THE WINGFOOT CLAN

GOODYEAR ATOMIC CORPORATION

A Subsidiary of THE GOODYEAR TIRE & RUBBER COMPANY

VOLUME IX — PIKE COUNTY, OHIO, WEDNESDAY, MARCH 21, 1962 — NUMBER 12

Review of Labor Relations

The following arbitration awards have been received from Arbitrator Paul H. Sanders, Professor of Law, Vanderbilt University.

GRIEVANCE: This grievance claims that certain duties performed by bargaining unit personnel on the X-710 air conditioning equipment prior to August 1, 1961, are now being performed by salaried personnel and asks that such work be returned and assigned to bargaining unit employees.

DISCUSSION: The collective bargaining unit established by the National Labor Relations Board excluded all employees in the Laboratory Division. The Company has, nevertheless, recognized that bargaining unit personnel will provide maintenance services on building lighting, building power and building equipment in the laboratory. The Company's established policy in this regard was indicated in its Step 2 answer to Grievance No. 1-267-57 dated 1-31-58 . . .

This grievance arose because of the Company decision about August 1, 1961, to cease using bargaining unit personnel in the laboratory to perform duties associate with the regular operation of the air conditioning system.

The Arbitrator believes that this grievance should be allowed since it is clear that certain functions performed by bargaining unit personnel prior to August 1, 1961, are now being performed by salaried personnel. To the extent that functions have been eliminated there is, of course, no problem and the Arbitrator would not attempt to say that the Company should station bargaining unit personnel in the laboratory precisely as it did in the past; nor would he attempt to say how many persons are required to perform the particular duties or how much of their time would be required.

AWARD: Grievance 1-421-60 is allowed. The Company should cease from assigning non-bargaining unit personnel in the X-710 Building to the manual duties associated with the operation and adjustment of the air conditioning system in that building.

GRIEVANCE: In these two grievances the Union claims a violation of Acticle XV, Section 1 (a) occurred when salaried personnel performed certain activities which the Union considers are jobs normally performed by bargaining unit employees.

DISCUSSION: Both of these grievances involve the issuance of stores at times when there was no employee classified as a Materials Man on the plantsite. In each instance a supervisor utilized a member of the bargaininig un't other than a Materials Man in connection with the particular withdrawal. The member of supervision unlocked and relocked the stores area in each instance. In the situation involving

(*Continued on page 3*)

Space Age World's Fair In Seattle

A star attraction, which holds the promise of being the most extensive science display ever assembled, is scheduled to open in Seattle in April.

It's America's first Space Age World's Fair, more familiarly known as Century 21.

An average attendance of 55,000 a day is expected during Century 21's April-October "run". The Fair exhibits will depict how man will live, work and play in the century ahead. The main floor exhibits will present predictions of life in the urban, suburban, agricultural and industrial communities of the 21st Century — only 38 years ahead. Chief landmark of Century 21 will be a 600-foot-high Space Needle, topped by a slowly revolving restaurant seating 250 persons.

Adams President

GAT Foremen's Club Elects Officers For Coming Year

Eight new Trustees have been elected by the GAT Foremen's Club. Eligible to attend their first meeting last Wednesday were: R. F. Channel, 100 division; F. E. Pickens, 200 division; B. L. Urich, 400 division; C. L. Truman, H. J. Rouff, H. L. Galloway, and R. L. Schneider, 500 division; and W. E. Ellsesser, 700 division.

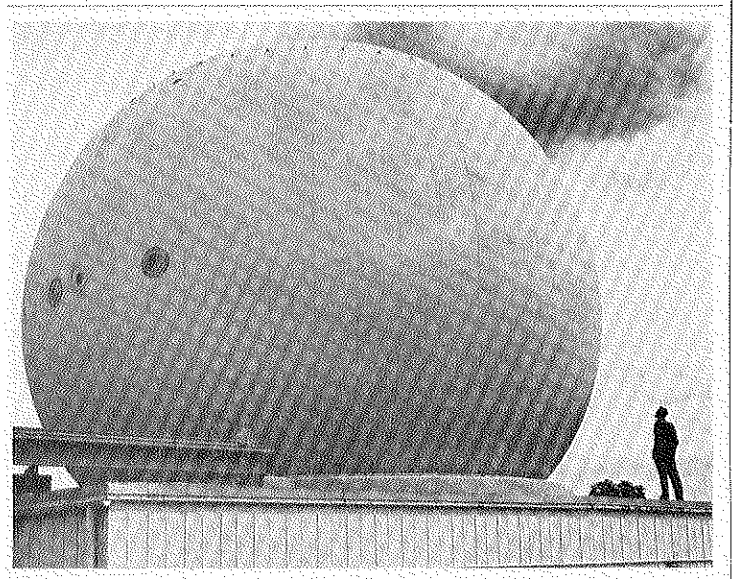
J. D. Wilkerson, plant engineering, Club president last year will be an ex-officio member of the Board for the coming year.

New officers for the coming year are: B. V. Adams, President, cascade maintenance department; H. J. Rouff, 1st Vice President, process engineering department; L. J. Savage, 2nd Vice-President, library & records department; A. F. Wilson, 3rd Vice-President, electric power area; C. L. Truman, Secretary, laboratory services; and B. L. Urich, Treasurer, purchasing department.

Six hold-over members of the Board of Trustees include P. E. Smith, 300 division; L. J. Savage, 500 division; H. T. Pettie, 700 division; J. T. Earner, 800 division; and B. V. Adams, 700 division.

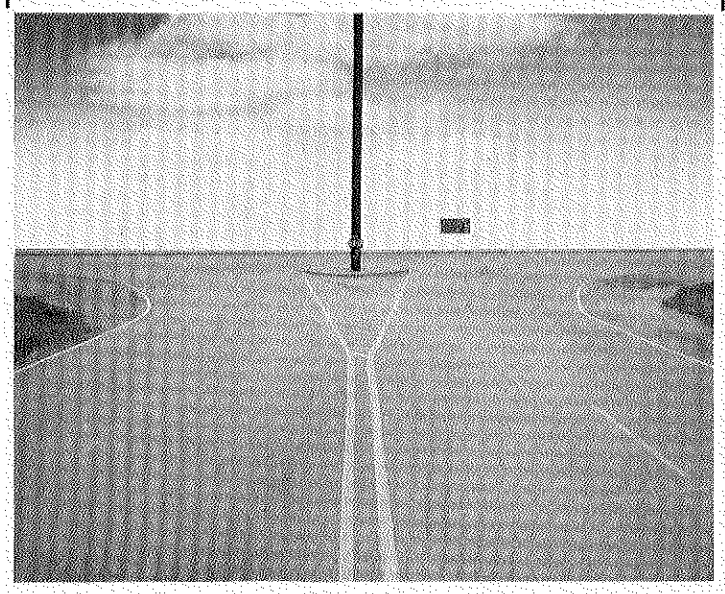
One of the first duties of the new president will be to appoint a Trustee for the 800 division to fill the unexpired term of a Trustee who recently exited from the company.

The Club's first social activity of the year is a Spring Dance scheduled for the latter part of next month. (Photo page 2).



DWARFED. A man inspecting a huge radome for protecting radar equipment in the Army's Nike-Zeus "anti-missile missile" system is almost crowded out of the picture by the magnitude of the rubberized fabric sphere located at Whippany, N. J. The radome was specially designed by Goodyear's Aviation Products division for Bell Telephone Laboratories, developers of the Nike-Zeus system. (See Story on Page 2).

To Turn Left — Please Go Right



Driver Courtesy Still The Rule Of The Road; Obey Traffic Rules

The safety department has been notified that a fundamental traffic rule is being violated at the intersection of the west access and the Perimeter Roads. Autos are being driven across the double yellow lines painted on the access roadway. Employees using this access live either north or south of the plantsite as the cloverleaf accomodates both areas.

The problem occurs when drivers who want to make a *left turn* onto the perimeter road insist on turning inside the STOP sign. The roadway is clearly marked with the double yellow lines leading to the traffic island and the STOP sign. Employees making a left turn from the Perimeter Road also drive to the left of the traffic island and then cross the double yellow lines to get back into the proper lane. It is a traffic violation to cross a yellow line.

Last week an auto accident almost happened because one driver tried to save a few seconds by cutting inside the STOP sign. If the collision that almost occurred had happened the few seconds which were saved might have stretched into months . . . in a hospital.

GAT Employees

As of March 20, 1962
Have Worked 6,673,000 Manhours
Without a Disabling Injury

The safety department continually strives to eliminate unsafe conditions about the plantsite. All roads around the plant are clearly marked for the driver's safety. The safety department welcomes helpful suggestions to better existing conditions.

A sign will be considered for the area about which this article is written which could read: TO TURN LEFT PLEASE STAY RIGHT.

The promotion of safety is still YOUR responsibility and MINE.

OBEY TRAFFIC RULES. COURTESY IS STILL THE RULE OF THE ROAD.

HIGH SCHOOL GRADUATES

Annually the "Clan" features an article on sons and daughters of Goodyear Atomic employees who graduate from high school.

Employees are asked to submit a small black and white picture of the student, with his or her name, high school, parent or parents working at GAT, and the department where the parent works. Please do not send colored photographs.

The deadline for submitting the material for this annual feature is May 25. All photographs will be returned after publication in the "Clan". The proper return address for the picture should be submitted with the information listed above.

Photographs and information should be sent to The Wingfoot Clan Office, X-100 Building.

Impact Of Atomic Energy

The following is a digest and extracts from an address by Dr. Glenn T. Seaborg, Chairman of the U. S. Atomic Energy Commission, at the Tenth Annual Engineers Day at the Drexel Institute of Technology in Philadelphia, March 1.

Without minimizing the scientific contributions basically involved, the design and construction of plants and facilities necessary to the production of the atomic bomb were engineering achievements of unparalleled magnitude.

It was the responsibility of engineers, working side-by-side with the chemists, "to translate the discoveries of the tracer experiments at Berkely and the microscope scaled experiments at Chicago into huge production facilities, and this had to be done without being through most of the stages of development which normally come between basic research studies and industrial productioin."

Plants of novel design, which would consume feed material by the *ton* and deliver product by *the gram*, and which would cost millions of dollars, had to be constructed on an urgent basis. As the vital chemical process development and demonstration work on plutonium separation had been carried out in ultra-micro-chemical experiments, engineers were asked to produce the full-size chemical processing plant at Hanford, Washington, by extrapolations of a factor of some one billion times.

It is evident, Dr. Seaborg said, "that in this nuclear age the parochial differences which traditionally have separated scientist and engineer are at last being broken down. What is truly significant is the fact that each group, indeed, is dependent on the other and that this interdependence has brought about vastly closer communication between the two."

"Unfortunately, while the need and opportunity for engineers is today so great, and growing greater, a serious shortage of highly-trained engineering graduates faces the Nation. Only last month, a National Science Foundation report showed that the Soviet Union is now graduating engineers and scientists at a much higher rate than the United States."

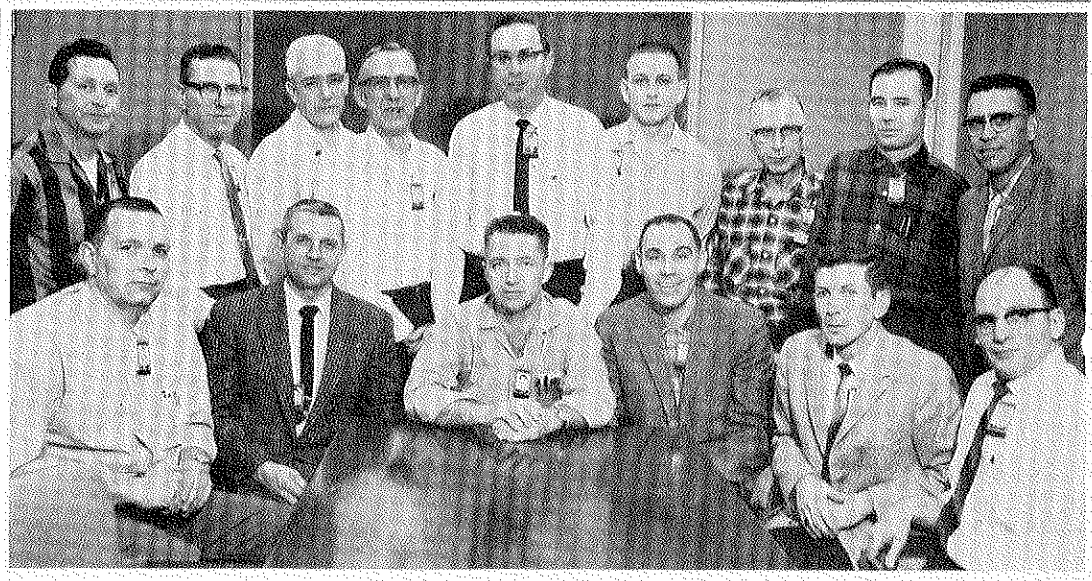
"The alarming fact is that although college enrollments in virtually every other field are rising, enrollments in our engineering schools and colleges have shown a steady decline in the past several years. Over-all engineering enrollments have dropped approximately 20% between 1957 and the current academic year — 1961-1962. The decline in freshman enrollments in the same period has been about 15% . . . I submit that this is one of the most serious educational problems facing our Nation today."

"Engineers and scientists must mesh their work to shorten the lag between discovery and utility. This can be aided by at least a peripheral acquaintance with the others' field of activity."

"So far as the engineer is concerned, I feel that more and more emphasis will be placed on the *why*, as well as on the *how*, in the training and education of engineers."

"Today, the once popular, although inaccurate, picture of the engineer as a surveyor with a transit theodolite, or of engineering as a profession necessarily linked with endless miles of drawing boards, must be repainted. However, the rapid extension of the functions and technology of the well-trained engineer, his ready familiarity with the scientific principles which he is called upon to put into practice, as well as his skill in managing the revolutionary techniques of the last two decades, makes it impossible for even the knowing observer to sketch the engineer's dominant place in our society."

"We must, therefore, leave it to your generation of this profession to form the background and to etch the image of the engineer on this new canvas."



GAT FOREMEN'S CLUB TRUSTEES took time out for this photograph following an organizational meeting last week. Seated from left are A. F. Wilson (800), Vice President; L. J. Savage (500), Vice President; B. V. Adams (700), President; B. L. Urich (400), Treasurer; C. L. Truman (500), Secretary; and H. J. Rouff (500), Vice President. Other Trustees from left: H. L. Galloway (500), F. E. Pickens (200), J. D. Wilkerson (700), Ex Officio, W. E. Ellsesser (700), R. F. Channel (100), R. L. Schneider (500), H. T. Pettie (700), J. T. Earner (800), and P. E. Smith (300).

Nuclear Energy Is Key To Space

Nuclear energy holds the key to outer space.

The atom as a fuel can drive space ships farther into the universe than chemical fuels possibly could.

Chemical fuels are worthy of their place in the present state of space development — but the nuclear powered space ship is the advanced and coming thing.

These were the comments on the future of atomic energy by Milton Klein, deputy manager of the Joint Atomic Energy Commission — National Aeronautic Space Agency Space Nuclear Propulsion Offices.

In rocketry, Klein pointed out, chemical, nuclear and electric propulsion are all three under active work.

He said that nuclear energy is the advanced of the three, and that both chemical and nuclear fuels have high thrust to weight ratios, while electric has low thrust.

He cited the big advantages of nuclear propulsion as lightness of fuel, long, unattended fuel life for extended journeys, and marked decrease in rocket weight as against chemically propelled rockets.

He reported the use of atomic power in space work goes in three directions — auxiliary power with SNAP-like devices, nuclear heat transfer rockets, and nuclear-electri propulsion.

"A lot has been done," he said, "but a great deal more remains. Successful conclusion of our program will take a number of years".

Goodyear Playing Key Role In Army's Nike-Zeus Program

Huge bubble-shaped radomes of rubberized nylon, designed to play a vital part in the Army's Nike-Zeus "anti-missile missile" system, have been erected at key points in the United States and the Atlantic and Pacific oceans.

Officials of The Goodyear Tire & Rubber Company's Aviation Products division have disclosed that installation of the highly-specialized radomes have been completed at Whippany, N. J.; White Sands Missile Range, N. M.; Ascension Island in the Atlantic, and Kwajelein Island on the Pacific Missile Range.

Nike-Zeus is the Army's anti-missile missile system for detecting and intercepting enemy ICBM warheads.

In designing the Nike-Zeus system, Bell Telephone Laboratories specified that radomes for protecting the target track radar antennae must allow the radar to operate at maximum efficiency. Interference with radar echoes had to be avoided.

To meet these stringent requirements, Goodyear produced a rubberized nylon radome nearly 50 feet in diameter with a unique design feature staggered butt splices in body and crown.

The radomes can withstand extremely high winds, and require only one-half pound of pressure per squire inch for inflation.

Bob Billups Selected For Philmont Training

H. M. (Bob) Billups, chemical operations, has been awarded a Philmont Training Scholarship by the Boy Scouts of America. The scholarship is sponsored by the Sears Foundation.

Billups, who is Scoutmaster of Troop 12 in the Portsmouth District of the Scioto Council, will receive an expense paid training course for scoutmasters at the Philmont Boy Scout Ranch and Training Center located at Cimarron, New Mexico.

The scholarship is awarded to scoutmasters selected from throughout the United States.

The conference will be held June 20-26, 1962.

Troop 28 Receives 50-Star U. S. Flag

Troop 28, BSA, sponsored by the Pleasant Green Baptist Church in Portsmouth, recently received a new 50-star United States Flag from the Woodmen of the World.

Scoutmaster of Troop 28 is W. R. Miller, SS engineering department. Assistant Scoutmaster is Bruce Gilmore, stores department. John Bullard, motor pool, is Chairman of the Troop Committee.

Jim Hurt, document accounting department, represented the Woodmen of the World.

GAT ARCHERS meet each Wednesday in Waverly. The GAT photographer visited them last week and took this candid shot of the group going over scores. Seated is Bill Bloss, Process Area 1. Standing from left are: Ruth Damron, E. A. Damron (811), B. R. Lindsay (811), R. D. Newman (811), and J. C. Mathena (711).

Dials To Be Honored For 4-H Club Work

G. Randolph Dials, engineering costs & property records department, will be among 18 Scioto County 4-H Club advisers honored at the 18th annual recognition luncheon March 22, at Ohio State University.

Mr. Dials will be honored for 15 years adult leadership in 4-H Club work.

TRANSURANIUM ELEMENTS

The Atomic Energy Commission i making neptunium-237 and americium-241 available for sale to its licensees and for export. The principal use for neptunium-237 is as a component of neutron detection instruments. Americium-241 will be used principally in sources for neutron-activation analysis—a technique for using neutron irradiation in the analysis of materials. It may be used also in portable X-ray type applications and for checking the calibration and performance of radiation detectors.

Are You A Leaner Or A Leader?

Every morning and evening when you pick up your newspaper, you read something about the race between our country and Russia in the field of missiles and space ships. Russia first hurled a man into space and brought him safely back to the earth. Who will first land a man on the surface of the moon?

This race is important — tremendously so. And we lare not relax our efforts. But the billions we spend annually for means of defense create only mechanisms which are symptoms and symbols of the underlying cause — THE BATTLE FOR MEN'S MINDS.

What is the thinking of Americans today? Do we really believe in freedom for the individual, or is it just a phrase to which we do lip service? Are you determined to maintain and perpetuate the right to work where you please, live where you choose, attend the church of your choice, and enjoy the unfettered right to form and express your opinion of your government and the form of economy of this nation? Or are you willing to sacrifice and have some of these rights of citizenship whittled away for what is loosely called "collective security"?

Let us sample some current American thinking. Opinion Research Corporation made a survey among a selected group of high school students. They were carefully chosen in an attempt to interview a typical or average group of teen-age Americans. What were the economic views of these young Americans — our future foremen, labor leaders, teachers, preachers, legislators and plant workers.

"62% thought workers should not produce as much as they can.

55% agreed with the socialistic doctrine, "From each according to his ability, to each according to his needs."

27% thought there should be more government control over production.

19% thought industries' annual profits were more than 25%; 26% thought they were between 16% and 25%; 18% thought they were between 11% and 15%.

(Actually 6% to 7% is a mighty good record.)

23% thought the government should own and operate the railroads.

25% thought the government should own and operate the banks."

You say these are only high school students. Well, let's try another group. A Pulitzer Prize winning Professor of History in one of our great universities submitted a series of questions to his students — university students. What were the results?

"Only eight knew what the Bill of Rights is.

Only four knew what a 'right-to-work' law is.

Answers on the national debt ranged from 1 million to 500 billion dollars.

Only 15 came within a few million of the population of the United States.

Not a single one knew whether the President and Congress may exercise powers not granted by the Constitution.

Not a single one could name a scholarly history of the United States or its author."

What can you and I do? It is given to few to man the searchlight of world public opinion from the rostrum of the United Nations General Assembly. Some who are gifted may carry a lighted torch. But all of us can, if we will, light a candle of thought leadership. All of us can, if we will, play a tiny part in the ceaseless BATTLE FOR MEN'S MINDS — this we can do in the shop, office and community in which we work and live.

There are only two kinds of people in the world. The color of your hair, of your eyes, yes, the color of your skin is unimportant. The question is are you a LEANER OR A LEADER? Do you take the time to inform yourself about conditions and affairs around you? And if you do, do you exercise the initiative and courage to do something about them. Or do you let George do it? ARE YOU A LEANER OR A LEADER?

—Excerpts from an address delivered January 27, 1962, by Mr. Harry P. Jeffrey, a Dayton, Ohio, Attorney, in Columbus, Ohio.

LABOR RELATIONS

(*Continued from page* 1)

the issuance of a seal a supervisor signed a card relating to the issuance which it is conceded represented an improper performance of bargaining unit duties by supervision.

The Arbitrator believes that the record submitted in this case establiishes the fact that the Company is empowered to temporarily assign bargaining unit personnel in other classifications to the performance of duties normally carried out by a Materials Man . . . What the Company did here by way of using employees in other classificatiions was clearly permissable under past practice and under controlling arbitration decisions.

The Arbitrator believes that no violation of Article XV, Section 1(a) occurs when Company supervision unlocks or relocks a closed area where certain required bargaining unit duties are to be performed.

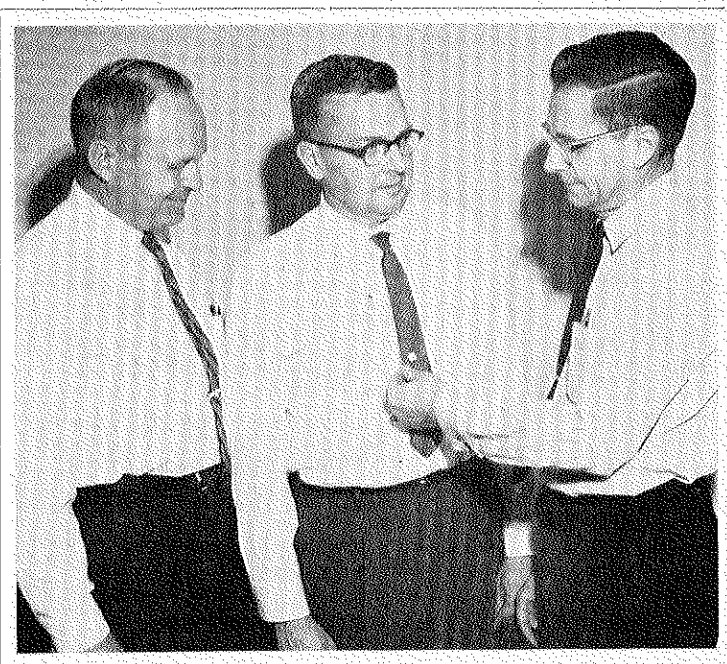
The Arbitrator feels that the particular instance of card signing should be treated as "de minimis", that is, so trifling or insignificant as not to be made the basis of a pecuniary remedy.

AWARD: 1. Company supervision did not violate Article XV, 1-(a) on August 13, 1961, through the temporary use of other classifications in the bargaining uniti to perform the duties of a Materials Man.

2. The record in the case did not demonstrate that the Company violated Article XV, Section 1(a) on August 13, 1961, by reason of supervisory activity in connection witih unlocking and relocking closed stores facilities.

3. The action of a Company supervisor in performing paper work in connection with the issuance of stores on August 13, 1961, was improper. It was not shown, however, to be of sufficient significance to provide any sort of penalty against the Company.

Every man is proud of what he does well.



B. M. HAAS (center), Supervisor, Receiving & Shipping Department, receives his service emblem award, and congratulations upon his twentieth anniversary with the company, from M. R. Zigler (right), Superintendent, Materials & Service Subdivision. H. Watts, GAT Purchasing Agent, views the presentation.

Bernie Haas Completes Twenty Years Service With Goodyear

March 18, 1962, marked the twentieth anniversary with Goodyear for B. M. Haas, supervisor of the shipping & receiving department. He was presented an anniversary tie-clasp last Monday, March 19, by C. L. Jenkins, manager, purchasing & materials division with members of the division in attendance.

Haas began his employment with Goodyear in Akron, March 18, 1942, as a receiving clerk. In October, 1942, he was promoted to supervisor of the janitors of the Akron plant.

He was transferred to Goodyear Atomic Corporation March 16, 1953, as supervisor of receiving, shipping, and janitor services.

A graduate of Lancaster High School, he attended Kent State University and the Ohio University Branch.

Mr. and Mrs. Haas live in Chillicothe. They have two sons and two daughters.

Surplus Property Sale Scheduled April 13 At Warehouse Four

Goodyear Atomic Corporation is having another "Sale." This time it will take place at Warehouse Four, April 13, 1962.

GAT will sell the property described below by Sealed Bid at 2 p. m., April 13, 1962.

The property consists of the following:

2 each AUTOMOBILES, 1955 Ford Sedan
1 each TRUCK, 1958 Ford Pickup
1 each TRUCK, 1955 Chevrolet Sedan Delivery
2 each ROLLERS, Sheepsfoot, double drum
1 each BANDSAW, Metal Cutting
1 each WELDER, 300 amp., Rectifier type
1 each ICE MAKER, Cafeteria type
1 each VIBRATOR, Concrete aggregate

In addition, several lots of miscellaneous office furniture, tub type filing cabinets, chairs, sofas, desks, broken tools, tool boxes, hand trucks, benches, and waterproof canvas duck.

Bid forms will be furnished at the sale site during inspection or will be mailed upon specific request. A bid deposit of 10% is required.

Inspection will be permitted from 8 a. m. to 2 p. m. on April 9, 10, 11, 12, and 13, 1962.

Employees desiring additional information may contact Charlie Ray, telephone extension 2233.

The Story Behind Goodyear Wingfoot

How did the wingfoot become the famous Goodyear symbol?

The responsibility for the adoption of the wingfoot as a symbol, known today in every civilized country on earth, rests to a great extent with F. A. Seiberling, who was founder of Goodyear and for many years its president.

On a newel post in the old Seiberling home on E. Market Street, in Akron, there stood a bronze statue of that famous god of mythology, perched on tiptoe, known to the ancient Romans as Mercury, and to the Greeks as Hermes.

A meeting to discuss the idea of a suitable trademark was held at the Seiberling home in August, 1900. Something distinctively Goodyear was needed to distinquish between Goodyear and Goodrich, since the names were so nearly alike.

At the meeting, which, among others, P. W. Litchfield, late board chairman, attended, was a sketch drawn at Seiberling's suggestion built around the idea of the wingfoot — the winged foot of Mercury. Final decision was made to adopt the winged foot, to be set in the middle of the word Goodyear.

From the time the symbol was adopted the Goodyear emblem has played an integral part, accompanying the introduction of Goodyear products to all quarters of the globe.

Entler Company Champion

Goodyear Atomic Bowling Tournaments

The men's bowling tournament trail came to an end last Saturday as 40 GAT bowlers participated in the Scratch Singles tournament at Weiss Recreation in Waverly. Emerging as the Company Champion was Dick Entler.

March 3, at the Jolly Lanes in Jackson, the Men's Doubles & Singles concluded with winners being declared in the three categories . . . doubles, singles, and all-events.

Glenn McConnell and Noah Gillespie, both of the electrical maintenance department, teamed to win the doubles event with a 1306. Vic Martin, special & mechanical shops department, won the singles championship with a score of 743.

The all-events winner is Jim Fichthorn who totaled 1971 over a nine-game series.

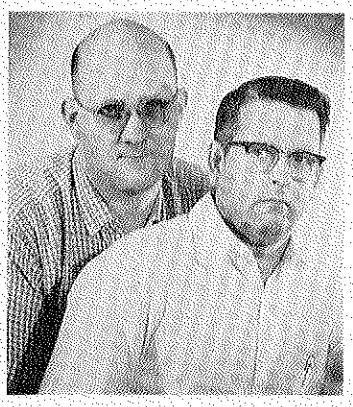
All scores include handicaps.

Second place in the doubles was Clint Wooten and Ralph Leach with 1298. John Richardson and Jack Webb placed third with 1278.

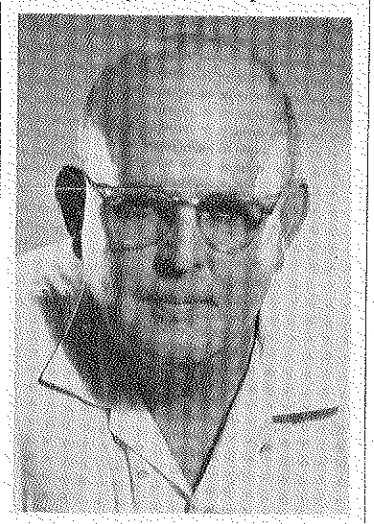
Second and third place in the singles event went to Steve George (704) and Bob Leeth (695).

Cliff Thomas, with a 1949 score, won second in the all-events. Third place was Russ Kelley with 1935.

The top three winners in each event will receive trophies at the annual Banquet of Champions.



GLENN McCONNELL & NOAH GILLESPIE
Doubles Winners



JIM FICHTHORN
All-Events Winner

DONNA OAKLEY & CAROLINE OWENS
Women's Doubles Champions

Shift Golf Leagues Now Organizing

Shift golf leagues are now being organized. Last golf season "A" and "C" shifts had leagues participating at the Skyline Golf Course in Waverly. "D" shift hopes to organize a league this year.

Employees interested in playing in one of these three leagues should contact one of the following: "A" Shift — Norb Vulgamore, process area 2; "C" Shift — Jerry Russell, decontamination department; "D" Shift — Lou Bickett, process area 1.

Annual Duplicate Bridge Tournament Scheduled April 8

The Annual Duplicate Bridge Tournament will be held at the Scioto Lodge on April 8, 1962. Scioto Lodge is located approximately five miles south of Chillicothe just off U. S. Route 23.

Each team will be composed of two players. Participants must be an employee or a relative of an employee. The entry fee will be $6 per team. The entry fee includes light refreshments and dinner which will be served at 6 p. m.

Tournament play will begin at 2 p. m. and continue until dinner time. Prizes will be awarded to the winning teams. The two top teams will be invited to the annual Banquet of Champions.

Closing date for entering the tournament will be Tuesday, April 3.

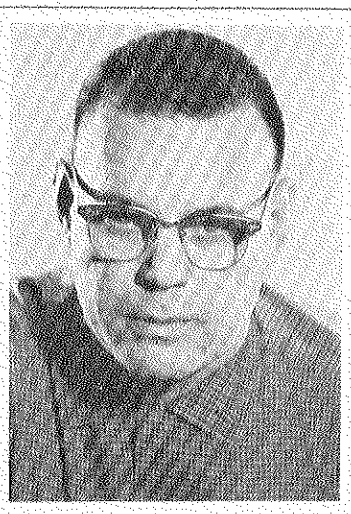
Register with the recreation department now.

Newlyweds

Entler - Johnson

Richard E. Entler and Helen L. Johnson were married March 10, 1962, by the Reverend Sandy Phillips, at the home of the bride's parents in Lucasville, Ohio.

Mr. Entler is in the laboratory services department.



VIC MARTIN
Singles Champion

ATOMIC TERMS And What They Mean

HALF-LIFE — A means of classifying the rate of decay of radioisotopes according to the time it takes them to lose half their strength (intensity). Half lives range from fractions of seconds to billions of years. Cobalt-60, for example, has a half-life of 5.3 years. A radioactive material loses half its strength when its age is equal to its half-life.

HEAVY HYDROGEN — Same as deuterium.

HOT — A colloquial term meaning highly radioactive.

ION — Usually an atom which has lost one or more of its electrons and is left with a positive electrical charge. There are also negative ions, which have gained an extra electron.

IONIZATION CHAMBER — A device roughly similar to a geiger counter and used to measure radioactivity.

ISOTOPE — Two nuclei of the same element which have the same charge but different masses are called isotopes. They contain the same number of protons but a different number of neutrons. Uranium-238 contains 92 protons and 146 neutrons while the isotope U-235 contains 92 protons and 143 neutrons. Thus the atomic weight (atomic mass) of U-238 is three higher than that of U-235.

KEV — Kilo electron volts or 1,000 electron volts. A unit of energy.

KILOCURIE — 1,000 curies. A unit of radioactivity.

LINEAR ACCELERATOR — A machine for speeding up charged particles such as protons. It differs from other accelerators in that the particles move in a straight line at all times instead of in circles or spirals.

Classifieds

FOR SALE

1956 Buick Special Hardtop. 1961 Chevrolet Biscayne. Both with automatic transmission. Radio & heater. Will sell or trade. Telephone (after 4 p. m.) Piketon 3443.

Metric socket and box wrenches—for VW or other car using metric bolts. Telephone Waverly 987-M.

Safety Tips Golfers Should Know

Do you know that the Institute for Safer Living* rates golf ball fallout as more dangerous than nuclear fallout—thus far, at least.

Do you know that the speed of a hard hit golf ball can exceed 250 miles per hour and that the club head can obtain the speed of 200 miles per hour.

Do you know that over 15,000 players, caddies, and workmen suffered disabling injuries during 1961 from activities associated with the game of golf.

Over half of all golfing injuries were caused by balls driven by "trigger happy" players.

Second in major causes of injury was swinging clubs. Standing t close to a fellow player while he w swinging.

Ranking third as a disabling factor was heat prostration, which was blamed on golfing zeal and a lack of common sense in exposure to the sun's rays.

The fourth greatest number of golf course victims were felled by over-exertion, many of them being older golfers.

Lightning, always a major hazard on open golf courses, was estimated to have killed 500 golfers during 1961.

HOW CAN YOU BE *SAFE* — AND NOT SORRY — IN Ggolf?
"Be Courteous — and Alert"

The institute makes this suggestion:

Here are some other safety suggestions:

—Never hit a ball if anyone at all is in possible range.
—Don't take practice shots unless it's your turn to hit.
—Always stand behind the player making the shot.
don't hit unless you know for su
—If a hole is in any way blind, players ahead are out of range.
—If workers are in range, warn them.
—In a wooded or stony rough, be sure other members of your group stand well away while you hit. Be aware of your own safety when your ball is in such a location.
—Beware of the sun; wear a hat; take salt tablets.
—Beware of bees and hornets to whose stings some people are critically alergic.
—If a thunderstorm threatens, get off the course. If this is not practical—take shelter in a grove—never under a single tree. If possible, seek low level protection down in a ditch or sand trap. Next best: lie on the ground.
—Golf courses aren't nurseries — leave children home.
—Remember your age; you are getting older everyday.

* Maintained by the American Mutual Liability Insurance Company.

Last Call For Garden Lot Reservations

Employees desiring a garden lot in the Waverly area should contact the recreation department immediately.

This will be the last announcement concerning the 1962 garden program.

ROY WOLFE & BILL NORMAN
Doubles Champions
Portsmouth City Bowling Association
—Photo Courtesy Portsmouth Ttimes

GAT Bowlers Place In City Tourney

GAT bowlers fared well in the recent Portsmouth Men's Bowling Association Tournament.

The doubles championship was won by Roy Wolfe, steam plant department, and Bill Norman, formerly of chemical operations. These two combined to roll 1,334 to take the doubles title.

Placing third in the singles event was Gene Mutter, shipping & receiving department, with a score of 679.

This year's tournament, the 17th annual event, had 280 participating in the singles and 140 rolling in the doubles. A total of 159 teams entered the tournament.

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