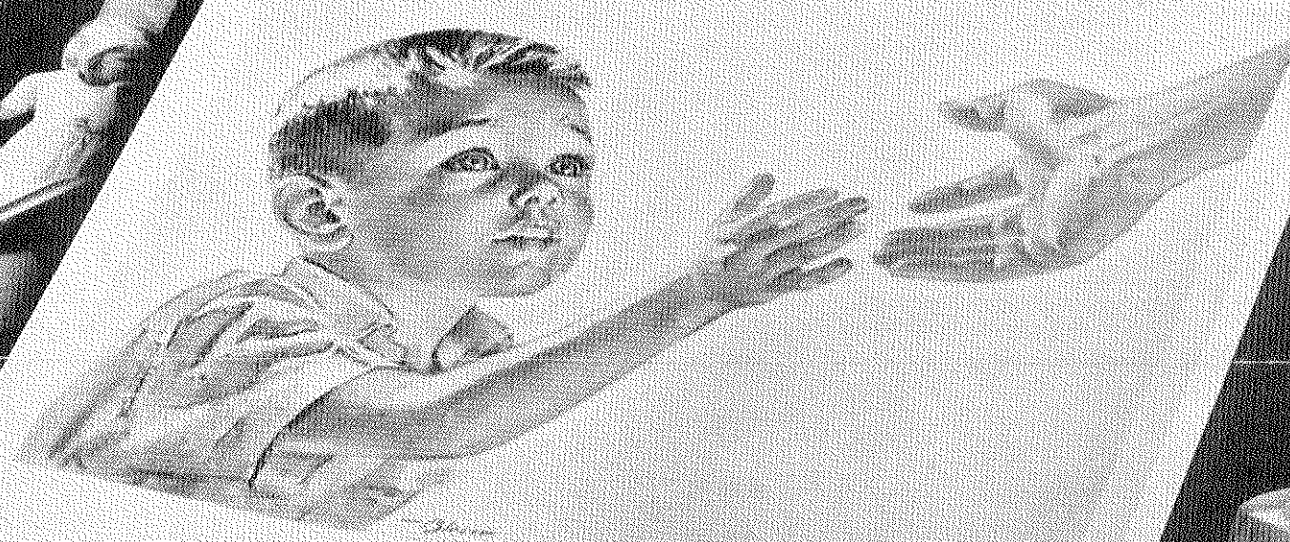


THE WINGFOOT CLEAN

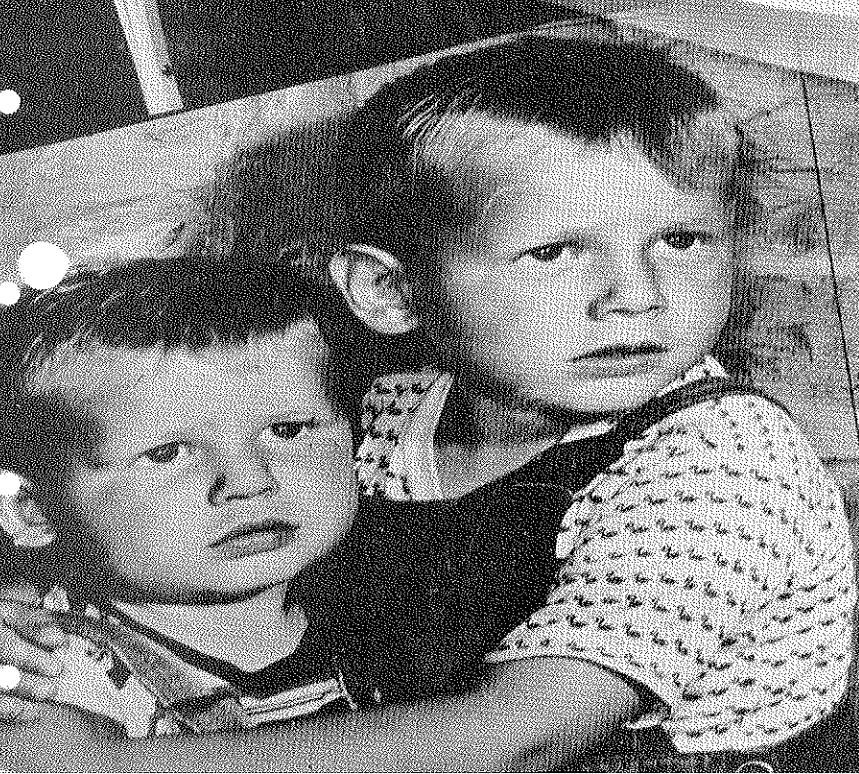
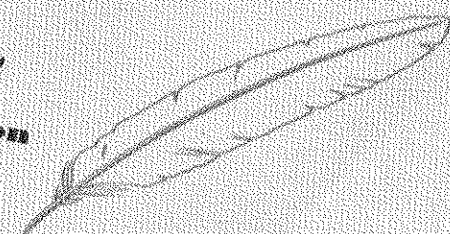


ATOMIC EDITION

5



1959
All In One Campaign
Goodyear Atomic Corporation



**Review
— OF —
Labor Relations**

Arbitrator Carl A. Warns, Jr., Professor of Law at the University of Louisville has set October 13 and 14 to hear four cases in arbitration at the plantsite.

The following additional Union representatives have been certified by Local 10-689, OCAW.

L. L. Ramey, department 512, service-division, alternate committeeman.

W. E. Wickline, Jr., department 512, SS materials handling, alternate steward.

U236 Problem Discussed At Geneva Peace Conference

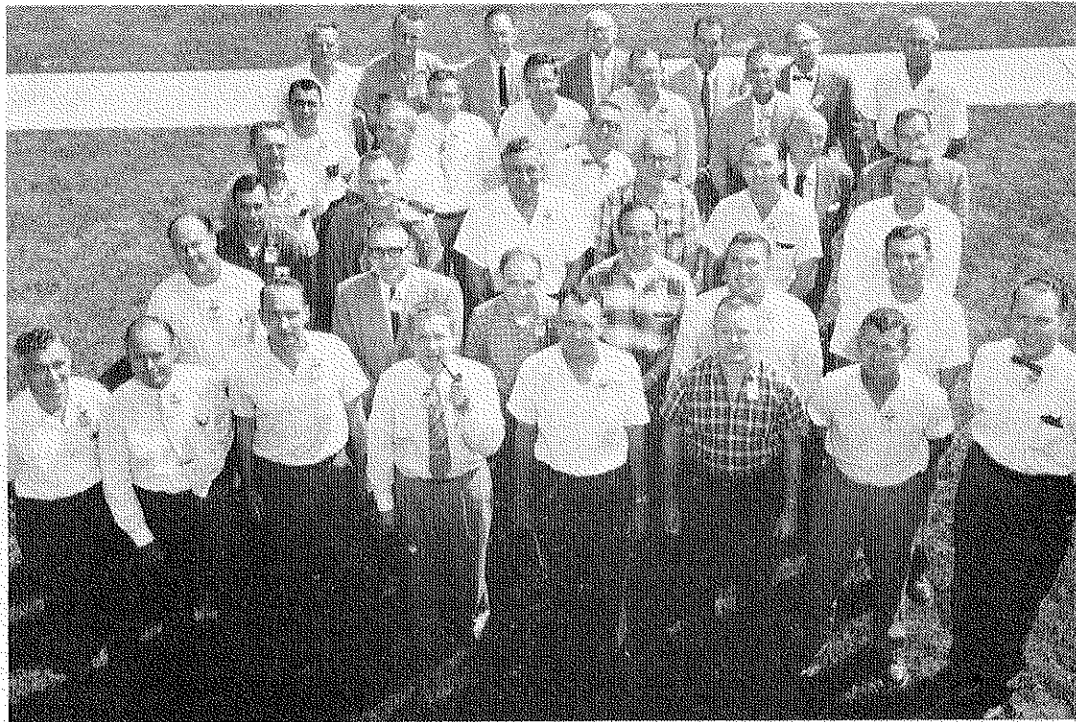
GENEVA, SWITZERLAND — The mass production of uranium enriched in the fissionable isotope U-235 represents an outstanding victory of technical ingenuity against formidable natural odds. The United States Government has already spent more than \$2,500,000,000 for gaseous diffusion production plants and currently uses about six per cent of the country's total electric output in operating the plants which produce enriched uranium.

Unfortunately, the recovery of unburned U-235 from spent reactor fuel elements presents still more formidable difficulties because of the addition of another uranium isotope U-236, that was entirely unknown in 1939, according to Dr. G. A. Garrett, of the Oak Ridge (Tennessee) Gaseous Diffusion Plant in a paper presented to the Geneva Atoms-for-Peace Conference. U-236 is produced in a reactor when U-235 captures a neutron without fission. This unhappy event occurs about 16 percent of the time.

In removing U-236 from the fuel cycle three problems occur: (1) U-236 is a poison in that it competes with U-235 for available neutrons; (2) in the chemical reprocessing plant U-236 is a source of highly radioactive contaminants requiring long cooling periods; and (3) U-236 is far more difficult — and hence costly — to separate by gaseous diffusion than an equivalent amount of the heavier, naturally occurring U-238.

In his paper the author discusses these problems in relation to costs, operations, and ultimate results for a variety of cases involving one or more reactors using a variety of enriched fuels and one or more diffusion plants.

Co-author of the paper was Dr. S. A. Levin, also of the Gaseous Diffusion Plant at Oak Ridge. The plant is operated for the U. S. Atomic Energy Commission by the Union Carbide Nuclear Company.



DIVISION MANAGERS, SUPERINTENDENTS, REPRESENTATIVES OF OCAW, LOCAL 10-689, AND UP-GWA, LOCAL 66, are shown following an organizational meeting of GAT's All-In-One Campaign which begins October 6. Pictured in the front row from left are: N. A. Lee, H. Watts, W. H. Taylor, R. B. Stambaugh, R. M. Rutherford, W. W. Walters, L. L. Ramey, C. D. Tabor. Second row from left H. E. McComb, C. L. Stewart, J. K. Boughton, B. E. Justice, A. W. Reynolds, W. F. Culp. Third row from left to right E. E. Flinders, C. A. Mentges, W. A. Brown, R. J. Nance, C. C. Gab-

berl, C. M. Graves. Fourth row from left J. B. Mitchellson, H. L. Smith, A. H. Wernecke, G. H. Reynolds, Myron Davis, (representing Jackson County United Fund.) Fifth row from left J. O. Zoellner, J. R. Shoemaker, M. R. Zigler, Leslie Farmer, D. W. Doner. Last row from left to right P. F. Bliss and H. N. Stone, co-chairmen of the 1959 All-In-One Campaign, John Rittenour, (representing the Pike County United Fund), Walter Grubb, (representing the Scioto County Community Chest), L. E. Fuller, Paul Youngs, (representing the United Fund of Ross County), and C. L. Jenkins.

Museum Of Atomic Energy To Be Free

The public will be admitted free to the Atomic Energy Commission's American Museum of Atomic Energy.

The admission charge to the Museum is being cancelled in line with the policy of presenting Commission exhibits without cost to the sponsor and without charge to the viewing public.

The Museum was started in 1949 when security fences were removed from the community of Oak Ridge so that the public could visit the city without restriction. Since that time, about 710,000 persons from every state and many foreign nations have visited the Museum, with approximately 75,000 currently visiting it annually.

A tour of the Museum covers nuclear energy theory and many aspects of the Commission's extensive programs, from the mining and processing of uranium ores to the application of uranium and its by-product materials to peaceful pursuits. Extensive material is presented on production of radioisotopes and their uses in the fields of research, agriculture, medicine and industry. The Museum utilizes descriptive panels, motion pictures, lectures, working models and demonstrations to provide information on atomic energy in a manner easily understood by the viewing public.

Nearly 20,000,000 persons have viewed the traveling exhibits since inception of the program, and the units have been presented in each state.

Charles D. Tabor Presenting Paper At London Conference Sponsored By ASTM

Charles D. Tabor, superintendent, works laboratory, is in London, England, this week to present a paper at the joint conference on mass spectrometry. The conference is sponsored by the British Institute of Petroleum and the American Society of Testing Materials — Committee E-14. The conference began September 24, and will conclude September 26.



Charles D. Tabor

The title of Tabor's address will be "The Mass Spectrometry Measurement of Uranium Isotopic Enrichment". Tabor's paper will be given at a special session of the convention scheduled for September 27.

A graduate of Tennessee Polytechnic Institute, Tabor has been associated with the National Advisory Committee for Aeronautics and associated with the field of gaseous diffusion for more than 12 years.

Tabor, accompanied by his wife, Mary Lee, left for London, England, September 21. Following the

conclusion of the joint conference on mass spectrometry, Mr. and Mrs. Tabor will visit Paris, Brussels, and Amsterdam, returning to the United States on October 7.

Attendance at the conference will include representatives from various countries including England, France, Canada, and the United States.

Safeguard Classified Defense Information

One of our human traits which may lead us into difficulty in safeguarding classified defense information is our trust or confidence in others. Most of us have one or two, or more, intimate associates in whom we have complete confidence. We are quite sure that these persons would keep inviolate anything which we were to relate to them in confidence.

The only trouble with this proposition is that these intimate associates of ours have intimate associates, whom they regard as highly. Feeling this way, our associates quite naturally think that it is all right for them to tell those in whom they have complete trust what we have related to them. This is the way of human nature and in this way we get involved in a never-ending chain of passing of information which may end in it reaching people seeking the destruction of our country.

—The Carbide Courier

Philanthropic Attitude Of GAT Employees Praised By UF Representatives

"Gentlemen — we take our hats off to you." These were the words stated by one of the Community Chest representatives at the organizational meeting of GAT's All-In-One Campaign September 15. The statement paid tribute to the efforts that GAT employees have expended in past years to help United Fund Campaigns in the four county area. D. W. Doner, manager, industrial relations division, stated, "We have been paid a tremendous compliment here today. It's one thing to strive for respect — another to earn it. We have earned respect, let's keep it."

The organizational meeting brought together division managers, superintendents, representatives of OCAW, Local 10-689, and UP-GWA, Local 66, for the purpose of orientation on the 1959 All-In-One Campaign. The campaign opens October 6 and continues through October 10.

Dr. Paul F. Bliss, co-chairman for the campaign, briefly outlined in-plant procedures and introduced G. H. Reynolds, deputy general manager, who reviewed the various reasons for GAT's support of the United Fund type of solicitation.

Representatives from the four counties benefiting from the All-In-One Campaign were introduced by H. N. Stone, president, OCAW, Local 10-689, and co-chairman of the campaign.

Representing the Scioto County Community Chest was Mr. Walter Grubb, executive secretary. Participating agencies in the Scioto County Community Chest are: Boy Scouts of America; Bureau of Community Service; 14th Street Community Center; Family & Children's Service; Fresh Air Camp; Girl Scouts, Inc.; Milk Fund; New Boston YMCA; Portsmouth YMCA; Salvation Army; Social Hygiene Association; Travelers Aid; Union Mission, and the USO.

Mr. John Rittenour, co-chairman for the Pike County United Fund, spoke in behalf of Pike County. R. A. Holthaus is co-chairman. Participating in the Pike County United Fund are: YMCA, American Red Cross; American Cancer Society; Boy Scouts of America; Girl Scouts of America; and the Pike County Ministerial Association's Welfare Committee.

Mr. Myron Davis, county chairman, Jackson County United Fund, spoke of the various agencies that participated in the Jackson County United Fund. They are: American Red Cross; Boy Scouts of America; Girl Scouts; Oak Hill Hospital; Salvation Army; YMCA; Jackson, Weston, Oak Hill Youth Foundations; and the Jackson Mental Health Association.

Mr. Paul Youngs outlined goals of the United Fund of Ross County. Participating agencies in Ross County are: Salvation Army; Carver Community Center; Ross County Wel-

(Continued on page 3)

THE WINGFOOT CLAN

ATOMIC EDITION

THE BEST IS YET TO COME



Published semi-monthly in the interest of employees of the Goodyear Atomic Corporation.

Office: X-100 Building, Second Floor, South Wing Telephone 2165

Editor F. D. Hyland

Community Relations Coordinator Paul F. Bliss

Member Association of Nuclear Editors and affiliated with International Council of Industrial Editors.

DO YOUR PART

The cover of this issue of the "Clan" is a montage photographed by D. J. Landstrom depicting various phases of United Fund responsibilities. Pictures were provided by Bob West, Chillicothe Gazette; Stan Spaulding, Waverly News-Watchman; Ed Clark, Jackson Publishing Company; and Walter Grubb, Scioto County Community Chest. Participating agencies from all four counties surrounding the plantsite are portrayed on the cover.

A good statement for each of us to consider as we think of our participation in the forthcoming All-In-One Campaign might be — "Help those who need help to help themselves."

The 1959 All-In-One Campaign will get underway October 6, at Goodyear Atomic Corporation. Co-chairmen representing Labor and Management are appointed respectively by the President of OCAW, Local 10-689, and the Manager of Industrial Relations Division. Representatives of UPGWA, Local 66, also assist the All-In-One Committee.

This year the financial need is greater than ever. It is our hope that you feel strongly enough about being "your brother's keeper" to give serious thought to what your "fair share" will be. GAT employees have, in the past, been leaders in helping the United Fund Organizations in the four county area to reach their established goals.

The All-In-One Campaign has the full endorsement of the company and is a joint Labor-Management effort. Do your part when your solicitor asks for your pledge.

SAFETY RECORD BROKEN

Goodyear Atomic Corporation's safety record was broken at approximately 1,075,000 manhours.

On September 3, an employee was injured checking an area in preparation for a scheduled maintenance job. He continued checking the proposed work area as he descended the stairs and did not see an oil spill at the foot of the steps. When he stepped into the oil, his foot slipped twisting his back.

The injury was classified as a temporary total disabling injury inasmuch as the employee was unable to report for work on his regularly scheduled shift September 10.

Women's Bowling League Of Portsmouth Invite Substitutes

Officers of the GAT Women's Bowling League of Portsmouth extend an invitation to bowlers who would like to be on the substitute list. All female employees or wives of employees who are interested in serving as substitutes are requested to contact Donna Jenkins, laboratory services, or Anita Pflug, security department.

The League bowls each Tuesday evening at 5:15 p. m.

Politeness is the art of choosing among your thoughts.

Solvent Extraction Process Uranium And Thorium Ores

The chemistry and economics of several widely used methods for extracting uranium and thorium from ore, was the subject of a paper read by Dr. K. B. Brown, Oak Ridge National Laboratory, at the Geneva Atoms-for-Peace Conference. Co-authors of the paper were C. F. Coleman, D. J. Crouse, C. A. Blake, and A. D. Ryon, all of Oak Ridge.

Industrial recovery methods have undergone considerable change over the past 15 years. Until about 1950 precipitation methods were used exclusively. A major improvement in efficiency and economy was then achieved by the use of ion exchange processes in which the separation was made with commercially available resins. At about the same time intensive studies were begun on a variety of organic compounds which might be used in solvent extraction processing.

Both processes begin with sulphuric acid leach liquors containing fairly low concentration of uranium along with many unwanted elements such as iron, aluminum, magnesium, calcium, copper, and others. In some cases they also contain potential wanted by-products such as vanadium, thorium, and possibly molybdenum. The distribution and quantities of these constituents vary widely, depending upon the composition of the ore and the leaching conditions.

The estimated chemical reagent costs in the Amex process to achieve a product of 75 percent or better of uranium oxide ranges from 6 to 11 cents per pound of uranium oxide. Comparable costs for the Dapex process are estimated at from 12 to 13 cents per pound of uranium oxide. Plants now operating or in the planning stage using solvent extraction have capacities of from 200 to 3,300 tons of ore per day. The installed cost of the solvent extraction circuits run from about \$150 to \$850 per ton of ore capacity.

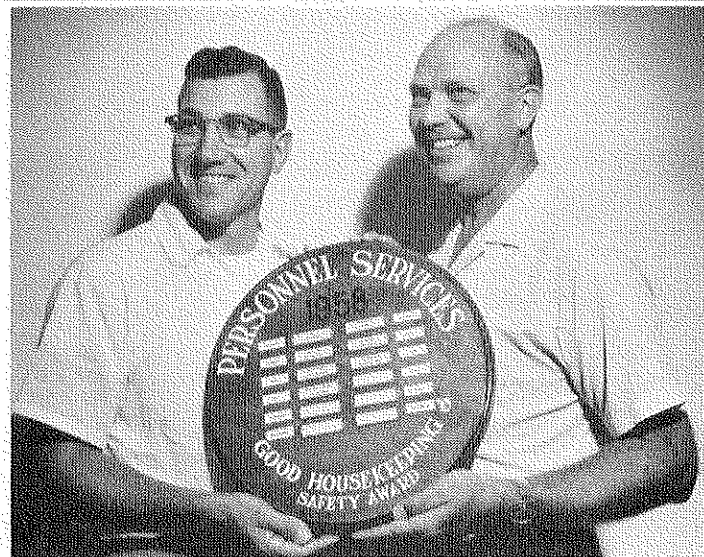
Outdoorsmen's Club Offer Hunter Safety

The Goodyear Outdoorsmen's Club of Jackson will offer the National Rifle Association's Hunter Safety Program again this fall. Previously the club had offered the course in the Jackson area only. This year the course also will be offered in the Portsmouth area.

The NRA Hunter Safety Program in Jackson will be headed by Arnold McPherson, valve shop. The program in Portsmouth is to be set up by E. Clay, compressor shop.

Employees interested in the Hunter Safety Program, or who have children (boys or girls) over 12 years of age should contact either McPherson or Clay.

The course in Jackson will begin September 27, and in Portsmouth September 29.



PERSONNEL SERVICES GOOD HOUSEKEEPING & SAFETY AWARD PLAQUE is being presented to R. F. Jones, recreation department, after his department was declared winner for the month of August. Pictured at right, presenting the award, is R. C. Fleming, chairman, personnel services safety committee for the month of August.

Personnel Services Sponsor Safety Program

Safety and Good Housekeeping play an important role in the lives of employees of the personnel services subdivision, a branch of the industrial relations division.



Five Year Pins

Employees who will receive five year pins between September 17 and October 1 are as follows:

- | | |
|-------------------|--------------------|
| L. E. Schrier | R. H. Everett, Jr. |
| V. R. Barrett | C. D. Scott |
| W. Mullins | G. A. Keyser |
| B. J. MacDonell | P. E. Cravens |
| R. P. Bell, Jr. | J. E. Doerr |
| J. E. Henry | J. E. Beebe |
| J. G. Henry | J. B. Bluebaum |
| L. A. Orlett | W. J. Reynolds |
| R. L. Horner, Jr. | E. T. Crace |
| F. V. Spearry | W. E. Collins |
| R. S. Schneider | F. B. Trainor |
| W. F. Hackworth | A. L. Nelson |
| V. W. Montavon | J. M. Henson |
| J. F. Schriek | F. R. Donley |
| W. E. Ellsesser | |

ALL-IN-ONE

(Continued from page 2)

fare Association; American Red Cross; Boy Scouts of America; Girl Scouts; USO; YMCA; and the Ohio Citizen's Council.

Goodyear Atomic Corporation has established itself as a good citizen in the communities surrounding plantsite. To be a good citizen, one must accept his fair share of community responsibility. A contribution to the All-In-One Campaign helps to prove to our neighbors that GAT employees are concerned with their neighbors who need help.

When you are called upon to sign a pledge card for payroll deduction give serious consideration to what your "fair share" will be. Help those who need help to help themselves.

Silver Compass Club

The Silver Compass Club, consisting of Goodyear Atomic employees, will meet Friday, September 26, at 7:30 p. m. The meeting will be held in the Waverly Temple of F & AM, East North Street, Waverly, Ohio.

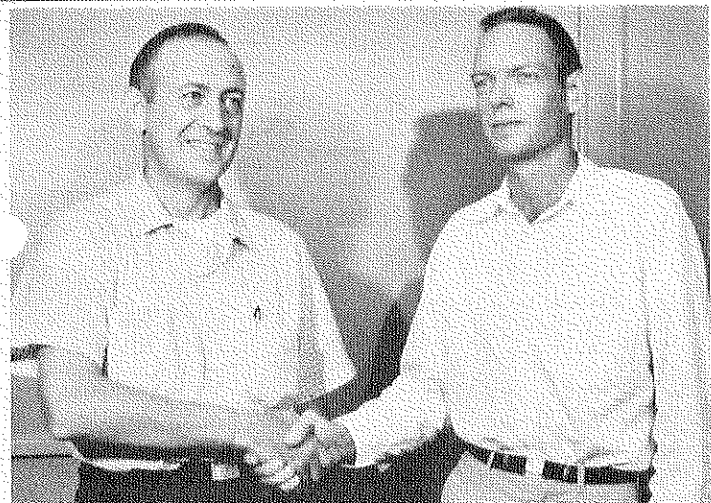
Several months ago the employees of the personnel services subdivision began an organized program of safety and good housekeeping. The responsibility of the program is vested in a committee composed of three members and a secretary from the various departments of the subdivision. Each member serves on the committee for three months, the secretary for two months. Through a rotating chairmanship system, each member serves two months as a member before succeeding to the chair. As each chairman retires, the newly appointed committee member will be chosen from the department not represented for the preceding two months.

The committee holds monthly inspections which include, in addition to the departments in personnel services, the division manager's office, community relations and recreation. Personnel services includes: the areas represented by employment, training, wage and salary standards, and standard practice. Following the inspection the committee submits a report of their findings to the division manager, the subdivision superintendent, and departmental supervision. A copy of the report also is submitted to the safety engineering department.

Once each month the committee selects the department which best meets good housekeeping and safety standards. A "Good Housekeeping and Safety Plaque" is presented to the departmental winner for display in the department the following month. The plaque shows all monthly winners during the current calendar year.

IN MEMORIAM

D. H. Hutchison, 44, died September 14, in the Chillicothe Hospital following a heart attack. He was an assistant general foreman, instrument maintenance department.



GAT'S 1958 GOLF CHAMPION, JOHN WHISLER, right, is congratulated by Dave Connery, runner-up. At the conclusion of 27 holes of golf the two were tied with a score of 121. In the sudden death play-off, Whisler won the championship, when he parred the 2nd hole.



SQUARE DANCE ENTHUSIASTS in the Portsmouth area gather each Saturday night for a round of square dancing. Pictured at top is Art Gouldie, utilities operations, calling the dance. In the lower picture are GAT employees who are members of the Do-Si-Do Club. From left, R. Trickett, process area 3; F. Plutt, instrument maintenance department; T. Patterson, converter shop; Mrs. Gwen Patterson, and Art Gouldie, utilities operations.

GAT Employees Invited To Visit Square Dance Club

The "Do-Si-Do" Western Style Square Dance Club of Portsmouth has extended an invitation to all Goodyear employees to visit the club.

The club meets on Saturday nights at 609½ West Second Street, Portsmouth. A. O. Clausing, tabulating service department, an active member of the club, said, "We wish to interest GAT people in becoming members of our club — especially those who enjoy an evening of good, wholesome entertainment".

Beginning Thursday, September 25, at 7:30 p. m., dancing instructions will begin with Art Gouldie, utilities operations, as instructor.

Other GAT employees active in the club are Wanda Plummer, uranium control department, Charles Thompson, instrument maintenance department, and Harry Mustard, computing department.

Employees Take Lead In Leisure Activities

What'll you have? Softball, golf, bowling, basketball, touch football? You name the activity and you can count on Tom Taulbee, mechanical inspection department, and Ollie Vita, uranium analysis department, making plans to enter a team. These two employees have probably contributed more, individually, than any other employee, to make the employee activity program a success.

This past year, for example, Taulbee, acting as manager or captain, led the "Inspectors" to championships in touch football, basketball, and softball. He also bowls and plays golf. Vita managed or captained the "Padazzlers" in touch football, basketball, and softball. He bowls but hasn't, as yet, taken up the game of golf. At the Christmas Party and the Annual Picnic these two fellows have helped to make these activities a success. Doing what? You guessed it — assisting the committee chairman for recrea-

tional events.

Taulbee has been more fortunate than Vita when it comes to winning championships. In most cases Taulbee has brought his team in first. In the majority of cases Vita has brought his team in second. Vita is a living example of a fellow who is always trying and never gives up.

Both Vita and Taulbee deserve a word of thanks from the fellows who play on their teams. It is no easy task to run a ball club. These fellows take the responsibility and enjoy it.



WHEN IT COMES TO THE EMPLOYEE ACTIVITY PROGRAM AT GOODYEAR ATOMIC CORPORATION, you will invariably find these two employees. Pictured above "buried" in recreational equipment are, left, Tom Taulbee, mechanical inspection department, and right, Ollie Vita, uranium analysis department.



SOFTBALL CHAMPIONS FOR 1958. The "Inspectors" from the GAT Softball League of Portsmouth were declared Company Softball Champions after winning the Company Tournament held this month. Kneeling from left to right are: Gordon Williams, Sonny Ross, Jim

Scott, Frank Caldwell, and Carl Armstrong. Standing from left are: Les Brafford, Clyde Pyle, Bob Welch, Charlie Kinker, Jack Massey, and player-manager Tom Taulbee. The "Inspectors" won the tournament 8-0 from the "Turtles" of the Waverly League.

Golf Playday Successful

Ninety-three GAT golfers participated in the last playday of the season which was held at the Elks Country Club, Portsmouth, on September 13.

Winners in the scheduled events were: Flight Championships: Company Champion — John Whisler; Runner-up — Dave Conery; First Flight — Bert Ulrich; Second Flight — Gordon Williams; Third Flight — Paul Kimes, Fourth Flight — Paul Forsyth.

Division Tournament: First Place — Office Services; Second Place — Personnel Services; Third Place — 561 Division; Fourth Place — 200 Division.

Playday Winners: Most Pars — John Whisler; Most Fives — Harley Mayberry and Gola Waters; Most Sixes — John Wolford; Most Sevens — Bob McAllister; High Gross — Harold Hewitt; Low Gross — Dave Conery; Second Low Gross — Roy Gustavson; Low Net — Harry Marshall; Second Low Net — Paul Forsyth; Fewest Putts — Chuck Trivisonno; Second Fewest Putts — Marty Redden, Vince DeVito, and Maurice Trowbridge; High First Nine — Roy Christophersen; Low First Nine — Wayne Pollard and Hugh Rucl.

COMPANY DANCE NOVEMBER 1

The next company dance will be held Saturday, November 1, at the Memorial Building in Jackson.

Bob Waddell and his Orchestra will furnish the music.

The time of the dance will be from 9:00 p. m. to 1:00 a. m. and the cost will be \$1.00 per couple.

Tickets will be sold at the recreation office beginning Monday, October 6.

"Inspectors" Are GAT Softball Champions

The "Inspectors" of the GAT Portsmouth Softball League downed three opponents to win the Company Championship. The teams defeated in the march to the championship were: "Reserves" 1-0; "A" Shift 10-6; and in the finals defeated the "Turtles" 8-0.

Champions Banquet Set For October 22

The Fourth Annual Banquet of Champions will be held Wednesday, October 22, at 6:30 p. m., at the Lake White Club.

More than 150 men and women will be invited to attend this banquet. Trophies will be presented to the "champs" by members of the Operating Committee or their designated representatives.

The awards dinner, sponsored by the company, brings together all the champions from the varied competitive sports which have participated in employee activities during the past year.

Employees eligible to attend the banquet must be an individual company champion or a member of a winning team which participated in a company-sponsored activity.

Invitations are being prepared by the recreation department. Eligible employees will receive their invitations early in October. Those who plan to attend must pick up their

One of the key games, in winning the championship, was the game with the "Reserves" from the Waverly League. In this game the "Inspectors" faced Paul Neff, one of the finest softball pitchers in the state. Clyde Pyle pitched for the "Inspectors". The game was a scoreless tie for 6 innings with each team having one hit each — Ed Kessinger for the "Inspectors" and Elmer Litteral for the "Reserves".

Bob Welch, catcher for the "Inspectors", opened up the 7th inning with a walk. Carl Armstrong singled to center, Welch going to 3rd. Jim Scott lofted a sacrifice fly which scored Welch from 3rd giving the "Inspectors" a 1-0 lead and that's how the game ended. The "Reserves" were retired 1, 2, 3, in their half of the 7th inning.

This game was one of the finest games played in Goodyear Atomic competition. Both Neff and Pyle pitched fine ball. Each deserved to win but as it happened Pyle was with the team that hit when it counted.

tickets at the recreation department office.

Goodyear Atomic Corporation
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Portsmouth, Ohio

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