stakes In Election Tomorrow!!

A recent television fan magazine carried an appalling story of a 24-year-old TV star. The young entertainer admitted he had never voted, and up until a year ago, had never read a newspaper! The boob-tube idol went on to admit that he had never thought much of dying until the trouble in Viet Nam started and boys his own age started getting killed.

We'll give the entertainer a flat zero as far as citizenship is concerned. And when the final epitaph for democracy is written . . . we'll give him full credit . . . if there are any of us around to remind him of his misplaced sense of responsibility.

Tomorrow, August 4, is a great day in Tennessee . . . and in many other parts of the nation. Vox Populi is the word the Romans gave it. We simply call it Election Day.

Election Day makes kings of us all . . . the only royalty we know in this country; the only we want to know.

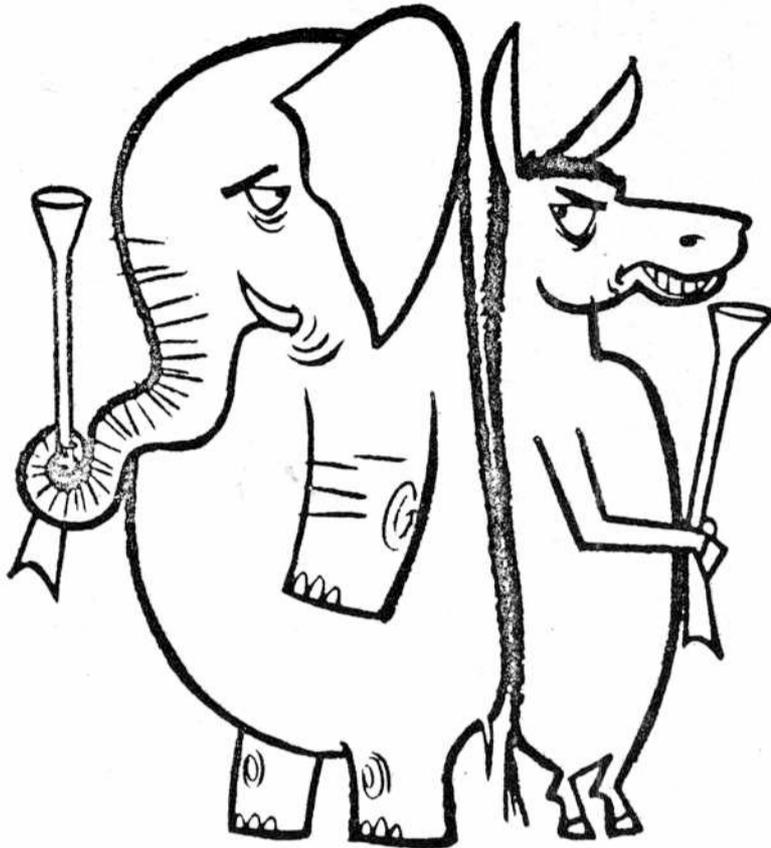
Issues To Resolve

Important offices are to be filled tomorrow . . . issues to be decided. The Republicans and Democrats hold primary elections to determine who will carry that party into November's general election.

The local county races are decided . . . in Anderson practically every office in the county is up for grabs.

An important school bond issue faces the electorate in Oak Ridge. The future education of the youth in town is at stake in this vital question. Study the issues carefully. For an uninformed voter is almost as bad as a non-voter.

In the party nominations . . . there's a governor to be nominated . . . a U.S. Senator to be named



'Come November, we'll show you who's a son-and-so!'

. . . and several other important offices to be filled.

Politics is not an ugly word. The quicker this attitude is dropped completely, the better off we all are.

Check with your supervisor if you live outside Knox, Roane or Anderson counties. It may be that you will need time off from work, with pay, of course, to get to your home polling place before it closes. No employee will be denied his franchise simply because he couldn't make it to the voting booths in time to vote.

Y-12ers In Races

Several Y-12ers are in the running in many races in this and nearby counties. Y-12ers, or not, our public servants are being named by the sovereignty of that beautiful word . . . the **VOTE.**

So, a pox on any 24-year-old that has never voted! This nation will surely survive such slothfulness from some of its citizens. But if this attitude becomes the rule, rather than the exception, the death knell for democracy has started.

As John Adams once wrote: "Where elections end, there slavery begins."

Are you voting tomorrow?

Thermonuclear Speaker

Dr. Carl Nielsen, Ohio State University, will lead this week's Thermonuclear Division seminar. His subject will be "The Phoenix Experiment."

The seminar is set for tomorrow, Thursday, August 4, at 9 a.m. in the TD Conference Room, Building 9201-2.

Sales, Earnings For Union Carbide Break Records At Year's Mid-Term

Second Quarter For 1966 Is Ninth Consecutive Period For Increases In Corporate Business

Union Carbide's first six-months sales and earnings were at the highest levels in corporate history, according to an announcement from Birny Mason Jr., Chairman of the Board. First half sales rose to a record \$1,097,231,000, nine per cent above 1965's first-half sales of \$1,002,084,000. Earnings for the first six months increased 15 per cent to \$125,458,000, or \$2.08 a share. For the same period last year, the corporation earned \$109,116,000, or \$1.81 a share.

Sales and earnings for the second quarter were also at new highs, continuing the succession of nine individual quarterly records. Second-quarter sales increased to \$466,710,000. They were up nine per cent over 1965's second-quarter sales of \$518,340,000. Earnings for the period were \$63,746,000, or \$1.06 a share. This was a gain of 11 per cent over the \$57,340,000, or 95 cents a share earned in the same period of 1965.

Price Stability, Improved Operating Efficiencies Cited

Several factors contributed to these results, Mason noted. The principal ones were the high level of the economy, relative price stability, attention to improved operating efficiencies, and a significant increase in dividends received from foreign subsidiaries.

Sales of all major product groups were well above the first half of 1965. The percentage increases were approximately the same for each group except carbons, for which the higher gain was due to a very heavy demand for batteries and electrodes. The following tables gives a quarterly comparison of product group sales.

Sales By Product Groups Millions of Dollars

	1965				
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Year
Chemicals	\$163	\$182	\$198	\$200	\$743
Plastics	88	92	89	90	359
Industrial					
Gases	93	97	96	99	385
Metals	75	82	73	71	301
Carbons	65	65	69	77	276
TOTAL	\$485	\$518	\$525	\$537	\$2,064
	1966				
	1st Qtr.	2nd Qtr.			
Chemicals	\$176	\$191			
Plastics	97	101			
Industrial					
Gases	103	109			
Metals	80	88			
Carbons	75	78			
TOTAL	\$531	\$567			

Commenting on Union Carbide's business outside of the United States, Mason said that export sales continued strong. Sales and earnings of the corporation's foreign subsidiaries and affiliates are also encouraging and are ahead of the results achieved in 1965.

Mason stated that the high level of demand for Union Carbide's products has resulted in continued near-capacity operations in many product areas. This is true not only of basic, well-established products, but also of some of the corporation's newer products. Capacity for glyoxal, for example, a chemical used in permanent-press fabrics, is lagging far behind the demand, but, between now and the end of the first quarter of next year, it will be increased from 30 million to 180 million pounds per year. Similarly, other product shortages are being alleviated by additions to capacity, and the expansion program is continuing at a level higher than that of 1965 both domestically and internationally. In addition to the fact that these new facilities will ease the capacity problems now in existence, most of them incorporate improvements in process and design and are expected to have a significant impact on efficiencies, costs, and quality of products.

Expansion Underway In Many Union Carbide Divisions

Union Carbide has several major expansion projects presently under construction in the United States, Mason indicated. Among the new facilities are two plants for producing ethylene — the starting material for hundreds of chemicals and plastics. Each plant will have a capacity of over one billion pounds.

Other new facilities mentioned were polyethylene expansion.

Continued on Page 4



A PATENT APPLICATION (another one) was granted Charlie Asmanes, Machine Tool Engineering, recently. Asmanes' development was entitled "Precision Rotary Table." He receives congratulations from Keith Kahl, left, and Division Superintendent M. F. Schwenn, right.

The Bulletin

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



NUCLEAR DIVISION

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Miss Vicky Newport
Mr. Denton Lloyd

NEWPORT - LLOYD

Mr. and Mrs. Archie Newport, Oneida, announce the engagement of their daughter Miss Vicky Newport to Mr. Denton Lloyd, son of Mrs. Mack Lloyd, Oneida, and the late Mr. Lloyd.

The bride-to-be is a graduate of Carson-Newman College where she was secretary of the Psychology Club, vice president of the Student National Education Association, and a member of the Epsilon Alpha Gamma Society. Miss Newport is employed in the Isotopes Division of Oak Ridge National Laboratory in Y-12, and is a member of the National Secretaries Association, and the ORNL Girls' Club.

Mr. Lloyd attended the University of Tennessee and is employed by Newman - Pemberton Truck Lines, Inc., as the Cincinnati Terminal Manager. He is a member of the Cincinnati Traffic Club and the Cincinnati Traffic League.

The wedding is set for Sunday, September 25, at the First Baptist Church, Oneida.

X-Ray Stars Subject Of Physics Seminar

A. H. Wapstra, Summer research participant from the Technological University, Delft, Netherlands, will conduct this week's Physics Division Seminar. His topic will be "X-Ray Stars."

The seminar is set for Friday, August 5, at 3:15 p.m., in the East Auditorium of ORNL's 4500 building.



FOUR INCHERS ARE BACK!
We're referring to necktie widths fashionable 25 years ago. Brooks Brothers, haberdashers for Madison Avenue and the college crowd, put this word out last month.

We can't, in this case, argue too strenuously in favor of the old way, but often the old way is the best. For example, Fred Peitzsch — the AEC Cost Reduction Coordinator — was impressed with the chestnut Herb Pohto tossed into the pot last year . . . the one where \$2,000/year was saved at Tool Engineering by cancelling the habit of hand writing engineering drawing transmittals, then typing on duplimat masters before sending to reproduction. Now the perfectly legible penciled copies go directly to repro . . . no recipient has yet complained because they weren't typed.

We don't think this little ploy has been exploited to anywhere near its full potential. Next time you tell someone to type from a handwritten sheet, think "Are four inch ties really necessary?" — and send the penciled copy instead.

Camera Club Sets Meeting Tuesday

Next Tuesday's Carbide Camera Club will feature S. J. Raffety, vice president, in a treatise of the entire realm of photography.

Results of the "Architecture" competition will be announced. September competition is announced at "Oak Ridge," which should offer many striking and different settings.

The club is looking for an official photographer to take photos at meetings for publicity. The ORNL tour is still in the works for sometime in October. And the big TVA and I Fair in Knoxville is announced from September 9 to the 17th. Entry applications are now available.

That's the Carbide Camera Club, next Tuesday, August 9, at 8 p.m. in Cheyenne Hall.

DAY OF RECKONING

Not until they have children themselves will the young folks understand why parents are so happy to see Autumn come . . . when school opens again.



WESLEY McDANIEL FOSTER, the grandson of Albert Jenks, Dispatching, resides in California with his parents Dr. and Mrs. Bernard B. Foster. MaMaw Jinks recently visited in the sunny climes and brought this photo back for PapPaw's enjoyment.

Bo Glovier's Snake Advice In Oak Ridger

(Editor's Note: With Dog Days upon us, the condensation of Bo Glovier's article on snakes is most timely. The treatise on the slinking creatures appeared a year ago in the Oak Ridger. Thanks to Bo and the Ridger for the following.)

Hot weather is the time of year some folks refer to as "dog days." If you enjoy the outdoors, you should be on the alert for poisonous snakes.

There are a lot of old folk tales about snakes. When the subject of snakes comes up, people like to believe most any kind of a snake tale. Contrary to belief, snakes are not slimy. They are dry, scaly, and cool to the touch. A snake's temperature is very close to the temperature of his surroundings. Snakes do not have external ears or eyelids. However, they can feel vibrations and this is their sense of hearing.

Beware of Cages

Snakes can and do escape from most any kind of cage. Amateurs should not handle snake cages . . . or snakes, for that matter. When an amateur cages a snake he not only endangers himself, but the people who live around him. Even professional men with years of experience are bitten when handling dangerous reptiles.

If you should suffer a snake bite, put a tourniquet on the limb, and be as calm as one can under the circumstances. Get a physician as quickly as possible.

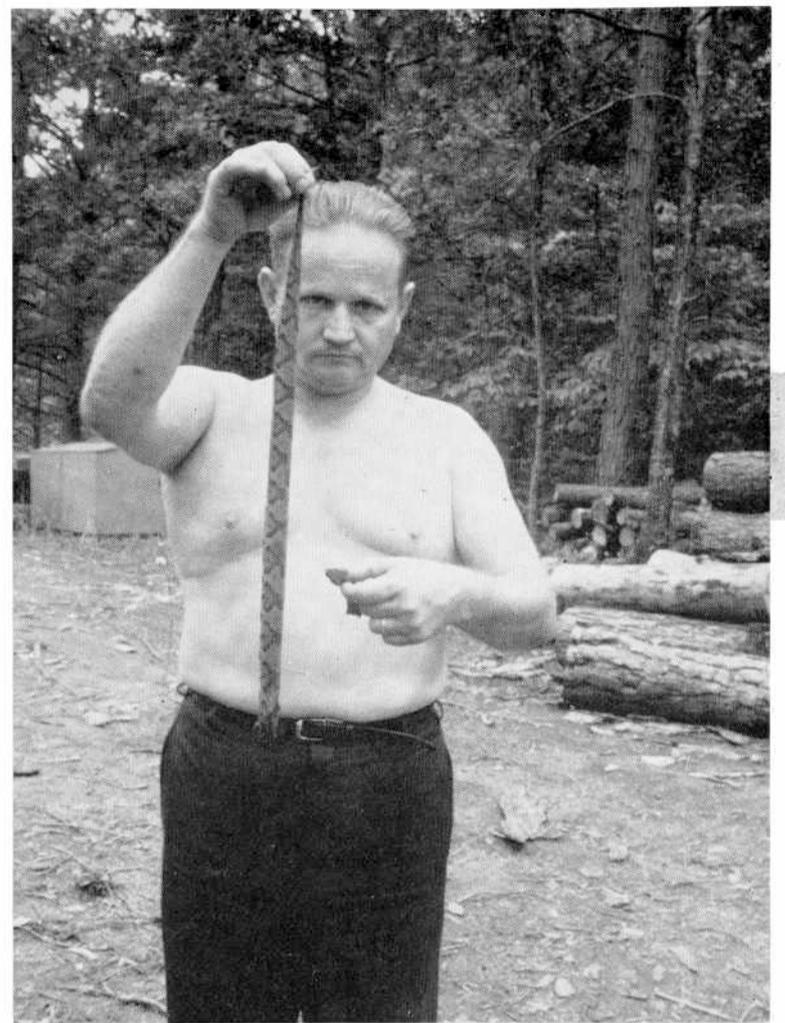
There are three poisonous snakes found in Tennessee. The cottonmouth is found mostly in the western section of the state. (TVA officials deny the existence of the cottonmouth in any of the East Tennessee Lakes.) The cottonmouth is a water snake sometimes referred to as the water moccasin. This snake is probably the meanest and most unpredictable of the three poisonous snakes found here. He can bite under water, or coil and strike from the surface of the water. They have been known to charge a human, striking repeatedly while following the victim. When aroused or angry they will open their mouth showing the white interior. Hence the name "cottonmouth." These snakes grow to approximately four feet in length and have a heavy body.

Mean Cottonmouth

The cottonmouth comes in various colors from light tan to black. The older ones being darker in color. The eyes of the cottonmouth are elongated along with a broad flat head. Non-poisonous water snakes have round eyes. This snake has one outstanding characteristic — he crawls and swims best with the head held at a 45 degree angle.

The copperhead is one of the two pit vipers found in the state and the most common. Therefore, he is the one poisonous snake you are most likely to encounter. The copperhead has a small amount of venom and its bite is seldom fatal to an adult. He lives well in heavily populated areas. The coloring is pinkish tan with darker, hourglass markings and a copper-colored head, hence the name "copperhead." The snake likes to live near water. Stream fishermen encounter him more than the hunter. Since he lives well in populated areas, we should take preventive measures such as removing old lumber piles, weed patches, etc. from our yards.

Second in the pit viper cate-



V. L. PERRY HOLDS the remains of a copperhead he and J. E. Somers killed recently. The tell-tale diamond shapes on the pinkish-brown body, plus the pitted burnt-copper head are sure signs of the venomous reptile. Perry cautions fishermen, especially, when poking around stream and lake banks, to watch where they put their hands.

gory, and certainly not least, is the timber rattler. This snake is very dangerous and delivers a large amount of venom which can be fatal. If bitten by a rattler, get medical help immediately. Venom from a pit viper kills the red blood cells, causing the flesh to rot. Should the victim receive medical attention within a matter of minutes, more than likely a long stay in the hospital follows. (Clarence Johnson, head of the Safety Department, recently killed a good sized rattler near his Gatlinburg summer cottage.)

The young of the pit viper, copperhead and the timber rattler will strike just as quickly as the adult. The young are born fully equipped to inflict venom, being viviparous, as the saying goes, they come that way.

Venomous snakes will strike if a person or dog comes in striking range unprovoked. Children at play are bitten, a dog chasing a rabbit is struck. All this devil needs is the correct range.

Incidentally, there is at least one kit available, containing dry serum, sterile water, hyperdermic syringe and iodine, for approximately ten dollars.

'Radiological Assistance' Film Available At AEC

A film, explaining the Atomic Energy Commission's program for providing assistance in the event of accidents involving radioactive materials is available for loan through the AEC here. Entitled "Radiological Assistance Program" the film is aimed primarily at persons concerned with problems in dealing with radioactive materials such as representatives of state and local governments, the transportation industry, and AEC and state licensees.

The 16mm color film is about 26 minutes long and may be obtained free of charge from the AEC Film Loan Library.



Will join car pool from Crestwood Hills section, Knoxville, to North or Central Portal, straight day. Bob Wesley, plant phone 3-6510, home phone Knoxville 588-6800.

Ride wanted from Powell section to North Portal, straight day. Nancy Dean, plant phone 3-5048.

Ride wanted or will join car pool from Pennsylvania, Outer or West Outer Drive vicinity, to East Portal, straight day. Charles Agee, plant phone 3-5445, home phone Oak Ridge 483-8164.

Ride wanted from 678 West Outer Drive, Oak Ridge, to North Portal, straight day. Etta Jean Smith, plant phone 3-5416, home phone Oak Ridge 483-6446.

Car pool member wanted from Cumberland Estates section or Windsor Park area, Knoxville, to any portal, straight day. G. W. Gresham, plant phone 3-5894, home phone Knoxville 588-6502.

Former Machine Shop Employee Dies July 25

General Machine Shop personnel were saddened to hear of the death of Mr. Joe P. Shuttle, former employee there. Mr. Shuttle died in Bristol, Saturday, July 23. Funeral services were held in Bristol Monday, July 25, and interment followed in the Suson Cemetery, Bristol, Virginia.

Among the survivors is Ronald G. Shuttle, Oak Ridge Gaseous Diffusion Plant, also a former Y-12er in Electrical.

Sincere sympathy is extended the Shuttle family.

A good employee is a safe one.



A BIG LARGEMOUTH fell victim to the wiles of Billy Miller, Chemical Services, and becomes a strong entry in the Annual Fishing Rodeo. Miller snagged the lunger in the Cove Lake waters, using night crawlers for come-on bait. Size and weight, of course, remain a big secret . . . but you can tell it's a dandy!

HossShoe Tossers Move Nearer Top

League - leaders, Harness-Durham, in the Horseshoe League took eight points last week from Wyatt and Lucke.

The Leonard-Gray team moved up taking nine via forfeit from Gladson-Gallman. Other matches saw Zupan-Kendig (Charlie Nie-meier subbing for Zupan) take seven points from the Hutto-Tillery pair. Barger-Luckett captured six at the expense of Helms-Wagner.

League standings follow:

Team	W	L
Harness-Durham	37	8
Barger-Luckett	34	11
Leonard-Gray	34	11
Helms-Wagner	32	22
Zupan-Kendig	23	13
Wyatt-Lucke	19	26
Raper-Long	18	27
Hutto-Tillery	5	40
Gladson-Gallman	5	49

Mona Lisa Would Smile Bigger These Days

The mysterious smile on the face of Mona Lisa has intrigued millions of people around the world. "She's pregnant," declares the obstetrician. "She has a secret lover," says the romantic.

The latest to join the hue and cry over La Gioconda's enigmatic expression is the dentist. "She's ashamed to show her teeth!" Nowadays, protecting the old dental ware is no problem. Regular check-ups, sensible eating habits and easy-to-follow methods of mouth and teeth care give modern man no excuse for a tight-lipped smile.

We can show our teeth proudly now . . . with just a little care.

SPACE-AGE PEN

A new pen on the market will write in any position — even upside down. Designed specifically for use in outer space, the pen overcomes the pull of gravity on its ink supply. It will write on the ceiling, too, if the need ever arises.

Recreation



calendar
Sunday, August 7
SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsman's Association.

Monday, August 8
SOFTBALL LEAGUE, beginning 6 p.m. Pinewood Park. Sluggers vs. Peanuts; Braves vs. Clowns; Fireguards vs. Bio.

TENNIS LEAGUE: To be arranged by individuals by schedule.

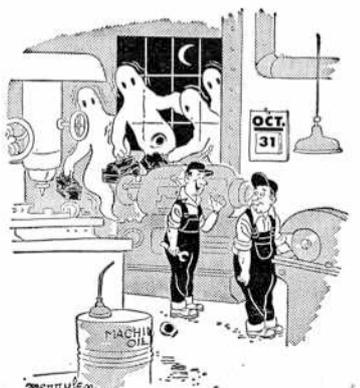
Tuesday, August 9
SOFTBALL LEAGUE, beginning 6 p.m. Pinewood Park. Eagles vs. Bat Boys; Ecobums vs. Big Shops; Health Physics vs. Naughts.

PHYSICAL FITNESS: 7:30 p.m. Oak Ridge High School Gymnasium.

CARBIDE CAMERA CLUB: 8 p.m., Cheyenne Hall, September Competition, "Oak Ridge."

Thursday, August 11
SOFTBALL LEAGUE, beginning 6 p.m. Pinewood Park. Red Devils vs. Isotopes-Reactor; K-25 Sports vs. Falcons; K-25 Mets vs. X-10 Mets.

HORSESHOE LEAGUE: 7 p.m. City Courts, Jackson Square.



"Time to knock off—here comes the graveyard shift."

Softball Action Gears Up Tighter

The Softball League got down to serious business again last week, with three teams still in the running for top spot.

Opening Monday's play the Red Devils massacred the Sluggers 22 to 7. Jim Chesney poled two long homeruns, Tom Grizzard hit one . . . as the Devils collected 23 hits to the Sluggers' seven.

The K-25 Sports cleaned the Y-12 Eagles in Monday's second game, 12 to 6. Howard Fox took the only homer of the game. The Eagles rallied in the seventh but the effort was not in time.

Moore Homers Thrice

The Isotopes-Reactor team kept their pace, still ahead of the pack by mere fractions, by eliminating the Ecobums 16 to 6. Gene Moore knocked three long homeruns; Don Tidwell and Jerold Alton each clouted one.

Tuesday's battles began as the Health Physics clan cleaned the Y-12 Falcons 13 to 4. Cary Johnson, three for three, cleared the outfield with a long homer.

The K-25 Mets met the Peanuts in game number two Tuesday, demolishing them 15 to 6. Steve Cates, Wayne Langenberg and Bill Schellinger were big heroes with homeruns.

Braves Eke By

Y-12's Braves edged by their fellow plantsmen the Bat Boys in Tuesday's last game. Winning in the final inning, the Braves starred Bobbie Hopkins, up four times, with three doubles! Jim Turner homered for the losing Boys.

Thursday's opener saw the Bio team trample the Y-12 Big Shops 15 to 2 . . . Ralph Wormsley, Homer Hupft, Jerry Cosgrove, Larry Gipson, Ed Baliff and John Halfey all come in with homeruns.

The Naughts caught the Y-12 Fireguards napping in game number two, 25 to 8. Marv Payne and John Meador poled homeruns for the winners; J. D. Kelley for the losers.

X-10 METS FALL

The Clowns clouted the X-10 Mets in final action of the week 22 to 14. Practically everyone on the Clowns team trailed home with a four-bagger . . . Bob Min-turn, L. C. Manley, Warren Sisson, Steve Scott and Peter Dittner. Bob Stone collected the only four-bagger on record for the losers.

League standings follow:

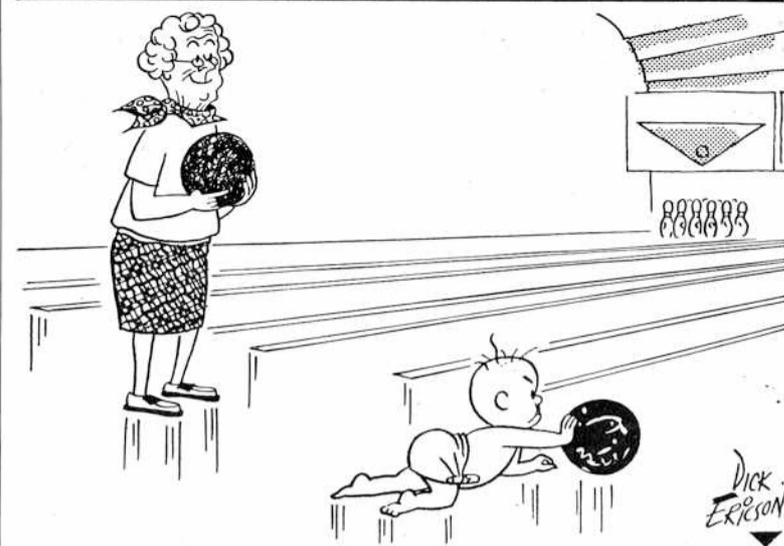
Team	W	L
Isotopes-Reactor, ORNL	11	1
Braves, Y-12	10	1
Red Devils, ORNL	9	1
K-25 Mets	8	3
Health Physics, ORNL	8	3
Bat Boys, Y-12	8	4
Eagles, Y-12	7	5
K-25 Sports	6	4
Bio, ORNL	6	5
Clowns, ORNL	5	6
X-10 Mets	5	7
Naughts, ORNL	4	7
Ecobums, ORNL	4	7
Sluggers, ORNL	4	8
Falcons, Y-12	4	8
Peanuts, ORNL	2	10
Big Shops, Y-12	1	11
Fireguards, Y-12	0	11

Are You Helping To Bury Democracy?

Are you helping carve an epitaph for democracy? By doing nothing, you may be doing just that.

There are exciting races coming up in August's elections and primaries . . . From Nashville to the United States Senate . . . down to the precinct, too, where county court offices are at stake. Big issues, too.

Get active in the candidate of your choice's behalf. Don't let it be said that you helped bury democracy by your inactivity!



'Use your own approach, Sister. I'll use mine!'

Classic, C Bowling Leagues Ready To Hit Alleys; Others Are Paged!

With summer almost half gone (perish the thought!) "the time has come to talk of many things" . . . namely bowling.

Less than a month remains before the men and women of Y-12 will hit the alleys in force.

The Classic League, which bowls on Thursdays at 5:45 p.m., is all organized and will be ready to roll on or about September 8. The 16-team league already has officers elected, teams set, and await the starting whistle.

Likewise with the C League, which takes to the alleys on Mondays, 5:45 p.m. They get underway September 12*.

The Bush Bowling League, rolling at 8 p.m. Monday, needs both men and teams. Bush keggers follow the C League on Monday nights . . . so if Monday is your night to bowl, give Recreation a ring at 3-7109. Tell them your team name . . . or your

name, if you want on a team.

The Mixed League will roll on Wednesday, at 8 p.m. Both men and women are needed for the two - men, two - women teams. (Carbide wives or husbands are eligible to bowl in this league with their employee spouse.)

Last season an effort was made to organize a Mixed League at the Tri-Cities Lanes at Midway (Harriman). Lack of bowlers, however, hampered these efforts. Those interested in rolling in the Roane County alley should get in touch with Recreation and/or call Louise Warmly, extension 3-7434.

To bowl . . . or not to bowl . . . that is the question . . . And now is the time to decide. It's good exercise, and fun, too. There's lively competition in any of the above leagues. If you don't believe it, just give one of them a try!

*If the creek doesn't rise.

Hi Power Rifles Fire Final Match

The final All-Carbide High Power Rifle League match was fired Saturday, July 16. The firing took place at the Oak Ridge Sportsmen's Association Range. A score of 244-23v by George Reimann, ORNL, was high for the July match. In a close second was Arvin Quist, ORNL, with 244-20v. Third place honors went to Jack Huff, Y-12, firing a 243-17v.

High scorer in the 200-yard standing position was Quist, 49-2v. Reimann was best in the 200-yard sitting rapid fire stage with a score of 50-5v. W. H. Kelley, ORNL, and Reimann tied for top honors at 300 yards with scores of 49-4v. At 600 yards, Huff led the scoring with 100-13v.

Other scores:

Firer	Score
A. A. Abbatiello, ORNL	237-13v
E. A. Scott, Y-12	236-11v
W. H. Kelley, ORNL	231-19v
J. E. Mrochek, ORNL	230-17v
J. M. Miller, ORNL	228-17v
B. Searles, Y-12	227-13v
C. G. Brewster, Y-12	226-9v
V. C. Vaughen, ORNL	224-7v
H. Bertini, ORNL	208-6v
W. H. Davy, Jr., ORNL	202-8v
J. T. Bell, ORNL	200-3v
S. M. DeCamp, ORNL	197-5v
J. M. Dunn, Y-12	187-2v

\$3 DOWN—MORE LATER

A minister announced from the pulpit that he knew for a fact that some man in the congregation was carrying on with another man's wife. He further stated he would give the name the next week unless the culprit put \$5 in the collection plate.

Several five dollar bills appeared in the collection. Three one-dollar bills had a note attached: "This is all I got. Will get the other two dollars to you by Wednesday."

Sam Campbell Is Still Tennis Top

Sam Campbell stretched his perfect record in the Tennis League last week. He took two from Jim Froula 6-4, 6-2 . . . and two from Max Scott by forfeit. Impending parenthood has forced Scott to forfeit the remaining portion of his schedule . . . giving points to Bill Hackett, Don Legacy, Froula and Jim White.

Any Tennis player wishing to enter the second half may call Recreation, extension 3-7109, to replace Scott.

League standings follow:

Player	W	L
Sam Campbell	6	0
Bill Hackett	4	1
Don Legacy	3	2
Ed DeGrande	3	3
Max Scott	2	5
James Froula	2	5
James White	1	2
Campbell King	1	4

Recreation Area Will Be Closed Next Week

Notice all Carbide Recreation Area fans. The entire park will be closed next week . . . August 8, 9, 10, 11 and 12. The Atomic Energy Commission plans to black-top the road to the park.

Heavy equipment, men working, and fresh tar prohibit the use of the road. After next week, however, recreation-minded employees will be able to enjoy a fine paved road, free of dust, right to the very Park's gate.

No weekend prohibition is issued . . . only the days of Monday, Tuesday, Wednesday, Thursday and Friday, next week, August 8, 9, 10, 11 and 12.

OK?
OK.

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NUCLEAR DIVISION

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August dawns, and with it comes the long dog days of late summer. More Y-12ers cross important landmarks with Union Carbide Corporation. Congratulations.

20 YEARS

Nolden Moore, Janitors Department, August 5.

Vernon W. Jones, Buildings, Grounds and Maintenance Shops, August 9.

15 YEARS

James C. Owens, Chemical Services, August 3.

Paschal S. Greene, Tool Grinding Department, August 6.

Max H. Strickland, Buildings, Grounds and Maintenance Shops, August 6.

Carl F. Keylon, Buildings, Grounds and Maintenance Shops, August 6.

Herbert E. Robinson, Process Maintenance, August 6.

Carl C. Bowman, Research Services, August 7.

Leroy Hobert Jr., Beta Two Forming, August 7.

Inman McPeters, ORNL Chemical Services, August 7.

Thelmer C. Stephens, Arc Melting, August 8.

Henry D. Goins, Buildings, Grounds and Maintenance Shops, August 9.

10 YEARS

Fred M. Jones, Tool Grinding, August 4.

THE BALD FACTS

We aging men had it made. Then along came the Beatles and made long hair fashionable again!

**Wayne Nelson
 MA At Memphis**



Wayne E. Nelson

Another happy Y-12 parent is J. C. Nelson, Radiation Safety Department. Nelson just came up with the pleasant news that his son Wayne E. Nelson completed work on his MA degree at Memphis State University.

After graduation Wayne accepted a position with Ford Motor Company, Dearborn, Michigan. He was appointed staff officer in the Industrial Relations Department, and was also appointed member of a teaching staff at the Henry Ford Foundation College, in Dearborn. Here he will be able to work on his PhD at the University of Detroit as time allows.

The Nelsons live at 310 Woodhaven Lane, Clinton.

Wayne received his BS degree from Tennessee Technological University, and has his armed service tour behind him.

Pretty good duty, isn't it?



RON WIDBY, ALL-AROUND SPORTSMAN, is seen with some of his equipment . . . baseball, football, golf and basketball. Widby, the son of George Widby, has been named captain for the Big Orange for the coming season's basketball action.

Ron Widby Qualifies In Several Sports Arenas As Master-Athlete

We've heard of triple-threats in the sports world . . . but Ron Widby's the first quadruple-threat we've ever heard of!

Recently teammates named Ronnie the captain of the University of Tennessee basketball squad for the 1966-67 season. At UT, Ron was named the most valuable player on the freshman squad. During his sophomore year he was named Southeastern Conference Sophomore of the Year . . . and named on the all-SEC second team. In his junior year, last year, Ron came up to the all-SEC first team.

The young sportsman started playing at the age of nine . . . and has been at it since, according to his dad.

But the hardwood floors of the Big Orange basketball floors are not the only places Ron is seen these days. He is an excellent golfer, a kicking specialist with the Volunteer football squad, and a regular on the UT baseball team.

State honors came to Ron easily in high school . . . where he played with Fulton High School. During his junior and senior years, he was named to the all-regional, all-tournament and all-state teams. His first award in basketball came back in 1958.

Majoring in education, the six-foot, four-inch athlete tips the scales around 200 even pounds.

This summer Widby is vacationing from school to do construction work on the campus.

The Widby's live at 1120 Fairfax, Knoxville. Father George W. Widby is in Process Maintenance, working in the Biology area.

The Widby's have another child . . . an older daughter, Mrs. Barbara Cummings, who also lives in Knoxville.

Duke Power Announces Nuclear Generator Plans

The Duke Power Company, which serves the Piedmont section of North and South Carolina, recently announced plans to go to nuclear-fuel generating for two units to be completed in 1971 and 1972.

Company officials stated, "Duke is not 'going nuclear' just to be fashionable." "We are choosing nuclear heat for our 1971-72 units for some very simple reasons," said President W. B. McGuire. "Because it's reliable, practical, safe and economical."

QUALITY CONTROL

Roman tradesmen were often known for their products. For instance, bakers were required to put their names in each loaf of bread produced!

Can the classified talk!



WINNERS IN THE LATEST Family Safety Magazine contest are seen above receiving their awards. From left, W. K. Dagenhart, Isotopes Division, garnered first prize; W. W. Ivey, Buildings, Grounds and Maintenance Shops; second prize winner accepts his electric blanket (in this weather!) from Ernest L. Bentley, Safety Department. Dagenhart's first prize was a bridge table and chairs.

Sales, Earnings For Union Carbide Break Records At Year's Mid-Term

Continued from Page 1
 sions at two locations — Whiting, Indiana, and Seadrift, Texas. Facilities at Institute, West Virginia, for producing a chemical that is the major ingredient in urethane foams, a 150 million-pound-per-year plant at Bound Brook, New Jersey, to make phenol for molded plastics, surface coatings and adhesives, units at Texas City, Texas, to produce special vinyl for such applications as paints, wire and cable, and flooring, and facilities at Taft, Louisiana, to produce peracetic acid and its derivatives used in making such varied products as textile fibers, printing inks and electronic goods.

Other Facilities Expanding To Meet Increasing Demands

To satisfy the steel, chemical, electronics and space industries steadily increasing demand for oxygen and other industrial gases, Union Carbide has been adding substantial new capacity to many of its large air-separation plants, and several expansions will soon be coming on-stream. Among them is an addition to the large complex at Deer Park, Texas, which serves over a dozen chemical and steelmaking companies in the Greater Houston Area. Another major project to be completed this year is an extensive expansion of the corporation's plant at Columbia, Tennessee, which produces graphite electrodes used in electric arc furnaces for making steel.

Internationally, polyethylene capacity will be increased significantly during the second half of this year at plants in Australia, Brazil, Canada, India, Italy, Scotland and Sweden. This will help meet the requirements of expanding world-wide markets and relieve shortages of this important plastic. A major new plant to produce ethylene and related by-products will be on-stream in India later this year, and a new plant to produce six million pounds of nylon-6 per year is just coming on-stream in Canada. The demand for batteries is being met by current expansions in Argentina, Brazil, and Costa Rica.

Be Wary Of Red Questions, Y'all

U.S. scientists might become unwitting pawns in future Soviet propaganda games, the State Department fears. According to a warning in the Chemical and Engineering News, a questionnaire is being widely circulated among professional circles. The circular, from a group called the Scientific Commission of Soviet Peace Committee, poses such questions as "Do you think scientists can influence public opinion on the need and possibility of halting the proliferation of nuclear weapons and preventing themounuclear war? How can scientists as a group go about doing this? And how can the development of science in your field benefit from a curtailment of military expenditures?" The State Department — fearing that the questionnaire is designed to

elicit responses which can be "quoted in or out of context to support Soviet propaganda themes and discredit U.S. policy" — has warned Federal agencies to alert their scientists to this possibility.

As soon as a man marries that one gal in a million, he starts wondering what the other 999,999 might have been like.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 51 Days Or 1,356,000 Man-Hours Through July 24 Without A Disabling Injury
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