



Y-12 BULLETIN

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

VOL. 17 — NO. 37

OAK RIDGE, TENNESSEE

Wednesday, September 11, 1963

Complete Text Of Nuclear Test Ban Treaty Is Reprinted

There has been a lot of editorial comment on the nuclear test ban treaty. Just exactly what does it entail? Reprinted below is the complete text of the treaty.

PREAMBLE

The governments of the United States of America, the United Kingdom of Great Britain and Northern Ireland, and the Union of Soviet Socialist Republics, hereinafter referred to as the "original parties,"

Proclaiming as their principal aim the speediest possible achievement of an agreement on general and complete disarmament under strict international control in accordance with the objectives of the United Nations, which would put an end to the armaments race and eliminate the incentive to the production and testing of all kinds of weapons.

Seeking to achieve the discontinuance of all test explosions of nuclear weapons for all time, determined to continue negotiations to this end, and desiring to put an end to the contamination of man's environment by radioactive substances,

Have agreed as follows:

ARTICLE I

1. Each of the parties to this treaty undertakes to prohibit, to prevent, and not to carry out any nuclear weapon test explosion, or any other nuclear explosion at any place under its jurisdiction or control:

A. In the atmosphere, beyond its limits, including outer space, or underwater, including territorial waters or high seas; or

B. In any other environment if such explosion causes radioactive debris to be present outside the territorial limits of the state under whose jurisdiction or control such explosion is conducted. It is understood in this connection that the provisions of this subparagraph are without prejudice to the conclusion of a treaty resulting in the permanent banning of all nuclear test explosions, including all such explosions underground, the conclusions of which, as the parties have stated in the preamble to this treaty, they seek to achieve.

2. Each of the parties to this Treaty undertakes furthermore to refrain from causing, encouraging, or in any way participating in, the carrying out of any nuclear weapon test explosion, or any other nuclear explosion, anywhere which would take place in any of the environments described, or have the effect referred to in Paragraph 1 of this article.

ARTICLE II

1. Any party may propose amendments to this Treaty. The text of any proposed amendment shall be submitted to the depositary governments which shall circulate it to all parties to this Treaty. Thereafter, if requested to do so by one-third or more of the parties, the depositary governments shall convene a conference, to which they shall invite all the parties, to consider such amendment.

2. Any amendment to this Treaty must be approved by a majority of the votes of all the parties to this Treaty, including the votes of all of the original parties. The amendment shall enter into force for all parties upon the deposit of instruments of ratification by a majority of all the parties, including the instruments of ratification of all of the original parties.

ARTICLE III

1. This Treaty shall be open to all states for signatures. Any state which does not sign this Treaty before its entry into force in accordance with Paragraph 3 of this article may accede to it at any time.

2. This Treaty shall be subject to ratification by signatory States. Instruments of ratification and instruments of accession shall be deposited with the governments of the original Parties — the United States of America, the United Kingdom of Great Britain and Northern Ireland, and the Union of Soviet Socialist Republics — which are hereby designated the depositary governments.

3. This Treaty shall enter into force after its ratification by all the original Parties and the deposit of their instruments of ratification.

4. For States whose instruments of ratification or accession are deposited subsequent to the entry into force of this Treaty, it shall enter into force on the date of the deposit of their instruments of ratification or accession.

5. The depositary governments shall promptly inform all signatory and acceding states of the date of each signature, the date of deposit of each instrument of ratification of and accession to this Treaty, the date of its entry into force, and the date of receipt of any requests for conferences or other notices.

6. This Treaty shall be registered by the depositary governments pursuant to Article 102 of the Charter of the United Nations.

ARTICLE IV

This Treaty shall be of unlimited duration.

Each Party shall in exercising its national sovereignty have the right to withdraw from the treaty if it decides that extraordinary

Continued on Page 4

UT Sets Fall List Of Courses In Ridge

Registration Set For September 24

The University of Tennessee's Evening College has announced its fall schedule and list of courses. (Last week's curriculum was for the Graduate School). These courses are on the undergraduate level. Most of them carry college credit, however.

Registration in the Oak Ridge classes is set for Tuesday, Friday and Saturday, September 24, 27, and 28. The Evening College's office is located in the Oak Ridge High School Building.

Charges are nominal, and many of the courses are reimbursable under the Education Assistance Program.

Courses offered in Oak Ridge are:

Accounting 221, Introduction; Art Education 191, Introduction; Business Law 411, Contracts; Chemistry 111, General; Chemistry 341, Physical; Economics 211, Principles; Education 335, Teaching Arithmetic in Elementary Schools; Engineering 111, Basic Engineering; Engineering Drawing (see Graphics); English 111, Composition; English 211, English Literature; Graphic 111, Engineering Graphics; Geography 171, Elements; Industrial Engineering 321, Motion and Time Study; Industrial Management 446, Personnel Administration; Library Service 352, Books and Related Materials; Math 111, General; Math 131, Introduction to Analysis; Math 221, Higher Analysis; Math 214, Digital Computer Programming; Math 301, Basic Concepts of Elementary Mathematics; Office Administration 233-441, Shorthand; Office Administration 443, Secretarial Problems; Philosophy 221, Elementary Logic; Physics 261, General; Psychology 211, General; Psychology 212, General; Rapid Reading; Sociology 211, General; Sociology 212, General; Speech Pathology 439, Cleft Palate; Speech 231, Basic Public Speaking; Speech 232 and 233, Basic Public Speaking; Statistics 221, Introduction; and Transportation 213, Principles of Traffic.

Classes begin the week of September 30. Additional information may be obtained from the Evening College office at Oak Ridge, telephone 482-2851. B. R. Pearson, plant extension 7382 will answer questions relating to Carbide assistance.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 131 Days Or 4,367,000 Man-Hours (Unofficial Estimate) Without A Disabling Injury Through Sept. 8 Phone 7755 For Daily Report On Accident-Free Hours

Mechanical Operation's Stoner Heads Central Fund Campaign

"It's about time the Community Chest passed the hat again," was once the groan heard throughout the plant about this time every year. But no more, no more. Central Fund Drives among the Nuclear Division plants here are beginning to get underway organization-wise. These drives, through a cooperative payroll deduction plan, are almost over before they get started. Generous Y-12ers have consistently broken their own records year after year . . . in timing and in contributions.



Henry H. Stoner

This year's chairman for the Y-12 plant will be Henry H. Stoner, superintendent of the Mechanical Operations Division. (Perry Pryor, assistant manager of the General Finance and Materials Division is acting as the three-plant coordinator for the Central Fund Drive.)

Stoner, who has been superintendent of the Mechanical Operations Division since last October, will celebrate his 20 years with Union Carbide next year . . . with a hire-in date of May 26, 1944. He originally came to the Oak Ridge Gaseous Diffusion Plant, transferred to Y-12 April 1, 1958.

Penn State Graduate

He holds a BS degree in chemical engineering from Pennsylvania State College, State College, Pennsylvania, and has done graduate work at the University of Tennessee.

August 22, 1942 was another important date in Stoner's life. It was then he married Frances Pouns. The Stoners have four daughters, Lynn and Janet, who attend Oak Ridge High School; Shirley, in Jefferson Junior High; and Karen, who attends the Elm Grove Elementary

Continued on Page 4

ORNL's Eichler Leads Physics Seminar Friday

E. Eichler, Chemistry Division, will conduct this week's Physics Division Seminar at the Oak Ridge National Laboratory. His subject will be: "Study of Delayed Neutron Emission Following the Decay of N¹⁷."

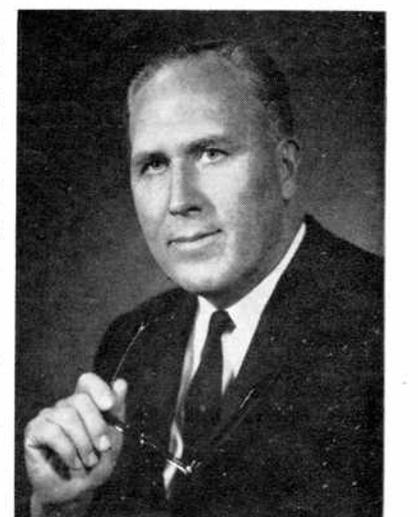
The seminar is set for Friday, September 13, at 3:15 p.m. in the East Auditorium, 4500 Building.

C. E. Larson To Address Secretaries' Group Saturday

A luncheon honoring the newly Certified Professional Secretaries in Oak Ridge will be held Saturday at 1 p.m. Featured speaker will be Dr. C. E. Larson, vice president of the Nuclear Division of Union Carbide Corporation. He will speak on "The Secretary and Corporation Profits." CPS certificates will go to Louise H. Dreher, US AEC; Nelline P. Ross, ORNL; and Rena M. Swany, ORINS.

The September 14 luncheon is one of the highlights of the Seminar for Career Secretaries set by the Oak Ridge Chapter of the National Secretaries Association. The seminar will be held in the Troubadour Room of the Alexander Hotel, Oak Ridge. Registration begins at 8:30 a.m.

Professor G. A. Wagoner, Professor Elise Davis, both of the Office Administration Department of the University of Tennessee will preside over morning reports. Wagoner will discuss "Duties of a Secretarial Executive," and Davis will speak on "The Secretary — A Woman of Letters." Dr. Andrew S. Wachtel of the Oak Ridge Mental Health Center will speak on "Personal Adjustment Is An Inside Job," or "how to keep the psychiatrist away." Betty Graham, fashion director of Miller's will speak on



C. E. Larson

"The Secretarial Look — Face, Figure and Fashion."

Professor Wagoner will meet with interested secretaries to discuss preparation for the CPS examination. UT's Evening School will schedule special courses beginning September 23 if a sufficient number of students enroll.

Registration forms for the seminar are available from Mable Tyer, in Y-12, at extension 7121. Registration fee for the seminar (which includes the luncheon) is \$3.50.

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 149
Telephone 7109

Y-12er Takes Degree In UT's Engineering

Overcomes 9 Years
As Twinight Student



Lloyd G. Spence

Another hard-earned degree is announced as the University of Tennessee presented Lloyd G. Spence Sr. his BS degree in Electrical Engineering, August 21. Nearly nine years of regular work and midnight oil . . . plus a family which includes five children . . . were no deterrents to Spence in obtaining his sheepskin.

A veteran of the Merchant Marines (serving from 1943 until 1949) Spence has been here since October 5, 1953. Unfortunately, veterans of the Merchant Marines never fell under the G.I. Bill of Rights.

Spence is in Electrical Engineering here in Y-12 . . . and now has a degree to match the department title, thanks to his hard labor and the Union Carbide Educational Assistance Program.

The Spences live at 104 Newberry Circle, Oak Ridge. Mrs. Spence is the former Betty Hanna. They have five fine children, daughters: Pamela Sue, Patricia Lee and Penny Lynn, and two sons: Paul Clifford and Lloyd G. Jr.

Spence is a native of Anthony, West Virginia. Congratulations, mountaineer!

Riddle Stumps Alien Trying For Citizenship

This story is told by a Y-12er as a true one. An ancient immigrant had for years tried to pass naturalization tests at the Post Office in Knoxville.

The Postmaster there finally decided to be lenient and asked him one question: "What flies at the Post Office every day?" the PM asked, alluding to Old Glory, of course.

The old leathery face beamed as the answer came out in broken English:

"Pigeons!"



A couple of the Chemicals Division plants of Union Carbide are in a feud over whether West Virginia girls are prettier than those of Texas. A New York fashion expert refused to get embroiled. So do we! Everyone knows that Tennessee's corn-fed beauties are prettier than either, anyway.

There's a pretty good array of news this week, mainly in

DEVELOPMENT

Metallurgical Development welcomes in **Bernard D. McElroy** as the latest to receive the red carpet treatment.

Sympathy is extended to the **Art Neeley** family. Mrs. Neeley's mother, Mrs. W. G. Hollrock, died recently in Hartsdale, New York.

Best wishes are wafted over **Ft. Sanders Hospital**-way in Knoxville where **S. G. Campbell** lies ill.

There are at least two times to keep your mouth shut . . . while you're swimming and when you are angry.

MECHANICAL OPERATIONS

From the Beta Four Assembly area of Assembly Operations comes word that **C. A. Boone** has just returned from a week's vacation spent in the Cherokee National Forest with his family . . . **R. Robbins** spent his vacation at home taking it easy and enjoying his daughter and son-in-law who just returned from an extended "vacation" with the Armed Forces in Germany.

H. L. Smith visited his son in Topeka, Kansas on his vacation . . . **C. R. Elliott** visited Washington, D. C., and then made an extended tour of New York state.

Production Machining grinds out news that **D. T. Cook** was on vacation last week getting his son enrolled in school at TPI, Cookeville. He did a little fishing on the side, too. (It doesn't say here on the side of what!)

M. Wing places **J. W. Gossage** working hard on his vacation, fishing all week on Norris Lake . . . **B. H. Samuel** is taking the week to rejoice with his brother Bill, who is in from the Air Force, and they will probably open up a keg of nails.



Steven Lynn Williams

This alert youngster has got relatives scattered all over the place (Y-12, that is). He is **Steven Lynn Williams**, son of **Lynn D.** (of M-Wing) and **Sandra Williams**, who live at 113 Sheridan Circle, Oak Ridge. Grand-pop **Fred D. Williams** works in Alpha One's machine shop . . . and Uncle **Jerry D. Williams** works in Mechanical Development.

Added to the sick list is **M. J. Sharp**, 2323 South Haven Road, Knoxville. Best to him, naturally. **E. Wing** elaborates on **C. W.**

Watson on vacation spending some extra time around the old Oak Ridge Fix-it shop and as a side trip on the week-end is going to Maggie's Valley, way over in North Carolina. (And they say the Tweetsie Railway is for kids!) . . . **B. J. Banks** had his vacation scheduled to do some deer hunting. He is taking it a little early for his Dear and to paint the house.

The 9202 Shop folks miss **Cliff Herrell** during his recent illness . . . and best wishes for a complete recovery go to him.

There's only one thing more expensive than an education these days . . . that's ignorance!

ENGINEERING



Danny Stinnett

It's no wonder **Dixie** and **Don Stinnett** are grinning all over the place. Here's a pix of their addition who arrived July 29 in Oak Ridge. The Stinnetts live at 111 Robin Lane, Oak Ridge. Danny looks more like his Tool Engineering dad than he does his mother, who was formerly in Radiation Safety.

Tool Engineering tells that **Burl Chambers** and his family enjoyed camping out in the Cades Cove area . . . **Paul Boyer** and his folks are really enjoying their new boat.

The economy of the USSR is in such straits that about the only reward the cosmonaut gets is a big wet kiss from **Khrushchev**.

FINANCE AND MATERIALS

The Mail Room reports **Oral Hartman** on vacation this week around home.

Microreproduction and Engineering Services puts out the red carpet, welcoming in **Lucille Spence** and "**Buck**" **Davis** . . . at the same time bidding good-bye to **Wayne Silver** . . . **Pat Hartman** spent a glorious week in Miami Beach, Florida, to get a tan to go with her raven black hair!

A small group of office personnel gathered for swimming, boating, skiing and good food at **Georgia Rader's** home on Cherokee Lake last week-end. AGTW HBA . . . which is the modern version of that old saying . . . A Good Time Was Had By All!

Everyone in the Office Services Department bade a sad farewell to **J. B. Sykes** recently . . . then cleared the tears long enough to

smilingly welcome **J. H. Rohland** into the department.

A vacuum cleaner type person purrs all the time, taking in the dirt.

MAINTENANCE



Susan Elizabeth Cordell

This fair little miss was born August 20, at East Tennessee Baptist Hospital . . . weighing seven pounds, six and one-half ounces. She is the daughter of Mr. and Mrs. Wayne Cordell . . . the grand-daughter and the apple-of-his-eye of **R. L. Oswald**, Research Services.

Man who proposes on his knees may spend the next 10 years trying to get back on his feet.

TECHNICAL

Tabulation Services' **Jerry Houser** has earned a new sobriquet . . . "Crisco" . . . but you'll have to check with him or his spouse **Carol** just to see exactly what it means.

INDUSTRIAL RELATIONS

The Fire and Guard Departments deliver news that **O. D. Cloyd** and **A. J. Jeffers** are vacationing in parts unbeknownst to anyone . . . **Goebel Hoskins** is visiting relatives all over . . . Chicago, Illinois, Detroit, Michigan and Cumberland, Kentucky.

A considerate husband we know oils the lawn-mower every Saturday for his wife, before he takes off fishing!

SHIFT SUPERINTENDENTS AND UTILITIES

Vacationers include **C. A. Cox** visiting relatives in Georgia . . . **L. R. Bailey** visiting relatives in Florida . . . **J. H. Thomas** sight-seeing in Florida at Daytona, Silver Springs and Marineland.

Long week-enders on D Shift kept **C. E. Welch** fishing on Norris Lake . . . **E. R. Bailey** with his new portable cool processing equipment . . . **C. D. Langley** worked at his saw mill, and visited his new grandson . . . **R. G. Hurst** and family enjoyed a train ride to Chattanooga . . . **P. L. Beeler** visited friends in Kingsport.

CHEMICAL OPERATIONS



Tammy Renee Johnson

Product Processing folks all wanted a peek at **Corene Johnson's** little girl . . . here it is (Corene is Mrs. Haig Johnson). Tammy arrived August 24 at the Oak Ridge Hospital, weighing seven pounds, nine ounces. Her doctor said she was a blonde and eats and sleeps all the time.

Another holiday week-end has past and it's happily reported that most folks are back on the job. With highway departments and other safety-minded folks urging everybody to stay at home, some were very daring. Among those are included **Katie Goad** who took a flying trip to the big city of New York to visit her daughter . . . While **Mable Butcher** and husband motored to Lexington, visiting friends.

King, North Carolina and Martinsville, Virginia were the stop-offs for **Dennie** and **Connie Roberts**, who visited friends and relatives there . . . **Bill Wright** and family traveled to Mt. Airy, North Carolina . . . **Pat Hair** wasn't quite so daring . . . spent her holiday near home fishing.

Eleanor and **Kirby Duke** are enjoying the capers of their grandchildren (twins) while the parents are away on vacation . . . **Bessie Phillips** had as week-end guests her daughter and son-in-law, **Shirlene** and **Dee Hogan** . . . also new granddaughter **Marcey Lynn**.

Building a new home last week was **N. A. O'Neil** . . . **Dell** and **P. C. Goins** are enjoying this week visiting relatives in Greenville and Chattanooga . . . **Irene Ridings** is well again and it's happily told in Chemical. Sorry to report **Connie O'Neil** on the sick list, however.

Sammy West vacationed at home, entertaining her daughter and grand-children . . . **Grace Boyd** is back after spending a week enjoying her family in Briceville and Chattanooga . . . **Woody** and **Dorothy Wigginton** have headed for New Orleans by way of Mississippi to check on the governor. They will travel the Natchez Trace Trail. Here's hoping they keep clear of Mississippi snakes.

Returned from vacations are **G. W. Johnson**, **Johnnie Howard** and **Jeanette McCown** . . . **Carl Poland** is on a two-weeks relaxation trip but where is not known . . . **Vernon Huddleston** vacationed at the same place last week.

Building 9206 folks are really interested in knowing whether **Robert Cooter** is really from Texas? Robert is a big fisherman. When discussing catches everything is a whopper. He raised a garden this summer . . . everything it it was a whopper!

Since the beginning of time and the creation of Adam and Eve, man has been active in different types of sports. The one most unheard of is that of **Lon Dunsmore** and **Jack Lefevers** . . . it's Rat Hunting! Where they go, no one knows, but they catch them as large as squirrels. To join in the fun, just contact **Lon** or **John**.

It was rather quiet on the **J. O. Stephens** farm Labor Day . . . when up marched an army of hunters to make a rush on the Philadelphia dove. The army consisted of **C. C. Williams**, **Luther Thurman**, **Paul Pennington**, **Red McNabb**, **Fes Lowry**, **Tom** and **Bill Ebert**. Nobody seemed to know the outcome . . . even the doves are silent about it all!

Y'uns come!

HOT, HOT WATERS

The waters in the national park at Hot Springs, Arkansas, are radioactive. They contain a gaseous radium quality at 135 degrees Fahrenheit.

Guard your conversation.

Classic Bowlers Roll First Balls

Three Teams Take Four Point Wins

The Classic League, Y-12's oldest and largest group of bowlers, got underway in great fashion last week. There were some complaints about new wood and slow pin action (especially from losers), but the 16-team league shoved off in style.

Three teams took four-point sweeps as the Rebels cuffed the Cubs, the Rippers tore the Wasps and the Eightballs decimated the Playboys. All other wins were three pointers, as the Splinters overcame the All Stars, the Bumpers bumped the Wolves; the Tigers clawed the Smelters, the Markers overcame the Screwballs and the Has Beens took the Swingsters.

Wayne Groppe, Rippers, took scratch highs, scoring a 215 single game and a 583 series score. Bob Roe, Tigers, took singles in the handicap division with a 235. William Shelton, Smelters, rolled a handicap series of 634. The Smelters took singles honors with 860 scratch, 1025 handicap totals. The Rippers took scratch series highs with a 2494 and the Tigers took handicap series with 2859.

League standings follow:

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

Pintwisters Open E League Pin Season

Y-12's E League for bowlers (shift workers who roll in the day-time) got started, also last week, Thursday, September 5. The Pintwisters took four points from the Cannonballs. Three point wins were taken by the Alley Bees over the Ten Pins and the Foursquares over the Pinquins.

High single scratch game was taken by Q. East, Pinquins, who rolled a 188. H. Schultz, Pinquins, rolled the high handicap game of 224. Series highs went to P. Bullard, Alley Bees, who took a 498 scratch, 567 handicap total. High team honors went to the Alley Bees, all the way with singles scores of 673 scratch, 809 handicap; series totals of 1807 scratch and 2218 handicap.

League standings follow:

Team	W	L
Pintwisters	4	0
Alley Bees	3	1
Foursquares	3	1
Ten Pins	1	3
Pinquins	1	3
Cannonballs	0	4



Ride wanted from Callahan Road, Knoxville, to North or Central Portal, straight day. J. L. Grubb, plant phone 7085, home phone Knoxville 947-7416.

Ride wanted from Foothills Estates (Solway Highway) to Central or West Portal, straight day. K. A. McTeer, plant phone 7733.

Ride wanted from Pickwick Lane, Oak Ridge, to Biology or North Portal, straight day. D. Fuccillo, plant phone 7791, home phone Oak Ridge 483-4985.

Will join car pool from North Knoxville vicinity to North Portal, straight day. Margaret Wilson, plant phone 7558, home phone Knoxville 522-7620.

Ride wanted from Woodlawn at Chapman Highway, Knoxville, to North Portal, straight day. Jo Anne Underwood, plant phone 7351, home phone Knoxville 689-2927.

Riders wanted from Washington Pike, Fountain City, via Clinton Highway, to East, North or Central Portal, straight day. W. L. McCormick, plant phone 7951, home phone Knoxville 522-5207.

American women buy some 30,000,000 pairs of slacks a year . . . figures show.



FIGHTING IS not only dependent on size in fish, it also differs with species. Take the little bluegill, says G. C. Gregory, Guard Department. Ounce for ounce the little scrapper will fight you as much as any of them. There is a bluegill category in Y-12's quarterly and annual contest.



SPORTING A THREE WIN, nine lost record for the Slo Pitch League's second half are the Cherokeees, seen above, and not an Indian in the lot! Sitting in the front row are Bob Sliger, Joe Blanton, assistant manager; Earl Stair, manager; and W. L. Watkins. Standing, from left, are Sam Sliger, G. E. Valentine, A. C. Davis, Orville Laurendine, J. C. Spradlin and Jack Jenkins. Not pictured are Ed Blanton, J. P. Parker and Vincent Esposito.

Only 2 Tennis Tilts Mark Waning Season

Two Tennis League matches were reported last week, as Ralph Levey took three sets from Campbell King, 6-2, 6-2, and 6-2. Roy Huddleston took two from Al Fischer 7-5, 6-2. Fischer took one set 6-4.

League standings follow:

Player	W	L
John Pridgeon	19	2
Dick Huber	13	5
Ralph Levey	17	7
Ron Williams	14	10
Al Fischer	12	9
Mike Laggis	12	11
Campbell King	12	14
Bob Bass	6	18
Bill Harper	3	18
Roy Huddleston	3	21

Myers-Boyd Take Putt Putt Lead

The Myers-Boyd twosome moved out in front in the Putt Putt league of miniature golfers last week by their three point win over the Williamses. R. Williams aced number 13; Boyd took six and 14.

The Roberts-Stinnett team took two points from Winstead-Collins with a total count of 81 against an 86. Roberts took bull's-eyes on 14, 17; Stinnett took one and six . . . Collins nine and Winstead aced one and 14.

League standings follow:

Team	W	L
Myers-Boyd	11	4
Roberts-Stinnett	9	6
Winstead-Collins	9	6
Williams-Williams	1	14

AEC Has New Radiation Film Available On Loan

A new film which relates the hazards of radiation to the other hazards of our industrial society is now available from the Atomic Energy Commission here. The 16mm color film, "Radiation in Perspective," presents information which has been found useful for persons requiring a layman's understanding of the nature of radiation, such as teacher groups, public safety officials, transportation, insurance executives, service clubs, colleges and universities, etc.

The 43-minute film may be borrowed without cost from the Motion Picture Film Library, U. S. Atomic Energy Commission, Box E, Oak Ridge.

3-Way Tie Closes Slo Pitch Season . . . Eagles, Rebs, Mets

The Slo Pitch League drew its final gasps last week with some close tilts among the softballers. Two make-up games were squeezed in Friday, August 30 as the Slipsticks clobbered the Bunt Boys 21 to 3. Marshall Biddix had two homers, Lawrence one for the winning team . . . Kyte tripled for the losers.

Team	R	H	E
Slipsticks	21	21	4
Bunt Boys	3	6	5

Batteries: Slipsticks: West and Fogg. Bunt Boys: Miller and New.

The E Wingers took on the Bat Boys in big style Friday, downing them 10 to 4. Hagood and Sise had a double each for the winners . . . Simpson and Miller had the same for the losers.

Team	R	H	E
E Wingers	10	15	2
Bat Boys	4	10	6

Batteries: E Wingers: Hagood and Hyatt. Bat Boys: Brown and Shuttle.

Final Week Begins

Last week's games started as the B Shift team downed ORGDP's Data Processing to the tune of 19 to 6. Big sticks for the winners were Peters with a homer, Fields and Martin with triples, Gadd and Clabough with doubles.

Team	R	H	E
B Shift	19	22	5
Data Processing	6	8	8

Batteries: B Shift: Clabough, Roland and Gadd. Data Processing: Fourman and Holcomb.

Two Y-12 teams clashed Tuesday as the Peons edged by the Slipsticks 4 to 2. Dyer had the only big hit of the game, tripling for the winning team.

Team	R	H	E
Peons	4	9	3
Slipsticks	2	5	5

Batteries: Peons: Rutherford and B. Wright. Slipsticks: Anderson and Fogg.

Tuesday's final game featured a close duel as the E Wingers slipped by the Eagles 12 to 11. Hopkins and Sayne homered for the winners . . . B. Sise, Cavosie doubled while Hagood had two two-baggers. Koon homered for the losers . . . Pryor tripled, Inklebarger hit two three-baggers, and Pryor doubled for the losers.

Team	R	H	E
E Wingers	12	14	6
Eagles	11	12	4

Batteries: E Wingers: Hagood, Overton and Hyatt. Eagles: Bell, Hulse and Thompson.

Slipsticks Come Close

The up-and-coming Slipsticks gave the ORGDP Mets a run for their money in final action last week . . . losing by only one point 9 to 10. Biddix had a big

triple, Alstun and Williams doubled for the Sticks. Hall, Henderson and Lamberth had doubles for the victorious Mets.

Team	R	H	E
Mets	10	17	3
Slipsticks	9	19	5

Batteries: Mets: Iacovino and Whitteley. Slipsticks: Anderson and Fogg. The Slipsticks won the second game of the night by an easy route, taking a forfeit from the Data Processing aggregation from ORGDP.

Rebs Win Last One

The season's final game saw the Rebs take the Cherokeees by 11 to 6. Conner had a home-run for the winners . . . Butterini and Buckley doubled. Jenkins homered for the losers . . . Stair doubled.

Team	R	H	E
Rebs	11	13	2
Cherokeees	6	9	3

Batteries: Rebs: Lawhorn and Lewis. Cherokeees: Watkins and Davis.

By mutual agreement the game between the Peons and the Big Shop team was cancelled, since it would not affect league standings drastically.

A tournament begins tonight, September 11, to determine tournament winners in the league.

Final League standings:

Team	W	L
Eagles	10	2
Rebs	10	2
Mets (ORGDP)	10	2
E Wingers	9	3
Slipsticks	8	4
Peons	7	4
B Shift	6	6
Data Processing (ORGDP)	5	7
Cherokeees	3	9
Big Shop	3	8
Slipsticks	3	9
Bunt Boys	2	10
Bat Boys	1	11

A play-off is necessitated, of course, by the three-way tie for first place. The ORGDP Mets took first place in the first half. If another team wins the second half . . . another play-off will be set for league champions.

Report a lost badge as soon as possible.

ENTRY FORM

1963 All-Carbide Golf Tournament

GATLINBURG COUNTRY CLUB

September 21, 1963

Please enter the foursome, as listed below, in the All Carbide Golf Tournament, subject to the rules governing this event.

NAMES OF FOURSOME:

1. _____ 3. _____
 2. _____ 4. _____

Signature of Member entering this Foursome _____ Phone No. _____

(Complete and send to: Recreation Dept., Bldg. 9704-2).

THIS WILL BE THE LAST time the entry form for the All Carbide Golf Tournament will be run. Golfers wishing to enter the September 21 contest at Gatlinburg should fill out the form and return to Recreation.

BULK RATE
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71

UNION CARBIDE CORPORATION
Nuclear Division



Post Office Box Y
Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED, RETURN TO SENDER IMMEDIATELY.

F. W. Henson Attends National Bureau Of Standards Course, Colorado University

Francis W. Henson, Electrical Department, recently attended the Electromagnetic Measurement and Standards Course held at Boulder, Colorado. The course was conducted by the Graduate School of the National Bureau of Standards in cooperation with the University of Colorado.

Areas of study covered extended from DC to microwave frequencies with a theoretical and practical treatment of each subject. A total of 49 lectures were given by 26 of the Bureau's personnel. Major subjects covered included current standards of voltage and resistance and associated equipment, frequency and time standards and comparisons, low frequency voltage and impedance standards, and high frequency and microwave frequency standards. Each subject was developed mathematically from the fundamental units of measurement to a practical application of the theory involved.

153 Individuals Attend

Emphasis was placed on the present state-of-the-art, development in progress, and considerations of anticipated needs in the field of electrical measurement. Example problems likely to be encountered in the various types of measurements were given, and



F. W. Henson

additional homework problems were assigned to further demonstrate the mathematics and techniques involved.

A total of 153 employees from 64 different companies, 14 universities, and six foreign countries attended the three-week course.

Visited Lab Facilities

While at Boulder, Henson had the opportunity to visit the various sections of the facilities both on a formal and informal basis. Some of the areas visited were the Time and Frequency Section, containing the United States cesium atomic beam frequency standard; Standard Cell Laboratory; AC-DC Transfer Calibration Section; Impedance Measuring Laboratory; and laboratories involved in the calibration of various microwave measurements.

Attending the course and visiting the Boulder Laboratories will further Y-12's efforts in developing and maintaining an adequate standards program.

Power Squadron To Give Course

The Knoxville Power Squadron will start the fall instructions, offering a free course in PILOTING for all interested in boating activities. The following subjects will be covered, Safety Afloat, Seamanship, Government Rules and Regulations, Small Boat Handling, Aids to Navigation, Charts and Piloting, the Mariner's Compass and River Piloting.

Ed Palmer, Y-12's Tool Engineering, who is educational officer at the power squadron in Knoxville, will instruct the course. He appeared on Area-Scope last Sunday at 4 p.m., September 8, to promote the course to the television audience.

The first class will meet at 7 p.m. in the Business Administration Building at the University of Tennessee Tuesday, September 17.

The course is open to both men and women and also teen-agers past 16. All persons signing for the 10-week course will receive free a student's text book and a training chart. At the end of the instructions an examination will be offered to those wishing to take it. Those attaining satisfactory grades will be invited to join the Squadron.

CUT SHORT

Congress sets out to trim the budget, but the knife usually slips and trims the taxpayers.

Stoner Heads Central Fund

Continued from Page 1
School. Members of the United Church, they live at 59 Outer Drive, Oak Ridge.

Anderson Raises Goal

Meanwhile, the Anderson County Community Chest-Red Cross announces a \$3,000 hike in 1963's goal over last year's.

The new goal set is for \$108,500 to cover all the member agencies and the local Red Cross Chapter. (Last year's goal was exceeded considerably.)



All Union Carbide employees here have a five-county choice to which to contribute through convenient payroll deduction. The counties are Anderson, Knox, Roane, Morgan and Loudon. This effortless method of giving allows Y-12ers to contribute a little each month . . . which multiplied by 12 gives a more considerable amount into the Chest's various funds. Payroll deductions reached an all-time high last year, as 73.8 per cent of all Y-12ers contributed to their mother-county's own drive . . . in Anderson County alone Y-12ers accounted for more than 20 per cent of this county's CC-Red Cross fund!

Plant Plans Underway

Chairman Stoner is formulating plans, appointing a chairman in each division in the plant, to coordinate efforts so that every employee will be given the opportunity to contribute to the county of his choice.

As one Oak Ridger put it, "The drive officially begins October 1 for Anderson County. Y-12 usually has its own drive over by then."

At least it's easier than passing a hat once a year!

IEEE Sets Meeting Thursday, Sept. 12

The first meeting of the 1963-64 season of the Oak Ridge Section of the Institute of Electrical and Electronics Engineers is this week. The IEEE has slated a dinner meeting at the Holiday Inn, Oak Ridge, at 7 p.m. Thursday, September 12.

Oak Ridge National Laboratory's E. S. Bettis will speak on "High Temperature Neutrons — Their Cause and Cure."

Members and interested parties should contact N. B. Herskovitz, plant phone 6288, for further information and dinner reservations.

Practice security — your life may depend on it.



Five more Y-12ers step into the magic circle of 20-year veterans next week. Others celebrate important anniversaries with Union Carbide within the next few days. Congratulations.

20 YEARS

F. C. Uffelman, Superintendents Division, September 11.

Albert M. Jones, Product Processing, September 13.

Frederick A. Ruckart, Guard Department, September 13.

John H. Rohland Jr., Finance and Materials Administration, September 14.

Kenrith M. Adkins, General Metal Fabrication Shop, September 15.

15 YEARS

Desma H. Blair, Research Services, September 13.

Virgil W. Reeder, Area Five Maintenance, September 14.

Arthur A. Gardner, Tool Grinding, September 17.

10 YEARS

Wayne W. Kirksey, Production Analysis, September 11.

David R. Allison, Dimensional Inspection, September 11.

Earl T. Henry, Dimensional Inspection, September 14.

John L. Vassey Jr., Research Services, September 14.

William R. Hicks, Physical Testing, September 14.

James A. Andrews, Buildings, Grounds and Maintenance Shops, September 14.

George R. Beasley, Utilities, September 14.

Lacie W. Blevins, Metallurgical Development, September 14.

Coy Crutchfield, Physical Testing, September 15.

Reed D. Atkins, Quality Liaison, September 16.

Henry E. Clayton, Special Mechanical Production, September 16.

William W. Smith, Area Five Maintenance, September 17.

Eulysses Smith, General Estimating and Planning, September 17.

Playhouse To Have Open House Sunday

Y-12ers who wish to heed the grease-paint urge and get on the stage will be interested in the Oak Ridge Playhouse's upcoming season. Fall try-outs and Open House will be held at the Playhouse in Jackson Square Sunday September 15, beginning at 7:30 p.m. Newcomers and novices to the theatre are particularly welcome. The group emphasizes its community quality and the fact that the more people it can reach, both as spectators and participants, the better theatre Oak Ridge will have.

Actual try-outs require no previous theatrical experience. The plays to be cast for the current season are the military comedy, "Blood, Sweat, and Stanley Poole," the exuberant musical "Bye, Bye, Birdie," which requires a cast of over 50 ranging from teen-agers on up, "Darkness at Noon," a modern tragedy which is rapidly joining the world of theatrical classics, and a comedy yet to be selected. Also, the Playhouse is looking for people for the annual summer show to be done next June. For further information about the try-outs or the Playhouse in general, contact Director Paul Ebert either at the Playhouse or at his home phone, Oak Ridge 483-6193.

Nuclear Test Ban

Continued from Page 1
events, related to the subject matter of this Treaty, have jeopardized the supreme interests of its country. It shall give notice of such withdrawal of all other Parties to the Treaty three months in advance.

ARTICLE V

This Treaty, of which the English and Russian texts are equally authentic, shall be deposited in the archives of the depository governments. Duly certified copies of this Treaty shall be transmitted by the depository governments to the governments of the signatory and acceding states.

Oak Ridge Wildcats Open New Season Friday Night Playing Knoxville East

Wildcat fans will be interested in the upcoming schedule for the Oak Ridge High School team. The season's schedule is reprinted below. Interested parties may want to clip and save the calendar.

September 13	Knoxville East	(home)
September 20	Bradley County	(away)
September 27	Waynesville, N. C.	(away)
October 4	Baylor (Chattanooga)	(home)
October 11	Shelbyville	(home)
October 18	Knoxville South	(away)
October 25	Louisville Flaget (Kentucky)	(home)
November 1	Elizabethton	(away)
November 8	Kingsport	(home)
November 15	Knoxville Central	(home)



BLANKENSHIP FIELD WILL AGAIN be the scene of mighty action beginning this Friday, September 13, as the Oak Ridge Wildcats take on Knoxville East. Home-folks will be able to see the Cats in their initial game with kick-off time slated for 8 p.m. Many of the above squad are children of Y-12 employees. They have

been photographed by themselves and will appear in a later edition of the Bulletin. (While Y-12ers probably will have sons on the East team visiting in the Ridge Friday . . . most of the plant sentiment will favor the mighty Cats.) The complete schedule for the Wildcats' 1963-64 season appears above this photo.