



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Volume 2, No. 25

57962

OAK RIDGE, TENNESSEE

Tuesday June 22, 1948



Y-12 Photos By Vince Moore

"WHEW, IT'S SURE HOT," PUFFS EVELYN (FIZ) TUCKER, DEPT. A12M, AT LEFT, AS she frowns while removing excess perspiration from her nose. Then she remembers that salt tablets provided throughout the plant will remove "that sticky feeling" and prepares to take one or two dosages of tablets in a cup of water as shown in the middle pictures. The hands in this picture are those of Jean Brownfield, Dept. H12L. "Ah, that's better," Evelyn smiles in the picture to the right after taking the necessary number of salt tablets to remove the discomforts of excess heat.

ORNL 'News' To Make Debut Here On Friday

A new publication joins the Carbide family of plant newspapers in Oak Ridge this week when The News of the Oak Ridge National Laboratory makes its bow in the journalistic field on Friday, June 25. The Y-12 Bulletin and The Carbide Courier both extend a hearty welcome to The News and are confident the new newspaper will be as popular with the employees of the Oak Ridge National Laboratory as The Courier and The Bulletin have been in the K-25 and Y-12 plants.

Like The Y-12 Bulletin and The Carbide Courier, The News will be a newspaper by and for all employees of the Oak Ridge National Laboratory. News and pictures of all plant activities will be presented in the weekly publication, which will be mailed to all employees of the laboratory every Friday.

Editor of The News will be Marc V. Sims, who for the past year has been associate editor of The Y-12 Bulletin. Miss Helen Chastain, Carbide Courier, will hold a similar position with The News.

Replacing Sims as associate editor of The Y-12 Bulletin is Robert A. Burgin, Jr., of Knoxville, who will receive his degree in August from the University of Tennessee school of journalism. "Bob" Burgin was an Army Air Forces pilot during the war.

Son Of Y-12 Employee Wins Model Plane Contest

Dick Culver, 10-year-old son of Joe Culver, Dept. A12W, won first place in the C-0-2 junior class contest at the Southeastern Model Air Meeting on June 12-13 at the Marietta, Ga., Air Force Base.

His 36-inch model, powered by a small cylinder of carbon dioxide, flew out of sight and was recovered by a fisherman in a lake one mile from the field.

Culver placed third in the hand-launched glider event. This is his third year of competition in model airplane contests.

Heat Exhaustion Problem Is Here Again; Proper Use Of Salt Tablets Recommended

With the season of hot, sultry days now here, the problem of heat exhaustion becomes more acute, it is pointed out by Dr. Paul Scofield, Y-12 Medical Director. Many of the discomforts and possible serious results from heat exhaustion may be thwarted by the proper use of the salt tablets placed in containers near water drinking fountains in the plant.

Heat exhaustion may result from over-exposure to the sun or from continuous exposure to indoor heat. Persons in poor health or those who suffer from faulty elimination are especially susceptible, as are persons who previously have experienced heat exhaustion.

Tablets Replace Lost Salt

Perspiring in hot weather robs the body of vital salt, the body is dehydrated and heat fatigue results. The salt tablets provided in Y-12 replace the body salt lost through perspiration.

It is suggested that anyone suffering from excess perspiration or other symptoms of heat exhaustion take the salt tablets with a full glass or cup of water. A recom-

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Safety Office Phones Merged; New Number Now Is 7741

A rearrangement of the telephones serving the office of G. C. Henderson, senior safety engineer, and other members of the Y-12 Safety Section in the North Portal office will enable callers to reach all members of the section over one number instead of three, as in the past.

The new number for the Safety Section is 7741. This number supplants lines over which Henderson, Earnest L. Bentley, Lee Bagwell, C. E. Johnson and Paul C. Ziemke have been called previously.

Continuing 'The Soviet Spies'

Dr. May, Other Spy Leaders Taken Into Custody As Reds Thwarted

Despite a Russian effort to "brush off" the damning evidence gathered in Canada against its espionage ring in the Dominion the importance of the information sought by the Soviets was stressed by the Canadian Royal Commission of Inquiry, which pointed out that the efforts put forth by the spy ring to gain the data attested to its value. In this, the last installment of "The Soviet Spies" the work of the spy ring is summarized and the fate suffered by those who attempted to betray their native land is revealed.

The Y-12 Bulletin hopes that publication of "The Soviet Spies" has not only been entertaining reading but also has brought a lesson to all Y-12 employees on the intricate, subtle and dangerous methods used by the Russians in Canada to gain information on the atomic bomb, radar, the VT proximity fuse and other vital wartime secrets held by the Allies. "The Soviet Spies" is a convincing answer to why a strong security program, such as is in effect in Y-12, is an absolute necessity for the protection of our own plant, the entire atomic energy project and the nation as a whole.

CHAPTER SIX

Meanwhile, in Moscow, on February 20, 1946, Deputy Commissar of Foreign Affairs Solomon Lozovski invited Leon Mayrand, Charge of the Canadian Embassy, to call at his office. The Soviet official launched at once into the reading of a two-page statement. The excerpts which follow should be read with Gouzenko's Embassy documents in mind:

"Soviet organizations have become aware that certain members of the staff of the Soviet Military Attache in Canada received from Canadian nationals certain information of a secret character which do not, however, present great interest for the Soviet organizations. This information referred to technical data of which Soviet organizations had no need in view of more advanced technical data in the U.S.S.R. The information in question could be found in published works on radio-location, etc., and also in the well-known brochure of the American, J. D. Smyth, 'Atomic Energy'. It would therefore be ridiculous to affirm that delivery of insignificant secret data of this kind could create any threat to the security of Canada."

"None the less, as soon as the Soviet Government became aware of the above-mentioned acts, the soviet Military Attache, in view

(Continued on Page 4)

M.I.T. School Opening Is Set For July 26

The Massachusetts Institute of Technology practice engineering school will open its first period of classes at the K-25 plant of Carbide and Carbon Chemicals Corp. Monday, July 26, it has been announced by Prof. William A. Read, director of the school. The school will be installed in a building to itself with a lecture room, offices, laboratory, drafting room and a small technical library to facilitate the work of the students in carrying out their assignments at the plant.

The first group of students for the initial period of the school, to last from July 26 until December, will be limited to nine, Professor Reed said. In the second period an enrollment of about 30 is expected.

All of the students at the school are to be graduate students of M.I.T. and will be housed in Oak Ridge dormitories. The school's objective is to offer practical experience in engineering aspects of atomic energy to students with different training. For example, mechanical, electrical and chemical engineers will collaborate on single problems.

Classes will be held from 8 a.m. to 4:30 p.m. Monday through Friday for the entire period of the school, Professor Reed said.

Professor Reed also announced that Raymond F. Baddour, a chemical engineer at M.I.T., has been appointed assistant director of the school. He is a graduate of Notre Dame in the class of 1945 and is a native of Laurinberg, N. C.

Suggestions Of Nine Y-12 Employees Are Recognized

Suggestions for improvement of plant operations proposed by nine Y-12 employees have been accorded recognition by the Company.

Among the adopted suggestions was a joint proposal by C. S. Powell and W. A. Wiginton, both of Dept. B12C. Their suggestion was No. 61327.

Other employees whose suggestions were adopted, with their department and suggestion number include C. W. Harpe, A14N; 60715; A. K. Johnson, Jr., A14N, 62327; Virgil Lovett, A14N, 62319; A. C. Swicegood, A15N, 61700; G. I. Miller, B12C, 61329; N. A. Stone, H12L, 64102; and C. W. Frazier, H12L, 61994.



Y-12 Photos By Vince Moore

SPORTS IN Y-12 PROVE TO BE A GREAT LEVELLER AS IS SHOWN IN THIS PICTURE OF golfers from many different ranks of employment in the plant receiving prizes won in the recent Y-12 golf tournament. In the foreground, E. C. Cain, assistant superintendent in charge of industrial relations, is presenting first prize to Bob Shugart, an operator in Dept. B12H. In the back row, left to right, with their awards are H. D. Duncan, engineer in Dept. A12N; J. M. Case, shop general foreman in Dept. A16N; L. C. Martin, sign painter in Dept. A17N; W. D. Lavers, assistant superintendent in charge of engineering and production; and L. H. "Sky" Barker, administrative assistant in Dept. B12A.

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Five Groups Report Perfect Attendance

Only five departments in Y-12, all in the minor league, showed perfect attendance records for the week ending June 13 as against seven for the previous week and the plant absentee mark as a whole jumped from 2.2 per cent for the week ending June 6 to 2.4 per cent for the week ending June 13.

Newcomers Take Top Spots

Newcomers again rose to leadership in the major league with Dept. A14N, Electrical Equipment Repair and Maintenance, jumping from fifth place to first with an absentee mark of .2 per cent for the week ending June 13. Dept. H12L, Isotope Development, bettered its second place record of having .6 per cent of its employees absent when for the week ending June 13 this group had only .3 per cent absenteeism. However, the department remained in the second spot. The biggest advancement in the major league was by Dept. A16N, Maintenance Shops. Its absentee mark was .7 per cent and enabled the group to advance from 11th place to third place for the week ending June 13.

Only three of the six minor departments tied for first place with perfect work attendance records for the week ending June 6 repeated the following week. They were Dept. A12J, Industrial Services; Dept. A12L, Employment; and Dept. A12R, Cafeteria and Canteen. Joining these departments in the perfect attendance list for the week ending June 13 were Dept. A12T, Garage Repair Shop; and Dept. A12P, Central Reports and Information.

Two Departments Advance

In second place in the minor league with an absentee mark of .9 per cent was Dept. A12D, Dispensary, which was in third place the preceding week. Dept. A15N, Experimental Process Equipment Repair and Maintenance, jumped from sixth place to third and posted an absentee record of 1.1.

The complete absentee mark for Y-12 for the week ending June 13, by departments, follows:

MAJOR LEAGUE				
More than 50 Employees				
Dept.	Percentage		Standing	
	Absent	6-13-48	6-6-48	
A14N	0.2	1	5	
H12L	0.3	2	2	
A16N	0.7	3	11	
A12S	0.8	4	8	
A12G	1.4	5	4	
A14J	1.5	6	3	
H12E	1.8	7	1	
H12H	2.1	8	9	
A17N	2.2	9	7	
B12C	2.3	10	6	
A13N	2.4	11	15	
M12P	2.5	12	12	
A12M	3.8	13	16	
B13L	4.2	14		
A12W	5.1	15	10	
H12D	6.4	16	14	
B12L	6.5	17	13	

Group absentee percentage was 2.4 per cent, .3 per cent higher than the preceding week.

MINOR LEAGUE				
15-49 Employees				
Dept.	Percentage		Standing	
	Absent	6-13-48	6-6-48	
A12J	0.0	1	1	
A12L	0.0	1	1	
A12R	0.0	1	1	
A12T	0.0	1	4	
A12P	0.0	1		
A12D	0.9	2	3	
A15N	1.1	3	6	
B12A	1.3	4	2	
A19N	1.4	5	7	
A13S	1.5	6	1	
A13T	3.4	7	5	
M12S	3.6	8	8	
A12N	4.8	9	1	
M13P	5.3	10	9	
B13C	7.1	11	1	
A12A	7.5	12	10	

Group absentee percentage was 2.7 per cent, .3 per cent higher than the preceding week.

The plant average for the week ending June 13, 1948, was 2.4 per cent, .2 per cent higher than the preceding week.

Hard work by itself seldom causes fatigue which cannot be cured by a good sleep or rest.



McFALL — THOMPSON

Miss Mabel Thompson, Dept. A12J, and John C. McFall, Jr., were married at 2:30 o'clock Saturday afternoon, June 19, at the Chapel-On-The-Hill. The Rev. Robert F. Lundy, Methodist minister, performed the ceremony.

The bride is the daughter of Mr. and Mrs. Ewell Thompson, of Monticello, Ky., and the groom is the son of Mr. and Mrs. John C. McFall, 101 East Hutchison Circle, Oak Ridge.

At her wedding the bride wore a full-length pearl satin gown with scooped out neckline, bordered in matching lace with long sleeves ending in a point over the hands. She also wore a chapel-length veil of illusion.

Mrs. Margaret Hornbaker, sister of the bride, was matron of honor and wore an ice green gown with sweetheart neckline and lace top. Edna Rhea, Dept. B12L, was bridesmaid and wore a gown similar to that of the matron of honor.

Best man was Charles C. Holbrook, of New Haven, Conn. Richard C. Baker and William C. Hornbaker, both of Oak Ridge, were ushers.

The bride was given in marriage by her father and during the ceremony Miss Helen McFall, sister of the groom, sang nuptial music, including "Oh Promise Me" and "I Love You Truly." She was accompanied on the organ by R. L. Siebert.

Following the ceremony a reception was held at the apartment of Mr. and Mrs. Hornbaker.

The bride attended the Wayne County High School at Monticello and also the Bowling Green Business University, Bowling Green, Ky. The groom attended the University of North Carolina and graduated from the University of Alabama, where he received a bachelor of science degree in aeronautical engineering.

Following a honeymoon trip the couple will live at Langley Field, Va.

SPRAGUE-BROOKSHIRE

Miss Willie Blanche Brookshire, Dept. B12H employee in Y-12, was married at 6 o'clock Friday afternoon, June 11, to Staff Sgt. Walter Sprague at the Chapel-On-The-Hill. The Rev. John A. Abel officiated at the ceremony.

The bride is the daughter of Mr. and Mrs. John Brookshire, of Vonore, Tenn., and was given in marriage by her father. The groom is the son of Mr. and Mrs. John Sprague, of Tulsa, Okla.

At her wedding the bride wore a white dress with a sweetheart neckline and white accessories and a white orchid corsage.

Betty Brookshire, sister of the bride, was maid of honor and wore a pink dress with brown accessories and a gardenia corsage. Glenn Brookshire, brother of the bride, was best man at the wedding and Organist F. F. Siebert provided nuptial music for the service.

The bride has been an employee in Y-12 since September 1944. Sergeant Sprague served six years in the Army and now is a sergeant-instructor for Tennessee National Guard units in Oak Ridge.

LEE-MILLS

The marriage of Miss Elizabeth Mills, of Madisonville, Tenn., to Azon C. Lee, Dept. B13C employee in Y-12, was performed at 2 p.m. May 29 at Chatsworth, Ga.

The bride is the daughter of Mr. and Mrs. Arin Mills, Madisonville; and the groom is the son of Mrs. Willie Lee and the late Mr. Lee, of near Madisonville.

The couple will live at Mt. Vernon, Tenn.

SLONER-DUNCAN

Bart Sloner, of Dept. A12S in Y-12, and Miss Annie May Duncan, of Lake City, Tenn., were married at 10 o'clock Saturday morning, June 5, at Lake City. The Rev. William Beech performed the ceremony.

The bride is the daughter of Mr. and Mrs. Goldie Duncan and the groom is the son of Mr. and Mrs.



Y-12 Photos By Vince Moore
Sgt. and Mrs. Walter Sprague



Taylor Studio Photo
Mrs. Claude G. Bolding

Leonard Sloner, all of Lake City. The couple will live at Lake City.

BOLDING-MITCHELL

The marriage of Miss Mary Mitchell, a Y-12 employee in Dept. B12L, to Claude G. Bolding, on June 13 at Lakeview, Ga., is announced by parents of the bride, Mr. and Mrs. W. B. Mitchell, of Reidsville, N. C.

The groom is the son of Mr. and Mrs. Claude G. Bolding, of Knoxville.

The couple left Saturday on a wedding trip.

Ridge Jaycee Fire Program Honored

Nick ZaBenco, Dept. H12D, was chairman of the fire prevention committee for the Junior Chamber of Commerce in Oak Ridge which recently took third place for outstanding work accomplished in fire prevention in a national contest.

DEFENSE CORPS REVIVED

A recent news dispatch from New York reports that the fire department of the big city has taken steps to revive its wartime civilian auxiliary corps to aid in "any disaster or emergency." Membership in the corps will be selected from 3,690 civilians.

MORE CORN, LESS LEAF

The Tennessee state department of agriculture has announced that Tennessee farmers planted approximately 2,244,000 acres in corn this year compared to 2,220,000 acres in 1947. Also the department said 72,000 acres have been allotted for burley tobacco this year against 73,000 last year.

Strictly Confidential..

Employees who have returned from recent vacations in Dept. B12H, Group No. 1, are M. B. Myers, W. M. Reynolds and A. J. Seagle . . . Williard Cone spent a recent vacation in Nashville . . . J. H. Evans spent a recent vacation in his home town of Newport, Tenn. . . . The department welcomes Elizabeth Buckmeister and Dorothy Johnson.

Dept. A17N extends sympathy to Edgar Gillespie, whose father died in Sevierville, Tenn., June 11 . . . The department also extends sympathy to George Howard, whose father-in-law died at Birmingham, Ala., recently . . . Graham Boogs spent a recent vacation taking in the outdoor life at Norris Lake . . . E. J. Rogers spent a recent vacation visiting relatives in various cities in Tennessee. A. F. Ogden is vacationing in Washington, D. C., this week . . . D. V. Zehner intends to spend a few days of his vacation in Clarksville, Tenn., this week . . . Get well wishes are sent to S. V. Evans, who is on the sick list.

J. C. Duguay, Dept. A12S, plans to do a little airplane traveling and fishing during his vacation this week . . . The department wishes a speedy recovery to Ray Stewart, who is ill.

W. E. Davis, Dept. A13J, returned to Oak Ridge by plane after driving his family to Jacksonville, Fla., over the week end where they will remain for a two week vacation.

C. C. Evans, Dept. A12G, is spending a two week vacation at Daytona Beach, Fla. . . . L. A. Litton is in Oneida, Tenn., spending a two week vacation . . . C. E. Decker is spending a two week vacation at Ringgold, Ga. . . Polie Garison is vacationing in Cookeville, Tenn., this week . . . J. C. Booher is in Bristol, Va., vacationing this week . . . Shirley Honeycutt, C. M. Simpson, and V. C. Nance also are on vacation.

Ruth Draughn, Dept. H12D, spent last week vacationing way down in the Deep South at New Orleans, La. . . . The department wishes a speedy recovery to Lewis Twichell, who is on the sick list . . . George Marrow decided he had enough of this batching so he rounded up his family in Paducah, Ky., where they have been vacationing, and returned to Oak Ridge . . . D. A. Lee is vacationing with his parents in Pelican Rapids, Minn. . . Vic Defenderfer spent a recent vacation in Milan, Tenn.

Dr. Paul Scofield, Y-12 Medical Director, is in Chicago attending a meeting of the American Association of Industrial Physicians and Surgeons, and a meeting of the American Medical Association. The meetings will last through the remainder of this week.

R. S. Toomey, Dept. B12C, spent last week vacationing in Etowah, Tenn. . . . Carl Nelson returned to work Monday after a vacation spent in LaFollette.

Cora and Bill Brundage, both of Dept. H12L, spent a recent week end with Cora's parents in Spartanburg, S. C. . . . O. C. Yonts with his wife and some friends motored through the Smokies during a recent week end . . . Clayton Bolinger spent a recent vacation camping at Norris Lake and says, "Minus the ants and bugs that go along with the camp I think it's just the life." . . . T. J. Stevens returned to work Monday after a week vacation spent with his parents in Gainesville, Ga.

Dept. A12P, Central Reports and Information Office, welcomes the following employees into the department: Alene Adams, Dorothy Connors, Dorothy Hamilton, Pauline Lovely, Martha Parks, Mildred Ragan, Mildred Spoon, Jean Walker, and Ruth Ziemke.

Reported returned vacationers in Fire Dept. A14J are B. D. Hicks, H. E. Argo, G. H. Harveys and J. E. Lain . . . The department wishes a speedy recovery to D. C. Shephard, who is on the sick list.

Avo Hammond and Doris Moore, Dept. A12L, are vacationing at Myrtle Beach, S. C., this week, roasting in that South Carolina sunshine.

They grow 'em big in Florida—grapefruit, that is—as is evidenced in this picture of Maude Parton, Dept. A12P, wearing a "new look" headgear that on closer inspection



proves to be a huge grapefruit grown by a neighbor of friends visited by Maude on a recent trip to Tampa. While in Florida Maude also visited in Miami . . . Marie Cardwell spent her vacation in Oak Ridge recently.

Emma Russell, Dept. A12N, is vacationing at Daytona Beach this week . . . H. D. Duncan, who has been putting quite a bit of his spare time working on the Oak Ridge golf course, says he knows the boys will miss his "presents" but just can't see himself doing anything but resting on his vacation this week . . . Pauline Parks Morris is vacationing with her brother in Dallas, Texas . . . G. B. Tucker returned to work Monday and reports his vacation was spent very quietly in Oak Ridge.

W. H. Acton, Dept. B12A, spent the past week end with his family in Birmingham, Ala., with his mother who is ill.

Dora Bagwell, Dept. M12P, is vacationing in Calhoun, Ga., this week . . . Iwada Bashears is in Atlantic City, N. J., spending a one week vacation . . . Dorothy Ditty is vacationing at her home in Middlesboro, Ky., this week.

Pfc. Claude Shelby, former employee in the Y-12 Guard Department, recently graduated from the Air Force Communications School at Scott Air Base, Belleville, Ill., friends were informed last week. Before coming to Y-12 he was in the infantry during World War II and left here last August to return to the Army. In the communications school he qualified as a radio repairman. He is the son of Mr. and Mrs. Leonard Shelby, of Knoxville.

Maola Conner, Dept. A12M, visited with relatives at Lebanon, Tenn., over a recent week end . . . Alberta Kaizer spent a recent vacation at her home in Lake City . . . R. R. Tippy and his family spent last week vacationing at Carterville, Ill. . . . Wilbert Hamby is vacationing this week in Nashville and plans to try his luck at fishing.

After all these favorable reports on catching fish in lakes around Oak Ridge Daisy Ward, Dept. B12L, and her husband decided to try their luck at Douglas Lake recently, but they don't seem to have the technique—no bites—no fish . . . Francis Shemblin made a recent trip to Scottsboro, Ala. . . . The department extends sympathy to Guy Wells, whose brother died in Atlanta, Ga. recently . . . Don Musser returned to work Monday after spending a week vacation in Tiffney, Ohio . . . Isabelle McMurray attended the graduation of her sister at the University of Tennessee, June 7 . . . Aleene Carpenter spent a two week vacation at Chickasha, Okla. . . . Elva Joyce decided she preferred outdoor life for her vacation, so she spent a week vacation at Cherokee Lake . . . Patsy Levin has returned to work after a two week vacation, spent in Rochester, N. Y., and points in the lower part of Canada . . . Mildred Johnson has returned from a one week vacation at Hattiesburg, Miss.

Guard Pitcher Hurls No-Hitter; 18 Cagers Whiff

Cecil Christopher hurled the second no-hitter of the Plant Softball League season on June 16 at Jefferson Junior High School field, giving the Guards a 5 to 0 win over the Bird Cagers. The Cagers just couldn't connect on left-handed Christopher's rise balls. He fanned 18 of the 24 batters facing him and allowed one walk.

Ed Sise, the losing pitcher with six strikeouts to his credit, tossed a good game for the Cagers but failed to receive the backing of his teammates as shown by the six errors.

First Half Of Season Ends

This week ends the first half of the season in the plant league. The Bums will tackle the Dreamers tonight to play off a 29 to 29 tie and the Bird Cagers replay the Wolves at Administration field. Postponed games are being scheduled by the Recreation Department as rapidly as possible. The boys from Bldg. 9212 will meet the Guards at 8:30 p.m. on June 24.

The Guards skinned the Wolves on June 15 by a tally of 9 to 4. Christopher relieved Cantrell in the third and struck out 15 batters. Four other batters faced Christopher, two getting hits, one walked and the fourth was hit by a pitched ball. John Gordon pitched for the losing Wolves.

Firemen Win Fast Game

The Fire Department knocked off the Dreamers in 45 minutes on June 15 to the quick score of 12 to 2. Paul Braden was the winning pitcher, allowing three walks. Bill McGill got two doubles, along with Henry Krause, out of four times at bat for the firemen.

Matlock was the losing pitcher, walking two. Stokley hit a home-run scoring Matlock and giving the Dreamers their two runs.

The hook and ladder boys blazed to a 13-9 win over the All Stars on June 14 at Jefferson Junior High School field. The firemen led all the way and only once did the All Stars come near tying up the tally and that was in the second inning when the Fire Department was leading 6 to 5.

Johnny Webb Is Hot

Johnny Webb kept the game hot for the firemen from the mound and at the plate. He fanned eight of the All Stars and netted two singles, a triple and a walk in four times at bat. Emmett Moore caught for the firemen.

Ted Higgins was the losing pitcher. He got a home run in the fifth with nobody on base. Griffin caught for the All Stars. Combs was heavy on the batting end for the Stars with one single and a triple.

The All Stars won against the Isotopes on June 16 in the last of the seventh when Pletz broke an 8 to 8 tie by knocking in the winning run. He got four hits in five trips to the plate. Ted Higgins hurled for the victors, giving up six walks. F. G. Killian pitched for the Isotopes, chalking up six strikeouts. J. B. Capehart was the heavy batter for the Isotopes with two hits in four times at bat.

Guttery's Homer Splits Isotopes

On June 15, Guttery broke a 4 to 4 tie in the last of the eighth with a home run to give Bldg. 9212 a 5 to 4 win over the Isotopes. Mustin fanned six Isotopes and walked one. F. G. Killian was the losing pitcher.

The game between One-91 and the Dreamers was a batting scramble on June 14 with the score ending at 24 to 21 in favor of One-91. Stukenbroker was the winning pitcher, striking out four and walking two.

J. W. Redman collected two home runs and three singles in six trips to the plate for the One-91 team. Don Matlock tossed for the losing Dreamers. Brewer Coulter chalked up two singles and two doubles in five times at bat and E. T. O'Rourke got a single, double and a home run in five trips to the plate.

Wolves Wallop Bldg. 9212

The wolves tripped the boys

Cardinals Crush AEC For First Win Of Season In City League

The Y-12 baseball team earned its initial win of the season in the Oak Ridge City League on June 15 when it rolled over the boys from AEC, 18 to 8.

AEC started the ball game off with a 4 to 0 lead in the first inning but were soon overtaken in the second by the Cardinals when they batted around, scoring six runs.

AEC Rally Unsuccessful

The AEC lads didn't get another run until the last of the ninth when they started an unsuccessful rally on errors made by Y-12, scoring their remaining four runs.

A. H. Wigginton was the winning pitcher, allowing seven hits. Jesse Cole was the losing moundsman for AEC, giving up 21 hits. Dodson and Noe both connected with two singles and a double in six trips to the plate for Y-12.

One-Game Streak Broken

The Cardinals winning streak was stopped at one straight on Thursday night when the Oak Ridge National Laboratory cramped their style 11 to 4. Kappelmann was the losing pitcher for Y-12.

The Cards faced one of the best in the league in the opposing hurler, Lewallyn, who fanned 11 batters. Harmon was the heavy batter for Y-12 with two singles and a double in four trips to the plate. Dodson was pulled in the sixth because of an injury received trying to snag a foul ball. He snagged a finger instead on the wire screen. The Cardinals have been showing steady improvement and are going to give their opponents a fit in the second half. They collected nine hits off Lewallyn which is good in any score book.

All Stars Game Is Set

Tentative plans call for an All-Star baseball game to be played on July 4 or 5 at the opening of the new ball park on Baltimore Road. The All-Stars, selected by a vote of the fans, will play the team that is leading the league at the close of the first half of the season.

Ballots will be passed out to the fans for the rest of the first half. The selection of the team will be based on the number of votes each player gets in the balloting. There will be a ballot box placed at the ball park exits. Announcement of the team will be made on July 1.

Regular admission of 25c will be charged for the All-Star game. Season tickets will not be honored for this game.

Roberts, Robuster Manager Played Lots Of Baseball

Manager Roy Roberts of the Y-12 Robusters, members of the City "B" Softball League, has been the wheel of ball teams for the past 25 years. He began managing baseball teams in Columbia, Mo., and headed the club there for 10 years. He played semi-pro ball in 1935, at Columbia, with one of the fastest clubs in that section.

1942 was a busy season for Roberts when he managed a softball and baseball team at the same time. He came to Oak Ridge in 1944 and organized a team in the plant league. Roberts was manager of the champion Has Beens in 1946-47 of the plant softball league.

NEW LOOK TRAFIC HAZARD

There once was a time when women pedestrians could be spotted at night by the light colored hose worn, Burton W. Marsh, safety director of the American Automobile Association points out in a recent news dispatch. However, he continued, the "new look" in long skirts makes such spotting almost impossible and therefore adds the modern style to the list of traffic hazards.

from Bldg. 9212, 7 to 6, on June 17 with both clubs piling up several errors. Gordon tossed for the Wolves and Darby was the losing hurler.

One-91 displayed power on the batting end Thursday night by skipping over the Bums 17 to 7. Smitty turned in a nice performance from the mound for the One-91 team and Walton was the losing pitcher.

Men Softballers Sock Lunch Lads; Robins Romp On Roane-Anderson

Both Y-12 varsity softball teams emerged victorious in all of last weeks encounters. Ed Sise did it again for the Y-12 Recreation League as the Robusters walked away from the lads of Grant's Quick Lunch Stand with a 5 to 1 game on June 14 played at Oakwood No. 2. Sise fanned eight batters and allowed one walk.

Y-12 Leads League

By taking the luncheoners to the cleaners Y-12 took over first place in the league with a record of four victories against a lone defeat. Fairchild and Firestone were tied for second place with three wins and two defeats each. Roane-Anderson and Grant's Lunch Stand were next in line with two wins and two losses each while the School Shops trailed the loop with no wins and five losses.

McPherson Leads Y-12 Hitters

George McPherson led the Y-12 batting with two singles out of three trips to the plate.

Whaley was the losing pitcher. His team notched up five hits and three errors. Y-12 collected five hits and no errors.

The Y-12 team met the boys from Firestone last night at Oakwood No. 2. On June 23, they are scheduled to play Schools Shops.

The Robins sprouted new wings on June 14, defeating the Roane-Anderson lassies 11 to 10. Marian Brown hurled for the victors, walking four.

Hart Drives In Winning Run

Ann Hart's single in the last of the seventh, scoring Marian Brown from third, won the ball game for the Robins. Helen West and Jerry Morisette each turned in a single and a triple to lead the batting end for Y-12. Pat Roberts was the losing pitcher.

The Oak Ridge National Laboratory team reported that it was unable to play the scheduled game on June 18, so the Y-12 girls won by default. The Robins were scheduled to meet the girls from K-25 last night.

The Robins had their wings clipped previously on June 11 by the girls from K-25 to the tune of 17 to 3. Marian Brown was the losing pitcher and Ann Hart did the catching. The Y-12 girls mustered seven hits and two errors.

Margie Gross tossed for K-25 and was relieved by Jo Acres in the fourth. Helen Hobson was back of the plate.

Robins In Third Place

The Robins were in third place in the league last week with two wins and four losses. K-25 was leading with six wins and no defeats and Roane-Anderson second with four victories and two upsets. ORNL trailed with no wins in six starts.

Racqueteers Of Y-12 Draw Whitewash From Lab Lobbers

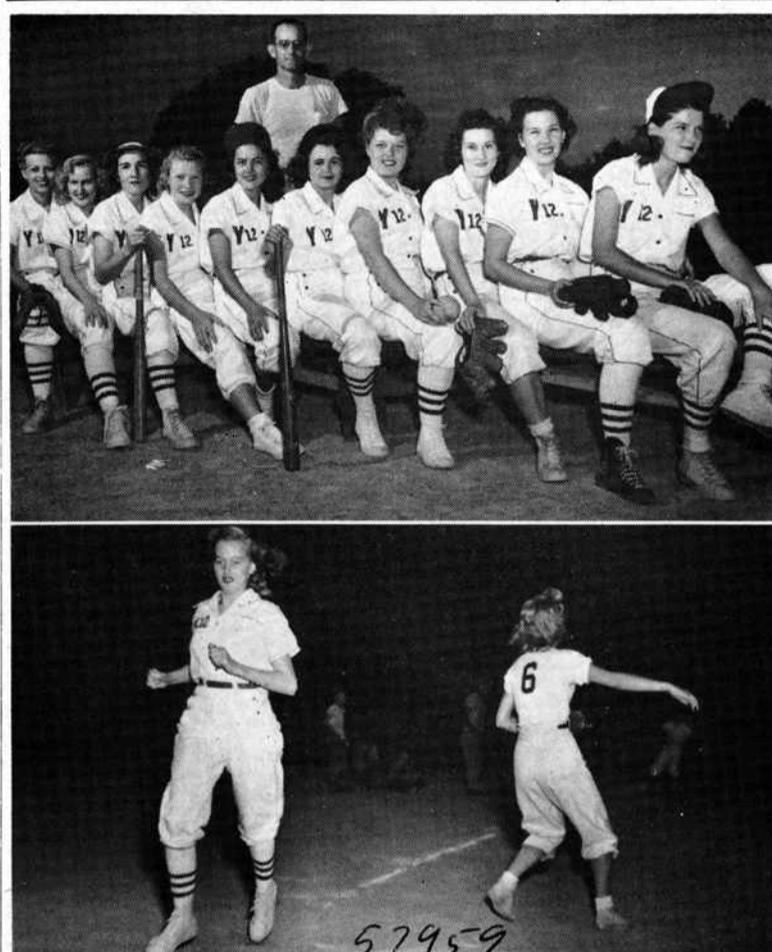
The Y-12 men tennis players could take but two sets from racqueteers of the Oak Ridge National Laboratory last Tuesday and were whitewashed in the six matches.

Capt. Mal Wallis, of Y-12, put up a good scrap against Peterson before the ORNL star triumphed by scores of 7-5, 10-12, 6-0. Koontz took the first set from Silverman, 7-5, but the Lab lobber took the next two, 6-0, 6-4. In other singles matches Lane, of ORNL, beat Hurst, 7-5, 6-3; and Radin topped Towns, 6-1, 6-0. Kyger and Reynolds beat Scofield and Byrd, 6-2, 6-0; and Schlosser and Rogers trounced Harrison and Allen, 6-1, 6-2.

Our side did some better Thursday night against AEC by taking two matches and losing four. Wallis beat Huddleston, 6-2, 6-2 and Hurst won a default set from Brothers after triumphing 6-4. AEC victories were gained by Lee over Koontz, 1-6, 6-3, 6-4; and Freestone over Radin, 6-1, 6-0. In doubles AEC teams of McNabb and Behrman beat Harrison and Allen, 6-3, 6-0; and Hill and Page beat Scofield and Tunnell, 6-3, 6-3.

The Y-12 women netters, who wound up the first half of the league play with 19 wins and five losses, will open second half play June 30 against K-25.

S P O R T S



THE ROBINS OF Y-12 ARE MAKING A GOOD SHOWING in Oak Ridge softball circles this season. Shown above, left to right, are team members Ann Hart, Marian Brown, Judy Lowe, June Lynch, Katherine Jenkins, Maxine Butler, Ruth Law, Helen Brown, Helen West and Jerry Morisette. Coach Ray Ledford is standing at the rear. In the bottom picture Marian Brown, who pitched Y-12 to a recent victory over Roane-Anderson, is shown crossing the plate with the winning run which was batted across by Ann Hart.

Two Y-12 Skippers Will Pilot Sailboats In Loudoun Lake Races

George Lockhart and G. J. Angele, both Y-12 employees and yachting enthusiasts, are among the six entries in a series of five sailing races to be staged under auspices of the Oak Ridge Power Squadron on Ft. Loudoun Lake. The races will be held near the Concord Park boat docks over a course starting at the bridge leading to the dock.

A tuneup event to acquaint pilots with the course and racing rules was held last Saturday in preparation for the first of the five match events, scheduled for Saturday, June 26. Angele, chairman of the Power Squadron Racing Committee, said the races probably would be held every other Saturday until the five had been completed.

Lockhart and Angele both own Sunray boats as do Don Stewart and Charles Asmanes, of K-25 and E. L. Nicholson, of the Oak Ridge Laboratory. Sidney Ross, also of ORNL, sails a Snipe boat. All of the Sunray craft were built in Oak Ridge by members of the former Oak Ridge Yacht Club.

Winning Pilot To Get Prize

The races are open to all sailing craft under 16 feet long and are the first of their kind ever held on Ft. Loudoun Lake. An entry fee of \$2 per boat is charged to pay for a cup to be awarded the pilot winning the highest number of points in the five races.

Officials for the race include Frederic Franklin, squadron commander, timekeeper; and Phillip Collett, starter. Any other Oak Ridge skipper interested in entering the races is asked to communicate with Angele at Phone 5-2656, after 5:30 p.m.

CUT-UP RUINS BOOKS

A news dispatch from Brooklyn, N.Y., recently told of a self-appointed censor who has defaced hundreds of volumes in Brooklyn libraries by scratching out phrases such as "My Lord!" "Oh God!" and "Heavens!" wherever they occurred.

Allied troops invaded Normandy in World War II on June 6, 1944.

Plant Softball Schedule, Standings, Results

THIS WEEKS SCHEDULE

Tuesday, June 22 — Administration Field, Isotopes vs Fire Department at 5:30 p.m.; Bums vs Dreamers at 7 p.m.; Bird Cagers vs Wolves at 8:30 p.m.

Thursday, June 24 — Administration Field, One-91 vs Wolves at 5:30 p.m.; Maintenance vs Fire Department at 7 p.m.; Guards vs Bldg. 9212 at 8:30 p.m.

Monday, June 28 — Jefferson Junior High School field, Bird Cagers vs Maintenance at 6 p.m.

LEAGUE STANDING

Team	W	L	Team	W	L
Maintenance	6	1	Isotopes	4	4
Calutrons	6	2	Wolves	4	4
Guards	6	2	Bldg. 9212	3	4
Fire Dept.	6	2	One-91	2	6
Bird Cagers	5	2	Dreamers	0	8
All Stars	6	4	Bums	0	9

RESULTS THROUGH JUNE 17

Team	H	H	E
Guards	0	14	0
Bird Cagers	0	0	0
All Stars	0	2	1
Isotopes	0	2	0
Guards	0	0	0
Wolves	0	2	1
9212	0	0	0
Isotopes	0	3	0
Fire Dept.	6	0	2
All Stars	0	5	0
One-91	3	1	1
Dreamers	0	2	4
Wolves	0	0	0
9212	1	0	1
One-91	3	2	2
Bums	1	0	0
Fire Dept	0	2	5
Dreamers	0	2	0

To warm over rolls or biscuits, sprinkle with a little water, place in a paper bag and heat in a quick oven.

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Concluding Chapter Of 'The Soviet Spies' Tells Of Arrest And Fate Of Traitors

(Continued From Page 1)

of the inadmissibility of the acts, was recalled from Canada."

The Soviet statement's attempt to minimize the importance of the information received was interesting. Disregarding the debatable point of whether there was a "more advanced technical attainment in the U. S. S. R." the fact is that an elaborate organization had been set up to obtain information.

Despite the claim that the information on atomic energy could be found in published works, the Royal Commission learned that none of the secret information had been printed at the time it was handed over. If it had been published it would not have been secret. The fact that the information was considered of such great importance by the Soviet espionage chiefs is probably a fair test of its value.

Many documents in the case were never released for publication, for the Royal Commission ascertained that "some of the information is so secret that it can be referred to only obliquely now with the greatest care."

Next to the atomic bomb, the most vital work accomplished by the Western Allies in the technical field was radar. Many of the improvements are still in the top-secret category, and information of the greatest importance in this field was communicated by Soviet agents. ASDIC — anit-submarine detection devices — was another important item. The Royal Commission noted that "much, and possibly all, of the information available in Canada on this subject has been compromised."

Another item of this type was the "V. T. Fuse," the amazing proximity fuse for artillery shells. The wiring details and manufacture are still secret, and although the fuse was first developed in Canada in 1943, the details of its manufacture are known only to the United States. This fuse is the "electro bomb" referred to in some of the Soviet documents, and one of the agents had passed along its wiring diagram.

A great deal of the information sought related to the postwar defense of Canada, the United Kingdom and the United States. The information handed over by such agents as Benning and Gerson falls into this category — production data, location of industries, transportation and planning, fiscal matters. Said the Royal Commission: "Parts of this information could be useful in connection with possible sabotage operations."

On March 2, 1946, the Royal Commission issued its first interim report, which lifted the curtain of secrecy long enough to describe some of the activities of Colonel Zabolin, Emma Woikin, Kathleen Willsher, Gordon Luman and Edward Mazerall. A few days earlier, in London, Inspector Whitehead of Scotland Yard had taken a spin up the Strand to King's College. He arrived as Dr. Alan Nunn May was concluding a lecture on nuclear theory. When the professor had finished, Inspector Whitehead, who was waiting at the door, nodded to him.

"I have in my possession a warrant for your arrest," he said, "I will read it to you in a moment."

Dr. May pursed his lips. "Very well," he said. "I was expecting something like this."

During the months that had passed since his cover name "Alek"

had first been linked with the traffic in atom-bomb secrets, the investigation had turned up other data regarding his activities. Confronted with these documents, Dr. May was hard pressed to explain not only his activities but his motives. Finally he agreed to make a written statement. In it he said: "About a year ago while in Canada, I was contacted by an individual whose identity I decline to divulge. He sought information from me concerning atomic research.

"I had given very careful consideration to the correctness of making sure that development of atomic energy was not confined to the U.S.A. I took the painful decision that it was necessary to atomic energy and make sure it was taken seriously. For this reason I decided to entertain the propositions made to me.

"At one meeting I gave the man microscopic amounts of U.233 and U.235. I also gave the man a written report on atomic research as it was known to me.

"The man also asked me for information about the U. S. electronically controlled A.A. shells. I knew little about these and so could give little information.

"The man gave me some dollars (I forget how many) in a bottle of whiskey and I accepted these against my will.

"Before I left Canada it was arranged that on my return to London I was to keep an appointment with somebody I did not know. I did not keep the appointment because I had decided that this clandestine procedure was no longer appropriate in view of the official release of information and the possibility of satisfactory international control of atomic energy.

"The whole affair was extremely painful to me and I embarked on it only because I felt that this was a contribution I could make to the safety of mankind. I certainly did not do it for gain."

Dr. May's humanitarian motives drew the following rejoinder from Mr. Justice Oliver:

"Alan Nunn May, I have listened with some slight surprise to the picture of you as a man of honor who has done only what you believed to be right. I do not take that view of you at all. How any man in your position could have had the crass conceit, let alone the wickedness, to arrogate to himself the decision of a matter of this sort, when you yourself had given a written undertaking not to do it, and knew it was one of your country's most precious secrets — that you could have done this is a dreadful thing."

A few minutes past 11 o'clock on the evening of March 14, Staff Sgt. Rene J. Noel of the Mounted Police knocked on the door of Fred Rose's apartment in Ottawa.

Rose was at the telephone, talking to a correspondent of a Toronto paper who was asking whether he had been arrested yet.

"No," Rose said, "I have not." He hung up, answered the knock on the door and was immediately taken into custody.

Although documentary and oral evidence linked Rose to many individuals in the spy network, he refused to testify before the Royal Commission or to make any ex-

Y-12 Men Installed As Jaycee Officers

Installation of new officers and board members for the Oak Ridge Junior Chamber of Commerce and Jaycettes was held on June 12 at a buffet supper at Ridge Hall. Homer Hunter, Dept. H12D, was presented the John R. Owen, Jr., annual award as the outstanding board member for the past year.

Retiring Officers Honored

Cliff Henderson, Dept. A13J, the outgoing president, was given a gift in gratitude for his leadership during the past year. Mrs. Ward Foster, wife of Ward Foster, Dept. H12D, the outgoing Jaycette president, also was presented a gift.

Jaycee officers installed, that are employed at Y-12, are Homer Hunter, vice-president of internal affairs; Fred Hurst, Dept. H12D, vice-president of external affairs; Bill Hoover, Dept. H12D, secretary; Cliff Henderson, Leo Hemp-hill, Dept. A12W, and A. K. Bissel, Dept. A13C, board members.

Jaycettes Install Officers

Jaycette officers installed were Mrs. Fred Hurst, vice-president of internal affairs; Mrs. Russell Ralston, wife of Russell Ralston, Dept. A12M, vice-president of external affairs; and Mrs. Cliff Henderson, state director.

John Harding, Dept. H12E, was selected as chairman of the program and social committee, Gordon Lindner, Dept. A12W, as chairman of the attendance and records committee, and Joe Gill, Dept. A12W, as chairman of the safety and fire prevention committee.

Orange Crate Derby Is Set On August 14

The second annual Orange Crate Derby will be held in Oak Ridge on August 14, according to Homer Hunter, vice-president of internal affairs for the Oak Ridge Junior Chamber of Commerce. Richard Reece, son of John Reece, Dept. H12D, last year's winner, will be in the running again this year and will also compete in the Chattanooga derby on June 28.

Any boy living in Oak Ridge and who is between 11 and 15 years of age may enter the derby. Those interested should contact Walt Skraba at 5-5967.

planation of his connections with the case.

From February until June 1946 the Royal Commission was in session. On June 27, after hearing scores of witnesses and reviewing thousands of pages of testimony, their startling findings were made public. In conclusion, the Commission pointed out that, "We have seen only the small selection of Zabolin's espionage documents which Gouzenko was able to collect immediately before he left the Embassy. The documents outlined only the work of the espionage system of Colonel Zabolin, although the evidence discloses the existence of other parallel networks, some of which have been functioning for many years."

The matter of punishment was left for the courts of the realm, and due to the complicated nature of the evidence against each individual it was decided that it would be more expedient to hold separate trials.

Some of the many persons traced by the Royal Mounted were acquitted on the ground of insufficient evidence; others pleaded guilty and still others were found guilty. These proceedings are still continuing.

Only time will reveal whether Gouzenko's documents will cause a change in the Soviet tactics of using a diplomatic establishment to recruit a fifth column in a friendly state. In this connection Gouzenko stated: "The last telegram asked about the natural resources that Canada could mobilize in case of war, her coal, oil, rare metals, and so on."

From the cold, dispassionate viewpoint of global strategy the interest of the U. S. S. R. in Canada is obvious. The Dominion lies on the forefront of the transpolar air route between the United States and the Soviet Union.

Additions To Y-12 Technical Library

PHYSICS

QC 125—Slater and Frank, "Mechanics." First edition. N.Y., McGraw-Hill, 1947. 295 pages.

QC 518—Slater and Frank, "Electromagnetism." First edition. N. Y., McGraw-Hill, 1947. 240 pages.

Periodical—"Physics Today," beginning with May, 1948 issue.

TECHNOLOGY

TD 153—Brandt, Allen D., "Industrial Health Engineering." N. Y., Wiley and Sons, 1947. 395 pages.

TJ 265—Planck, Max, "Treatise on Thermodynamics." Third edition. N. Y., Dover Publishers, 1925. 297 pages.

TK 7815—Ryder, John D., "Electronic Engineering Principles." N. Y., Prentice-Hall, 1947. 397 pages.

TK 9145—Campbell, John W., "The Atomic Story." N. Y., Henry Holt and Co., 1947. 297 pages.

TN 9 Ref.—Peele, Robert, "Mining Engineer's Handbook." Vol. I and II. Third edition. N. Y., Wiley and Sons, 1947.

TP 363—Chapman and Hall, "Heat-Treaters: Fundamental Principles and Applications of Induction Heating." London, Chapman and Hall, 1947. 147 pages.

TP 684.S—McKee, Ralph H., "Shale Oil." N. Y., Chemical Catalog Co., 1925. 326 pages.

TP 986—Brown and Harris, "An Introduction to Engineering Plastics." N. Y., Murray Hill, 1947. 274 pages.

MISCELLANEOUS

Periodical — "Bulletin of the Bureau of Standards". Vol. 3, 1907.

Periodical — "Technological Papers of Bureau of Standards". Vol. 16, 1923.

'Classic Of Links' Was Set Sunday

What might well turn out to have been the Classic Of The Links for 1948 was scheduled to have been played Sunday when a quartet of Y-12 golfers accepted a challenge from four linksmen of the Oak Ridge Production Division of the Atomic Energy Commission.

Representing Y-12 in this crucial clash was to have been Dr. C. E. Larson, Ed. Cain, Doug Lavers and "Sky" Barker. In the challenger's corner were listed Ned Williams, J. C. Robinson, Bill Enders and Hank Ford. The victors promised to report full details of the battle to The Y-12 Bulletin in time for publication this week.

She Was Right— Knocked Out Cold

Harold Fraulov, auto driver's license examiner in Redlands, Calif., commanded Mrs. Faydean Schultz, 29, to turn right shortly after he and Mrs. Schultz began the test. She did—right into a telephone pole. She was knocked unconscious and Fraulov went through the windshield. She flunked.

Heat Exhaustion Aided By Salt Pills

(Continued from Page 1)

mended use is one tablet with a full glass of water several times a day for persons who perspire moderately; for those who perspire continuously two tablets three or four times a day with plenty of water and for profuse perspiration two tablets should be taken four to six times per day with plenty of water. The tablets always should be swallowed whole and not chewed.

Symptoms Of Heat Exhaustion

First symptoms of heat exhaustion are dizziness, nausea, clammy skin, profuse perspiration, chilliness and often cramps. In addition to proper use of the salt tablets, some other common sense measures of prevention include:

1. Keep the body clean by frequent bathing.
2. Wear light and loose clothing.
3. Eat more vegetables and fruit and less meat in hot weather.
4. Do not overeat.
5. Citrus fruits are helpful to health in hot weather.
6. Keep regular personal habits.
7. Do not use strong alcoholic drinks.
8. Cool water, not ice water, is best for drinking.
9. Get plenty of sleep and rest.
10. Consult a physician if suffering from diarrhea, nausea or other ill feeling.

48-Hour Days Are Predicted By Scientists

Now you have fair warning. General Electric scientists, according to recent news dispatches, declare the world is slowing its rotation and that the day eventually will be 48 hours long. However, there is no need for any immediate concern over changing of clocks or working habits as the scientists say the days are lengthening only about 1/1,000 of a second each century.

This, the scientists predict will in some millions of years hence result in the length of a day and month being the same and equaling about 48 of the present days.

So you don't have to hold your breath or buy a new calendar just now.

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital last week: Betty Jane Sherman, Dept. B12L; Elizabeth Louise Hall, Dept. H12L; Archie D. Douglass, Dept. A16N; Mary Sue Williams, Dept. A12A; Reba M. Justice, Dept. H12D; Mallie J. Akers, Dept. A17N; Freeman K. Byrd, Dept. A12G; David C. Shephard, Dept. A14J; A. B. Campbell, Dept. M13P; Clifford Herrell, Dept. A16N.

SWIFT CANADIAN JUSTICE HANDED OUT TO TRAITORS INVOLVED IN RED SPY RING

Although a few persons involved in the activities of the Russian espionage net in Canada escaped capture, swift justice was meted out by Canadian courts to principals in the ring. Listed below are the outstanding dupes of the Soviets, their code names and sentenced meted out.

Name	Code	Trial	Sentence
Dr. Alan Nunn			
May	"Alek"	pleaded guilty	10 years
Fred Rose	"Debouz"	found guilty	6 years
Emma Woikin	"Nora"	pleaded guilty	3 years
Kathleen Willsher	"Elli"	pleaded guilty	3 years
H. S. Gerson	"Gray"	found guilty	5 years
J. S. Benning	"Foster"	found guilty	5 years
D. G. Luman	"Back"	found guilty	5 years
E. W. Mazerall	"Bagley"	found guilty	4 years
Durnford Smith	"Badeau"	found guilty	5 years