



Y-12 BULLETIN

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

Volume 3, No. 13

OAK RIDGE, TENNESSEE

Tuesday, April 5, 1949



Isotope Program Of Y-12 Praised By Dr. Bacher

Praise of the program for production and distribution of stable isotopes by Y-12 was voiced by Dr. Robert F. Bacher, member of the Atomic Energy Commission, in an address that concluded the two-day Spectroscopy Symposium held in Y-12 March 25 and 26. Other visiting scientists added their congratulations to the research work being done here as the symposium was pronounced one of the most interesting and valuable of its kind ever held from the standpoint of exchange of ideas and information.

AEC Objective Given

In his address in the Y-12 cafeteria following the banquet that was the principal social event of the symposium, Dr. Bacher stated that the primary objectives of the Atomic Energy Commission operations are weapons, fissionable materials, isotopes and energy. Referring to the stable isotopes produced in Y-12, Dr. Bacher declared that they are of extreme importance to the commission because of their use in fundamental research pertaining to the nucleus.

Among the many other compliments paid Y-12 came from William F. Meggers, of the National Bureau of Standards, one of several prominent visiting scientists attending the sessions. Dr. Meggers expressed pleasure and interest in the availability of separated isotopes for the determination of fundamental properties of the elements. He indicated that a great deal of experimentation now is possible to contribute to a more complete understanding of some of the nuclear properties.

All Sessions Held In Y-12

The symposium was the first of its kind to be sponsored by Carbide and Carbon Chemicals Corporation for its three Oak Ridge facilities. All of the sessions were held in Y-12 and a number of Y-12 personnel were members of various committees arranging the affair.

Dr. S. C. Lind, of K-25, was general chairman of the symposium. L. E. Burkhart, of Y-12, was chairman of the arrangements committee; Dr. J. R. McNally, Jr., was chairman of the program committee; and Dr. C. E. Larson, Y-12 Superintendent, was member of the executive committee. Other Y-12ers on the general committee included Dr. C. P. Keim, and Dr. E. D. Shipley.

Y-12 Cooperation Is Cited

As chairman of the arrangements committee, Burkhart was (Continued On Page 2)

Picture Contest Set By Camera Club

A black and white photographic print contest on the subject of portraits will feature the monthly meeting of the Carbide Camera Club at 7:30 o'clock next Tuesday night, April 12. The meeting will be held in the Camera Club quarters in the Y-12 East Portal building. Friday Deadline For Entries

Deadline for submitting prints in the contest will be Friday, April 8. The prints may be left at Taylor's Photo Shop or at the home of Nat Stetson, of Y-12, vice president and program chairman of the club. He lives at 105 West Magnolia Lane.

Entries are limited to three per person and should be of a minimum size of eight by 10 inches and mounted on a vertical 16 by 20 inch mount. The negatives should be of less than one year of age and information as to name of entrant, camera used, exposure, lighting, film and developer, paper and developer and toner, if any. Each entry should have a title.

Thompson Gave Demonstration

The Camera Club members entering prints in this meeting probably will make use of information given the club at its January meeting by Robin Thompson, former Y-12 employee and now a commercial photographer at Fountain City. At that time Thompson gave instructions on lighting, posing and different phases of portrait photography.

BANDSTAND MAKES HOME

A recent news story from Marathon, Wis., told how Mr. and Mrs. John Coates built their own home from a band shell bought for \$15 and parts of old barns nearby. His only helpers were a plumber and furnaceman, working part of one day.

Y-12 Photos By Vince Moore

SOME OF THE HIGHLIGHTS OF THE RECENT SPECTROSCOPY SYMPOSIUM HELD IN Y-12 are pictured above. No. 1—George R. Harrison, Massachusetts Institute of Technology, standing at right, is addressing the banquet in the Y-12 cafeteria. No. 2—Norman H. Nachtrieb, of the University of Chicago, standing extreme right, is approaching the rostrum to address one of the symposium sessions with Wallace R. Brode, of the National Bureau of Standards, who presided at the session, immediately behind him. No. 3—Dr. Robert F. Bacher, member of the Atomic Energy Commission, left, is interested in a display at the symposium which is being explained by L. E. Burkhart, center, of Y-12. Between Dr. Bacher and Burkhart is A. H. Holland, of the Oak Ridge Directed Operations of the AEC; while Dr. E.D. Shipley, also of Y-12 is at the extreme right. No. 4—The registration staff for the symposium is shown in this picture. Back row, from left, are Louise Hall, Cora Brundage, Jo Goodson, Edna Nicely and Teresa Pierce, the latter from K-25. In front are Graham Rudolph and Jean Brownfield. No. 5—Here is Dr. Bacher, photographed just before making his address following the symposium banquet.

Observance Of New Traffic Signs Being Placed In Y-12 Is Urged

New "stop" and "slow" signs are being erected along streets in Y-12 for the protection of drivers and pedestrians alike in the plant area.

The new signs are placed at strategic positions where traffic is heaviest. They were designed and fabricated in Y-12 and have luminous letters to make them easily visible at night.

Attention of drivers in Y-12 is called to the fact that there are no speed limit signs now in the plant area. However, it is pointed out that the speed limit within Y-12 limit is 25 miles per hour.

In the future drivers approaching a "slow" sign are cautioned to reduce speed to below 25 miles per hour and be in a position to stop on an instant's notice.

Observance of the "stop" and "slow" signs and all other traffic regulations in the plant area is urged so that the excellent traffic safety and general safety record in the Y-12 area may be maintained.

Westinghouse Sets Atom Power Work

The new atomic power division of the Westinghouse Electric Co., has begun operations on the site of the former Bettis Airport, near Pittsburgh, Pa., according to the Wall Street Journal. The division started operations with only 70 employees but expected to double its size shortly afterward and have a personnel of about 600 by the end of the year.

Instrument Society To Hear R. N. Pond

R. N. Pond, of the application engineering department of the Taylor Instrument Co., Rochester, N. Y., will speak at a meeting of the Oak Ridge Section of the Instrument Society of America, set for 7:30 p.m., Wednesday, April 6. Pond's demonstration-lecture will be on the subject, "Basic Industrial Process Control Principles," and all Y-12 employees interested in work of the society are invited to attend.

The lecture will deal with selection of correct control instruments for certain problems. By means of demonstration equipment the speaker will describe the three basic control responses and their effects of the control of a process. Pond has presented his demonstration-lecture to several technical groups throughout the country during the past year.

Pond graduated from Clarkson College of Technology, Potsdam, N. Y., in 1941 with a bachelor of chemical engineering degree. He immediately joined the Taylor firm and has held his present position for the past seven years. He is a member of the American Institute of Chemical Engineers, the American Chemical Society and the Instrument Society of America.

Bell Will Address Session Of Joint Physics Seminar

P. R. Bell, of the Oak Ridge National Laboratory, will address the weekly meeting of the Oak Ridge Joint Physics Seminar at 4 o'clock Friday afternoon April 8, in the East Lounge of the Ridge Recreation Hall. His topic will be "Scintillation Counter Spectrometer and The Beta Spectrum of Be10.

The speaker will explain the scintillation counter as spectrometer for measuring energies. With such a spectrometer the beta spectrum of Be10 has been measured. This spectrum is of special interest because, in view of the very long half-life of the Be10 nucleus more information is known about most radioactive nuclei.

CONVENIENT CRASH

Two motorists in Memphis recently selected a convenient location for an automobile crash. A speeding car hit a parked taxi and the vehicles came to rest in front of a hospital door.

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Plant Absentee Mark Shows Slight Drop

Although only two departments in the plant reported perfect attendance marks for the week ending March 27, the plant absentee record as a whole showed a slight decrease for the period of .1 per cent, dropping to 3.1 per cent. Two Departments Perfect

The two departments with no absences recorded for the period were Dept. M12M, Material Control; and Dept. A12T, Automotive Repair Shop, both in the Minor League. They jumped from eighth and ninth places held the previous recording period.

Slipping into second place in the Minor League was Dept. A12W, Plant Engineering, with an absentee figure of only .6 per cent. This department climbed from 10th place. Third place went to Dept. B12A, Superintendents, which had an absentee record of an even one per cent. The Superintendents dropped from a tie for first place held for the week ending March 20. Major League Lead Reshuffled

In the Major League the same three departments held the top three places in the standings but with some reshuffling. Dept. A20N, Field Maintenance, climbed from third place to first by showing an absentee mark of only .3 per cent. Dept. A14N, Electrical Equipment Repair and Maintenance, dropped from first place to second and had an absentee mark of an even one per cent. In third place for the week ending March 27 was Dept. A12S, Receiving Stores and Shipping, with an absentee mark of 1.3 per cent. This department held second place the previous week.

The complete absentee record for Y-12 by departments for the week ending March 27 follows:

MAJOR LEAGUE More than 50 Employees Scheduled			
Dept.	Absent Percentage	3-27-49	3-20-49
A20N	0.3	1	3
A14N	1.0	2	1
A12S	1.3	3	2
H12L	1.4	4	5
A16N	1.9	5	4
H12E	2.4	6	1
A12G	3.47	7	8
B12L	3.50	8	11
H12D	3.55	9	7
M12P	3.59	10	6
B13L	3.9	11	10
A17N	5.1	12	9

Group absentee percentage was 2.7 per cent, .6 per cent lower than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled			
Dept.	Absent Percentage	3-27-49	3-20-49
M12M	0.0	1	8
A12T	0.0	1	9
A12W	0.6	2	10
B12A	1.0	3	1
A12N	1.1	4	1
A19N	1.4	5	1
A13T	3.1	6	7
A12D	3.3	7	2
M15P	3.7	8	5
A12A	5.1	9	3
A12R	5.2	10	11
A13N	5.4	11	13
M12S	5.6	12	6
A13W	5.9	13	4
A14J	6.3	14	12
A12M	7.7	15	14

Group absentee percentage was 3.9 per cent, 1.0 per cent higher than the preceding week.

The plant average for the week ending March 27 was 3.1 per cent, .1 per cent lower than the preceding week.

BETTER THAN NOTHING?

Foiled in a hold-up attempt by an alert theater cashier in Salem, Mass., the frustrated robber turned to a man behind him in line and grabbed a \$10 bill and fled, according to a recent news dispatch from that city.

Question: Why is a wolf like a synthetic detergent?
 Answer: Because he works fast and leaves no ring.



Miss Lillie Clas



COBBLE—CLAS

John M. Herrington, of East St. Louis, Ill., announces the engagement of his sister, Lillie Clas, Dept. A12D, to Ernest Cobble, Dept. A17N. The wedding will take place April 8 with the Rev. Robert R. Sala officiating.

Bulletin Pieces Fall Into Wrong Places—So Sorry

No foolin'—good readers of The Y-12 Bulletin—the editor wasn't foolin' around while putting the pieces together in the issue of Tuesday, March 29. However, a couple of those pieces got into the wrong places—inadvertently but nevertheless embarrassingly.

On Page Two identification lines under pictures of the two married couples were switched. So our heartfelt apologies to Mr. and Mrs. J. M. Googin Jr., and Mr. and Mrs. F. E. Whitlock for the unintentional error.

Also on Page One we neglected to give credit to Howard Phillips, K-25 photographer, for the excellent picture of Clark Center, General Superintendent of Carbide installations in Oak Ridge; Dr. G. T. Felback, vice president of Carbide and Carbon Chemicals Corporation; and Dr. J. G. Davidson, president of Carbide and Carbon Chemicals Corporation and vice president of Union Carbide and Carbon Chemicals Corporation. The picture was furnished The Y-12 Bulletin by the Carbide Courier.

Isotope Program In Y-12 Praised By Dr. R. H. Bacher

(Continued From Page 1)

given assistance by a number of other Y-12 employees. The chairman stated last week he wishes to acknowledge the fine cooperation of the many persons in the plant who materially contributed to the success of the symposium. He particularly cited G. B. Tucker for providing ample transportation and George McNamee, Cafeteria Superintendent, for the banquet arrangements and fine food served; and W. L. Morgan, of Engineering, for putting the meeting room in the cafeteria in shape for the sessions.

In addition to the Y-12 members of the general committee in charge of the symposium, committeemen from other Carbide facilities in Oak Ridge included F. W. Hurd, C. K. Beck, R. H. Lafferty, Jr., J. H. Rogers and J. S. Kirby-Smith, all of K-25; and E. J. Murphy, D. C. Bardwell, M. T. Kelley and C. Feldman, of the Oak Ridge National Laboratory. The Oak Ridge Directed Operations of the Atomic Energy Commission also was represented on the general committee.



Dept. A17N extends a speedy recovery wish to C. B. Hopkins, who underwent an appendectomy at the Oak Ridge Hospital recently. Deepest sympathy is extended to Lavelle Thompson, Dept. H12E, who attended the funeral services of her brother whose body was shipped to Camden, Tenn., from Okinawa last week.

Conrad McPeters, Dept. A12G, is vacationing this week. Sympathy is extended to P. E. Gipson on the death of his father. Chief M. F. Bradford and his wife were en route from Nashville when their car collided with another. Both Bradford and his wife were pretty badly shaken up but are recuperating fast. J. T. Byrun and his wife are the proud parents of a baby boy, John Calvin, weighing eight pounds and twelve ounces, born March 25 in Loudon Hospital.

Jack Garland, Dept. A12S, and his son, and grandson, Jacky, along with Joe Evans, Dept. A12S, and Harold Miller, Dept. A17N, took a fishing trip to Cherokee Lake recently and returned with the bacon, or rather the fish. At the end of the day the fishermen had caught 29 crappie and three nice size bass. Paul Snodgrass and his family had as recent guests his parents from Johnson City, Tenn.

H. P. Ratjen, Dept. B12A, has been spending his spare time of late trying to improve his yard by planting flowers. He has just finished replanting 400 pansies—Oh! my aching back.

T. D. Doyle, Dept. A13S, made a pleasure trip to Chicago recently.

Anna Mae Wagner, Dept. A19N, made a recent week-end trip to Nashville to visit her daughter, Norma Lee. Lillian Hamlet had as recent week-end guests Dorothy and Jewel Brantly, of Cumberland Gap, Tenn.

Dept. B12L extends a speedy recovery wish to Edna Rhea, who continues ill at her home in Morristown.

Quite a number of youngsters of Y-12 employees are members of the Oak Ridge High School band that won top rating in the Central East Tennessee High School Band and Orchestra contest in Knoxville last week. Among them are Vivian McKenzie, daughter of T. A. McKenzie, Superintendent of Plant Protection; and Jo Ann Hamrick, daughter of Pat Hamrick, of the Employment Office.

Joe Preslar, former Y-12er now at K-25, and his wife, the former Esther Swisher, who used to work in the Y-12 Recreation Office, have announced the birth of a baby girl who arrived last Friday. The new arrival has been named Sharon.

Edwinna Shaffer, Dept. B12L, visited her home in Pulaski, Va. We wish a speedy recovery to Elva Joyce, who continues ill at home in Knoxville. Johnny Nelson, former Y-12 employee in Dept. B12L, now living in Charleston, W. Va., visited friends in Oak Ridge recently.

Phyllis Finneran, Dept. A12P, and her sister, Joan, of St. Paul, Minn., who has been visiting her since March 11, spent the week end of March 20 at the Sheraton Plaza Hotel in Daytona Beach, Fla.

W. K. Prater reports a new addition to the Prater family, a baby boy, William Kyle, weighing seven pounds, born March 27 at the Jefferson City Hospital.

Doris Moore, Dept. A12L, spent a recent week end at Gatlinburg. Avo Hammon visited her parents in Jamestown, Tenn. Robert Cantrell and his family motored to Sylva, N. C.

Jesse Durrett, chef in the Y-12 cafeteria in Dept. A12R, and a friend went fishing at Douglas Dam recently and returned with a creel of 16 fish. The welcome mat is out to Samon J. Myers, Jr., who is back on the job after an extended illness.

L. H. "Sky" Barker was called to Kingsport last week because of the illness of his brother, Bob, former Y-12er. We extend get well wishes.

Ernie Bentley, Dept. A13J, and his family visited with friends and relatives in Union City, Tenn.



Y-12 Photos By Vince Moore

SEVERAL Y-12 EMPLOYEES TAKE ACTIVE PART IN the appearances of "The Melodeers" quartet, which has been heard over Radio Stations WATO, of Oak Ridge, and WIBK, of Knoxville, during the past several months. Members of the quartet, pictured above, are Bill Coggins, Dept. A12S in Y-12, first tenor; Johnny Gregg, baritone, Atomic Energy Commission employee; David Gentry, bass, Carbide employee at K-25; and Jennings Moses, second tenor; also an AEC employee. The accompanist is Miss Mona Moneymaker, of Knoxville. S. G. Fouts, Dept. A21N in Y-12, is president of the Oak Ridge Community Singing group with which the quartet appears every Thursday night at 7:30 o'clock in the West Chapel at Grove Center. Yale Payne, also of Y-12 in Dept. A12M, writes and arranges many of the songs offered by the quartet and composed both words and music of the theme song now being used by "The Melodeers" on both their radio programs. The quartet is heard each Saturday over WIBK from 8 a.m. to 8:30 a.m. and over WATO every Sunday from 9 a.m. to 9:30 a.m.

Cancer Society To Hold Ridge Drive In April

The Anderson County Unit of the American Cancer Society will hold its 1949 annual fund campaign during the month of April with a county goal of \$9,000. Of this amount the quota for Oak Ridge is \$6,000 according to Will Cole, chairman of the drive for the Anderson County Unit.

In addition to the money used in Oak Ridge for treatment of cancer patients, a portion of the funds



AMERICAN CANCER SOCIETY

raised in the city will go to the support of the state and national cancer organizations for education, research and other special projects.

The American Cancer Society nationally hopes to raise at least \$14,500,000 during its 1949 campaign. The society points out that nearly 200,000 Americans die every year of cancer. It is claimed that more than 65,000 of these victims could be saved by early diagnosis and prompt treatment with radiation and surgery.

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital recently: Clarence H. Jewell, Dept. A12G; Charles B. Hopkins, Dept. A17N; Betty Jane Sherman, Dept. B12L; Effie W. Tindall, Dept. B12L; Willie T. Cale, Dept. A12A.

Additions To Y-12 Technical Library

MATHEMATICS
 Practical Analysis; Graphical And Numerical Methods. Fr. A. Willers. Translated by Robert T. Beyer. N. Y., Dover Pubs., c1948. QA 300, W 712.

PHYSICS
 Gas Tables. Joseph H. Keenan and Joseph Kaye. Wiley, c1948. QC 319, K 26.
 Nuclear Fission and Atomic Energy. William E. Stephens, editor. Lancaster, Pa., Science Press, c1948. QC 173, S 835.

CHEMISTRY
 Chemical Calculations. J.S. Long and H. V. Anderson. 5th edition. McGraw, c1948. QD 33, L 848.
 Ephriam's Inorganic Chemistry. P. C. L. Thorne and E. R. Roberts, editors. 5th Edition. Interscience, 1948. QD 151, E 64.
 Organic Reactions. Roger Adams, editor-in-chief. Vol. 4. Wiley, c1948. QD 258, O 68.

GENERAL SCIENCE
 Scientists Against Time. James Phinney Baxter, III. Boston, Little, Brown and Co. c1946. Q162, B 355.

TECHNOLOGY
 Copper and Copper Alloys. Owen W. Ellis, Cleveland, Ohio, American Society for Metals, c1948. TN 780, E 47.

Distillation and Rectification. Emil Kirschbaum. Translated by M. Wulffinghoff. Chemical Pub. Co. c1948. TP 156, D5, K 61.

INDUSTRIAL RELATIONS
 Company-Wide Understanding of Industrial Relations Policy. Helen Baker. Princeton University, c1948. HF 5549, B 168.

Store Buildings Will Be Painted

Commercial buildings in nine areas of Oak Ridge will receive new coats of paint on their exteriors within the next few months. The Roane-Anderson Co. has asked for bids on the work and the proposals will be opened April 25. A total of 150 calendar days will be allowed for completion of the work.

Meanwhile bids will be opened April 7 for painting 1,635 Cemesto dwelling units and on April 14 for exterior painting of approximately 125 apartment buildings.

Bride: "What is the best way to protect my wedding ring"
 Mother: "Dip it in dishwasher three times a day."

SPORTS NEWS

Termites Chew Opposition To Win Pin Tournament Of Champions

In Y-12's Tournament of Champions to determine the title-holders among the winners in the four plant bowling leagues for men the Termites, of the D League, took top honors in stiff competition. The event was held March 29 at Midtown alleys and for all purposes was a tournament to end all tournaments for the winter season in Y-12.

Cuemen Threaten To Take League Lead

The lead of the second half of the season in the Oak Ridge City Pocket Billiard League hung in the balance Sunday night, April 3, when the Y-12 cuemen crossed sticks with the league-leading Roane-Anderson team. The Y-12ers needed five points out of six to go into a tie for first place. Prior to this clash the Y-12 sharks were tied with K-25 for second place in the loop with 41 points on the credit side of the books to 37 lost. Last Clash Against K-25

After the clash with Roane-Anderson last Sunday night the Y-12 sharp shooters are scheduled to take on K-25 in the final regularly scheduled contest in the second half of the season. This engagement is scheduled for next Monday night, April 11.

If Y-12 can overcome the Roane-Anderson outfit and then trounce K-25 by a sufficient number of points the second half of the season championship can be brought home by Capt. M.C. Wiest's lads. However, if they fail, the Y-12ers will meet the victors in the second half play for the season's title as Y-12 copped first half honors.

Y-12 Whitewashes ORNL

The cuemen of Y-12 stepped into the contending place in the standings by handing the Oak Ridge National Laboratory a six-point whitewashing March 27. Three games were won in table combat and two by forfeits and Y-12 also had a 225 total of balls against 188 for ORNL. The Y-12 victories were taken by W. C. Walker over Hurt 75-74; W. B. Motley over Massie 75-58 and Weist over Snapp 75-56. C. E. Harris and C. L. Stevens won for Y-12 without chalking a cue as ORNL opponents failed to show up.

Ask your Supervisor if in doubt as to your security duties.

The Termites chewed their way to victory by winning 10 points while losing only two in the round robin event. The Rippers, B League champions during the regular season, finished second with a seven points won and five lost mark. In third place were the Cherry Pickers, of the Dept. H12L loop, who plucked five points while losing seven. Trailing were the Materializers, of the C League, who could amass but two points while losing 10.

Cobble Bags 566 Series

Ernie Cobble, one of the most consistent pinmen in Y-12 with good scores, topped the scratch series scores for the night with a fine 566. He rolled for the Termites. Bill Prater, of the Cherry Pickers, with a handicap of 39, used it to advantage to score the best series handicap total of 670 pins. Al Groppe, pitching for the Rippers, posted the best high sin-221. High handicap single game honors were divided by Buck Buckminster, of the Termites, and his teammate, Tommy Swindel, both who emerged with a 241 tally. Successful Season Concluded

The Tournament of Champions concluded another successful bowling season under auspices of the Y-12 Recreation Office. During the long grind four leagues for men and one for women were operated with a total of 32 men's teams and six women's teams manning the alleys. A plant-wide tournament was held with the Wolves, of the B League, taking first team honors and Frank Gragg, member of the team, winning top individual honors. Every member of a winning club in each of the five leagues and top bowlers in the tournament were awarded trophies as mementoes of their efforts during the season.

DOG GONE TAXES

A recent news dispatch from Warsaw, Ind., tells of "progressive taxes" assessed dog owners of that community. Owners pay \$5 for one dog, \$7.90 for the second and \$10 for the third.



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Y-12 Photos By Vince Moore

HAPPY LITTLE HI BALLS ARE THESE GIRLS—BUT DON'T GET US WRONG—THEY ARE members of the bowling team of that name that captured seasonal honors in the plant league of women bowlers by defeating the Dodgers in a roll off. At left, League Secretary Evelyn Frazier has just finished presenting individual trophies to members of the winning team. The bowlers, from left, are Maggie Beckner, Maola Conner, Mabel Tyer and Ruth Law.

Hi Balls Bubble To Women's Loop Pin Title By Defeating Dodgers

The Hi Balls effervesced right to the seasonal championship of the women's plant bowling league in the roll off for the championship staged last Tuesday night at the Jefferson alleys. The Hi Balls, champions of the first half of the season but roosting at the bottom of the league standings in the second half of play, knocked off the Dodgers in two straight games for the title. The Dodgers had walked away with second half of the season honors. Winning Team Gets Trophies

Each member of the winning team received a handsome trophy with the presentation being made by Evelyn Frazier, league secretary.

The triumphant Hi Balls posted handicap scores of 767 and 776 in the two games as against 685 and 692 for the losers. The scratch scores for the two teams were 543 and 552 for the Hi Balls and 442 and 449 for the Dodgers. Maola Connor Has High Game

Maola Connor rolled the high handicap single game of the roll off with 225, scoring a scratch 166 game after a faltering 98 in her opening attempt for a 264 two-game scratch total. Ruth Law put together scratch games of 155 and 129, which with handicap gave her high score of 390 for the two games. Other scratch scores of the victors included Mabel Tyer. 138 and 127—265 and Maggie Beckner 152 and 130—282.

Scores for the Dodgers include Ruth Elder 112 and 131—243; Mildred Johnson, 117 and 118—235; Ann Wiggins, 94 and 101—195; and Dorothy Ditty, 119 and 99—218.

Horseshoe Pitchers In Y-12 Called To Meeting Friday

The horseshoe pitching folks who come out every spring to fling at the iron pegs are going to have their activities placed on a plant-wide basis this season. The Recreation Office is making plans to form a league and a ladder tournament for all players in the plant.

An organizational meeting for the league has been scheduled for 3 o'clock Friday afternoon in the Y-12 Recreation Office, North Portal. Every court of the many in action throughout the plant is urged to select a representative to attend the meeting.

In addition to the plant league and the ladder tournament it is hoped to form a plant team to represent Y-12 in an Oak Ridge city league.

HANDY HAIRPIN

A hairpin worn by Ann Nugent, 14, Syracuse, N. Y., came in handy recently. According to a news story from Syracuse Police Lieut. George Easterly used the hairpin to unlock handcuffs in which Ann had become entangled.

Formation Of Golf League Set Thursday

Organization of a Y-12 plant golf league, something new in Y-12 recreation circles, will be perfected at a meeting set for noon, Thursday, April 7, in the private dining room of the plant cafeteria. Interest In League Grows

Since announcement last week that formation of a plant golf league was planned by the Recreation Office, interest among the many divot diggers in Y-12 has steadily grown. All players, regardless of past scores or ability, are urged to attend the Thursday meeting.

Officers for the league will be elected at the meeting Thursday, and a constitution and by-laws will be discussed.

Plant Holds Golf Trophy

In the past golf play in Y-12 has been held on a ladder tournament play basis with plant-wide tournaments being held occasionally. A plant team also has been formed to meet teams from other Oak Ridge organizations and at present this team holds a trophy won in competition with K-25, the Oak Ridge National Laboratory, Roane-Anderson and other teams. Y-12 needs but one more triumph to permanently retire this trophy.

A plant team to defend this trophy soon will be selected and a date named for the competition.

Case Betatron Draws Praise

Nathan Strauss, of the Atomic Energy Commission, in dedication exercises at the Case Institute of Technology, Cleveland, Ohio, recently, declared that the new betatron at Case will be of such assistance to research that the cost of the machine will be the best money ever spent in Cleveland. A. Tammaro, manager of the Chicago Operations Office of the AEC, announced at the dedication that the AEC is entering into a two-year contract to support anticipated research work at the institute.

Checker Tournament Set For Wednesday

Considerable interest is being shown in the Y-12 plant-wide checker tournament scheduled for 7 o'clock Wednesday night, April 6, in the plant Recreation Office, North Portal. As a result a large number of players are expected to report to compete in the event.

No advance entry is required and there will be no fee charged to participate. Players possessing good boards and checker sets are requested to bring them along but this is not a requisite for entering the event as Recreation Director Arnold Tiller has reported he has considerable equipment on hand. Play will be by brackets with position determined by draw just before the tournament opens. The winner will be determined by a matter of elimination.

Although it is not necessary that a player enter the tournament in advance, Tiller says he would like to have prospective entries communicate with him at the Recreation Office, telephone 7-8252.

Little Rock Taxes Radio Air Waves

A recent news dispatch from Washington indicated that the city of Little Rock, Ark., is doing some figuring on how to get revenue out of the air waves.

Little Rock City Attorney T. J. Gentry told a conference of municipal law officials that his city had worked out a legal "gimmick" for taxing radio stations in its borders. The Little Rock law puts a tax on the "generation of voice-carrying electro-magnetic waves" and its sponsors believe it will hold up in court.

Softballers Will Discuss Plans For Season At Meeting Thursday

Softball enthusiasts in Y-12 will get their first times at bat this season at an organizational meeting set for 3 o'clock Thursday afternoon, April 7, in the Recreation Office, North Portal. With several inquiries already having been made from players interested in forming teams it is believed that prospects for a strong plant league this season are bright.

At the meeting Thursday attendance of a representative of every department or group in Y-12 planning to field a team is urged. It is hoped that a sufficient number of outfits will be represented so that it can be determined just how many teams can be expected to join the plant league. General plans for the season also will be discussed. Recreation Director Arnold Tiller hopes to be able to announce soon what fields will be available for practice sessions.



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Y-12 Photos By Vince Moore

BADMINTON PLAYERS OF Y-12 WHO MADE AN EXCELLENT showing in Oak Ridge competition are shown above. In the rear from left are Fred Hurst and Joe Culver. Standing are Spence Wallace and his wife, Marjorie. Then comes Phyllis Wallis and Mal Wallis. Team members not present when the picture was made include Tony and Lorraine Vallado, Ann Gwaltney and Don Ward. The team finished second in the Oak Ridge City League, just behind the Oak Ridge National Laboratory. Then in tournament play some player reached the semi-finals in all events. Ann Gwaltney and Lorraine Vallado won the women's doubles and Mal Wallis was barely nosed out for the men's singles championship by M.D. Peterson, of ORNL.

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Papers Support President's Stand For Security Surrounding Atomic Bombs In Nation

President Harry Truman's recent strenuous opposition to making public the number of atomic bombs produced in the United States has received widespread support by newspapers and writers throughout the nation, a recent survey of reaction to the stand of the Chief Executive has revealed. President Truman announced his stand at a press conference and said that the subject is not one for public discussion. He added that David E. Lilienthal, chairman of the Atomic

Energy Commission, had made no suggestion that information on the number of bombs be announced and Sen. Brien McMahon, of the Congressional Atomic Energy Committee, stated at the same time that he at no time had suggested that the size of the bomb stockpile be released until a decision to do so is made after a long and thorough examination of the question.

The stand of the President on secrecy on the number of bombs stockpiled by the United States and the endorsement of newspapers throughout the country is a reflection of the general security program of Y-12 and other AEC installation. This program is aimed at protecting all restricted data by throwing safeguards around all verbal and written communications on the subject of atomic energy operations in the plant. The plant security program and the reaction of the press of the nation indicates the vital importance with which the problem of national security is held.

Following announcement by the President on his firm stand on the security problem of announcing the number of bombs on hand, came a quick series of endorsements from

all parts of the country. Here are a few of the stands taken by papers:

Philadelphia Inquirer--Upholds the President's flat opposition to disclosing the number of atomic bombs now possessed by the United States and contends that it is in line with the sound view that such disclosures would do nothing but jeopardize the nation's security.

Hartford (Conn.) Courant--Maintains that an easy answer to Senator McMahon's question as to releasing information on number of atomic bombs would be to say that we should hush up everything, but that such an attitude would not solve the problem. Feels that secrecy surrounding atomic development is making it difficult to formulate policy and legislation but that we shall have to put up with it until fear of atomic destruction is lifted from mankind. Claims that un-cooperative countries have pushed that happy day into the indefinite future.

Memphis (Tenn.) Commercial Appeal--Considers debate over secrecy as regards atomic information and sees much merit in suggestion of Sen. Tom Connally that the

"If I Had It To Do Over"

Union Carbide's president digs into his career to list some constructive and practical suggestions for those eager for high success

By FRED H. HAGGERSON

(As told to Homer H. Shannon)

I'm not among those who have a ready answer for any and all questions. Life and living are much too complex to admit of such simplicities. But if there is one thing I am sure of it's that what is called business success is largely a product of the individual having made the most of his opportunities for self-improvement.

By self-improvement I mean perfecting the tools which make for effective living—the ability to think straight and an understanding of human nature.

If I have any regrets about my own business past, they have to do with opportunities for improving my mental equipment—opportunities which slipped through my fingers in the early years.

When I think back over my career I'm impressed by the dividends I have received from time and energy spent in activities which had no direct bearing on the immediate problems of making a living. And I'm just as strongly impressed by a realization that I wasted so many opportunities to broaden myself.

I have spent all my business life with Union Carbide & Carbon Corp. Quite possibly this influences my views on another point which I regard as of extreme importance to the young man setting out on a business career. However, it has always seemed to me that the best chance for advancement is in the organization you know most about. So my advice to younger men is: **Make sure you're in the right business and with the right organization, and then stick with it.** Loyalty and steadiness of purpose usually find their reward. A little time in choosing your life work is not necessarily time wasted. On the contrary, it may make the difference between success and failure.

But no matter what business you choose, a sense of perspective and a well-balanced judgment are indispensable to progress or advancement. It is unfortunate that, to a large extent, these are qualities we acquire by living. But there is a way in which the younger man can acquire them ahead of his years—by reading good biographies of outstanding personalities. As nothing else can, a good biography provides insight into customs, traditions, the origins of human institutions.

Among the biographies which



As one of a series of interviews with industrial leaders, FORBES Magazine of Business for February 15th printed these suggestions for success in business by Fred H. Haggerson, President of Union Carbide and Carbon Corporation.

Mr. Haggerson was born in the rugged lumber and iron mining country of Michigan's northern peninsula. He was graduated from the University of Michigan with a law degree and immediately became a practicing attorney in his home state. Within three years he was elected District Attorney. In 1917, during his fourth consecutive term in that office, he was appointed to the Bureau of Investigation, United States Department of Justice, in Cleveland. Shortly after entering that

service, he was transferred to its New York office, where later he acted as Division Superintendent.

Mr. Haggerson's next appointment was as an attorney for Union Carbide and Carbon Corporation, the organization he now heads. He became a Vice-President of Union Carbide on May 24, 1938, a Director on August 26, 1941, and on April 25, 1944, he was elected President.

have meant a lot to me personally are Beveridge's "John Marshall," Ludwig's "Bismarck" and Stryker's "Andrew Johnson." Through reading such books you get a sense of having lived more lives than one. You get a good clear look at the world through eyes of another. And you meet human problems from a fresh point of view, rub elbows with actual men confronted with real problems. A broad understanding of why men of achievement act as they do in given situations is one of the best possible ways of improving your own judgment in dealing with the complicated questions that are a part of business life.

This matter of improving and strengthening judgment is, to a very large extent, a matter of reading—the right kind of reading. Fortunately, that is accessible to everyone.

So far as I know, there are no slick formulas which will take the place of hard work and self-discipline. **Acquiring the mental equipment which will enable you to work out your personal or business problems and arrive at the right answers is fundamental to success.** That is axiomatic. And the ability to solve such problems can usually be reduced to straight thinking and an understanding of human nature.

Of next importance to good reading in training the mind is the study of mathematics. It teaches you to think straight as no other subject can. If you want to get

ahead, study more mathematics, and not so much language, for example. I know there are others who would say just the opposite, that a knowledge of language is more broadening or useful. **But there is nothing more important than the ability to think straight, and mathematics is the best of all possible disciplines to acquire the ability.**

Related to my feeling about the value of mathematics in mental training is a conviction that every business man, young or old, will profit from time spent in the study of science. If I had it to do over, for example, I'd even see to it that I had a degree in engineering before I got my law degree. A knowledge of law is unquestionably a great business asset, but today you must know a lot about science if you expect to keep up with your world.

Most emphatically, **if you are to anticipate the business problems of tomorrow, you must keep abreast of current scientific developments, in the broad sense.**

Emphasis on science and technology in business is becoming greater every day, and I expect to see that trend sharply accelerated in the future. The ability to read and understand technical reports is fast becoming one of the major hurdles to be cleared by the young executive on his way up.

Here, too, the young fellow who is set on getting ahead can find plenty of opportunity for that kind of study without returning to full-

time attendance at college. There

are many excellent night schools, for example, both of a commercial and a public nature. And there are the libraries, and a great variety of technical journals. The discipline of digging things out for yourself has its own value. The more time the young fellow spends in building his mind in this way, the easier he will find it to get the right answers to the many difficult problems of a business career. When it comes to these, he isn't likely to have an instructor around to lead him by the hand.

I was raised in a small town in the upper peninsula of Michigan. My folks were in average circumstances, and I had no special advantages. So perhaps I couldn't have been expected to realize, when I was younger, just how important science and the purely technical subjects would eventually be in my world.

But I could have had a stronger appreciation than I did of the importance of perfecting my own mental equipment. And I can now see many wasted opportunities. Perhaps I was no worse in this respect than many another young fellow. But the point I want to make is that business conditions change, inevitably. We will have a different world 30 years from now than we have today, and many of the problems which confront the individual will be different. But it will still be true that the ability to think straight and an understanding of human nature will be needed to solve these problems successfully. That doesn't change.

The opportunity to build mind through study is much greater for the young man than for the older man. As time goes on, you find yourself more and more involved with immediate problems and committed to ever-expanding responsibilities. You are no longer a free man to the same extent you were earlier. And remember that **the period in which you can collect dividends on such effort gets shorter all the time.**

Yes, if I had it to do over, I'd make much better use of what is called "spare" time. It isn't really spare time. Far from it. Put to proper use it can well be the most important time you have.

The Paramount Objective
is to Assure the Common
Defense and Security

... See ATOMIC ENERGY ACT OF 1946

national military establishment determine what atomic information can be made public in order that security will not be compromised. Feels that the national military establishment would lean toward secrecy but prefers to know too little about the atomic weapons picture than to have potential enemies know too much.

Boston Globe--Praises efforts of Vinton Rawson, principal of a high school at White Plains, N. Y., to train pupils in fundamentals of atomic energy. Cites remarks of speaker from the Atomic Energy Commission who said the commission makes available all information that security permits but does not tell people what to think.

New York Herald Tribune--Cites talk by Atomic Energy Commission member Louis Strauss that "virtually all" secret atomic energy work is being done in the government's own laboratories, while non-secret research is conducted by universities and industry. Policy of commission praised in protecting secret matters by this division of work.

Los Angeles Times--Objects to revealing number of atomic bombs being manufactured by United States and disagrees that it would be useful for propaganda purposes.

Washington Star--Columnist Henry McLemore scores government for revealing too many military secrets and particularly criticizes proposal for revealing number of atomic bombs stockpiled in the country.

St. Louis Post Dispatch--Objects to disclosing number of atomic bombs in United States possession. Favors Chairman Lilienthal's more conservative proposal for sharing with the public as much atomic energy information as is prudent.

Omaha World-Herald--Thinks final decision about revealing information on atomic should be made by military authorities and contends national security is far more important than any useful purpose that might be served by releasing such details.

Salt Lake City Tribune--Assails Senator McMahon for proposing that United States reveal number of atomic bombs manufactured. Agrees with Chairman Lilienthal that we can't always have both secrecy and democracy, but feels it is quite clear that in this case we should be willing to give up a little democracy to gain a lot of security.

An hour of pain is longer than a day of pleasure—have fun but be careful.