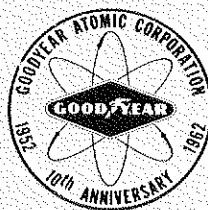
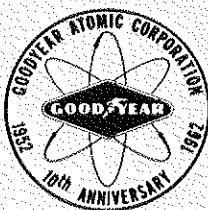


THE WINGFOOT CLAN



GOODYEAR ATOMIC CORPORATION



A Subsidiary of THE GOODYEAR TIRE & RUBBER COMPANY

VOLUME X

PIKE COUNTY, OHIO, WEDNESDAY, MAY 1, 1963

NUMBER 15

Stambaugh Wins Award For Design Of High Speed Counter & Converter

R. B. Stambaugh, Superintendent, Development Laboratory, was one of seven individuals to receive an honorable mention award in the Burroughs Electronic Components Division (BEAM-X) Switch Circuit Design Competition. Stambaugh submitted his design of a High Speed Counter and A/D Converter.

The editors of ELECTRONIC DESIGN, ELECTRONICS, ELECTRICAL DESIGN NEWS, and ELECTRONIC EQUIPMENT ENGINEERING, served as a panel of

judges, and selected four winning circuits and seven honorable mention awards from over 7,000 entries. Each of the winners received a \$1,000 U. S. Savings Bond. The honorable mention winners were awarded a \$100 Savings Bond and honorable mention certificate.

The design competition started in November, 1962, when an announcement appeared in the four magazines. A direct-mail campaign was conducted to the 25,000 design engineers on BEAM-X News mailing list.

Entries post marked January 15, 1963, or earlier were considered eligible for the contest. The circuits were first screened by the Applications Department and were then turned over to the panel of judges for final selection of the winning designs. Since magazines were involved, the editors from each magazine selected a first choice as well as second, third and fourth choices from the circuits that they received. The four first choices were considered co-winners of the contest.

Goodyear Will Build Second Airship Ready For Service In Fall

A \$1.4 million program to build a second airship and refurbish the present Mayflower was announced in Akron April 24, by E. J. Thomas, Goodyear board chairman.

The new blimp, to be named Columbia II, will join the Mayflower this fall in public relations, advertising, and public service operations throughout the country.

Thomas pointed out that the Columbia II, scheduled to go into service in October, "will permit us to fulfill many more requests from communities which ask our assistance in supporting important civic and charitable programs, for which the Mayflower has won nationwide acclaim.

"With two blimps in operation,

we can more than double blimp promotional operations."

Since 1959, the Mayflower — only operating blimp in the U. S. — has participated in innumerable public service functions, including United Fund and March of Dimes drives, sesquicentennial celebrations, winter carnivals, the Seattle World's Fair, and the Mardi Gras.

The decision to build a second blimp, Thomas said, was made after a study of the company's corporate image showed that the blimp is Goodyear's foremost identification symbol in the mind of the public.

When the Columbia II is completed and the Mayflower is refurbished, following its annual good-will tour

this summer, the company will have a set of helium filled, lighter-than-air twins.

Each ship will be 157 feet long with a helium volume of 147,300 cubic feet. The present Mayflower is 150 feet long and contains 132,500 cubic feet of helium. Each of the two blimps will have a lift of 8,200 pounds, with a 6-passenger capacity. They will be powered by 175-horsepower, pusher-type engines with a cruising speed of 40 miles per hour and a maximum speed of 57 mph.

Electronic night signs, to flash public interest messages after dark, will be used on both airships. Consisting of 10 panels on each side — each panel 10 feet, six inches high — the signs can be read a mile away with the blimp at an altitude of 1,000 feet.

Like the Mayflower, the Columbia II reflects the company's tradition of naming its blimps after former winners of the America's Cup Sailing Championships. It was also selected, Thomas explained, because of its historical and patriotic connotation.

Thomas disclosed that the Columbia II will be based during the winter in the Los Angeles area but will be on tour throughout the Southwest and Midwest during spring, summer, and fall seasons. The new blimp is under construction at the Goodyear Aircraft Corporation in Akron and in Litchfield Park, Ariz. The Mayflower's home base is Miami.

The Columbia II will be the 18th commercial blimp in a total of 296 lighter-than-air ships built by Goodyear since 1917. All others were built under contract to the Army and Navy.



FAMED ROVING AMBASSADOR of goodwill for The Goodyear Tire & Rubber Company, the Mayflower, will soon share its status as the nation's only blimp with an aerial twin. The Company is building a second blimp — the Columbia II — which will be identical to the Mayflower.



ONE OF 7,000. R. B. Stambaugh was one of seven persons selected to receive Honorable Mention Awards in the Beam-X Switch Circuit Design Contest. Shown above is Joe Stegman, Manager, Cincinnati Office, Robert O. Whitesell and Associates, Inc., Burrough Corporation, presenting Stambaugh with his awards.

Vehicle Safety-Check

For the tenth consecutive year cities, counties, and community groups throughout the United States will cooperate in helping to protect the lives of motorists by participating in the National Vehicle Safety-Check. Checked periodically and to maintain them in safe driving condition. It also provides an opportunity for free Vehicle Safety-Checks at community-sponsored lanes, with cooperating dealerships, garages, and service stations, on military installations, at industrial plants for employees, and in school or teen-age sponsored programs.

The program includes a ten-point safety-check covering brakes, front lights (and turn signals), rear lights (stop and turn signals), steering, tires, exhaust system, glass, windshield wipers (and washers), rear view mirrors, and horn. The program is promoted in the various communities by key civic leaders in the community, working with public officials, to get the Safety-Check under way.

All communities are invited to join the Circle of Safety . . . Check Your Car — Check Your Driving — Check Accidents!"

The program is promoted in the various communities by key civic leaders in the community, working with public officials, to get the Safety-Check under way.

All communities are invited to join the Circle of Safety . . . Check Your Car — Check Your Driving — Check Accidents!"

HIGH SCHOOL GRADUATES

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

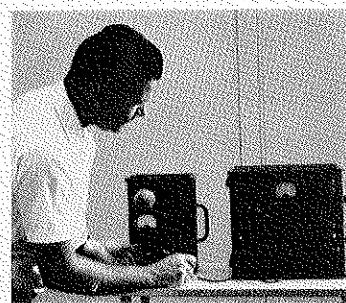
Employees are asked to submit a small black and white picture of the student with his or her name, high school, parent or parents working at GAT, and the department where the parent works. Please do not send colored photographs.

The deadline for submitting the material for this annual feature is May 22. All photographs will be returned after publication of 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.

Health Physics Plays Important Role In GAT Operations

"Health physics is a relatively young science," states Ben Kalmon, supervisor of the department at Goodyear Atomic Corporation. "Historically, it had its origin in 1942, when our nation's top nuclear scientists became reasonably certain that biological hazards could accompany their first successful chain reaction. The health physics field has grown up with the advances in atomic energy, and its accomplishments have been extremely effective, in that very few workers have received radiation injuries in comparison to those injured by conventional industrial hazards."



HARRY McINERNEY prepares to make a noise level survey with the department's Noise Survey Meter and Octave Band Analyzer. McInerney is a Graduate of Linsly Institute of Technology. He resides in Waverly.

The fact that a great many GAT employees work with radioactive materials is well known and officially recognized. It follows that the protection of these employees from possible radiation hazards is a subject of vital interest and concern — not only to the employees themselves, but to their families and the general public in surrounding areas.

"The employees' protection against radiation exposure is our chief concern," he emphasizes, in defining responsibilities of the health physics group which is headquartered in the GAT hospital. "Using electronic detection devices as well as other meth-



RAY E. DEVER prepares to take a radiological air sample to determine the effect plant operations has on our air environment. Dever lives at Lucasville and attended Ohio University.

ods, our people continuously monitor amounts of radioactivity which may be present in the employee's complete work environment — in the air he breathes, on all surfaces within his work area, and on or within his person."

Health physics encompasses two broad areas of radiation — exposure



HELEN GILBERT, Secretary in the Industrial Hygiene and Health Physics Department, at her typewriter ready to prepare one of many reports required of the department.

from INTERNAL and EXTERNAL sources. An internal source radioactive material inside the body, resulting from eating, breathing, or its entering the bloodstream through some type of skin puncture. Detection of internal sources of radiation is accomplished through urinalysis and other radio-chemistry techniques. An external source is one that is outside the body, such as medical or dental X-rays. Film badges are used in various plant areas to measure this type of exposure.



EDGAR C. ASHLEY, a graduate of Southern Illinois University, compiles statistical information for the periodic audit of environment sampling. The results are published in reports to GAT Management, the Atomic Energy Commission, and military and state agencies. Ashley lives in Waverly.

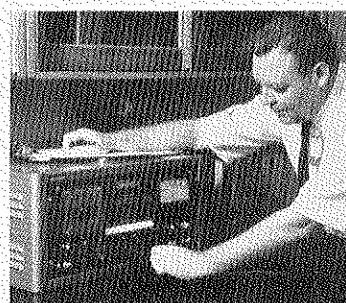
"Complete exposure records are maintained on all employees of Goodyear Atomic Corporation," says Kalmon. "These include not only records of those regularly employed in production, but of those whose work assignments bring him in contact with radioactive materials."

In addition to monitoring the complete plant area, health physics personnel carefully inspect the waters, vegetation, and air of surrounding areas, to assure that this facility is not adding radioactivity to already present background levels. "These background levels," he explains, "are the established amounts of natural radioactivity which have been present in the surrounding areas for millions of years. Fallout from test explosions of nuclear weapons amounts to a small percent of these levels."

Kalmon has been with Goodyear Atomic Corporation since February 2, 1953. Born in New York, he attended the public schools in Akron,

graduating from East High School. He holds the bachelor's and master's degrees from the University of Akron majoring in physics. In addition, he studied nuclear physics at the University of Tennessee and Ohio University extension courses on plant site.

He is a member of the American Industrial Hygiene Association and Health Physics Society; certified in Health Physics by the American Board of Health Physics; certified in Radiological Aspects of Industrial Hygiene; and a member of the American Association for the Advancement of Science.



MICHAEL J. (Mike) KENNY checks the calibration of radioactive source by using the department's Alpha Proportional Counter. He is a graduate of the University of Indiana and now resides in Portsmouth.

"The health physics department includes a well-coordinated, closely-knit group of people — well trained, devoted and loyal to their profession." His staff consists of trained and experienced specialists in the field of industrial hygiene and health physics.



JOHN M. BOOGES exchanges a film in the Film Badge Meter prior to developing the film and determining possible exposure to penetrating radiation. Badges are checked daily, monthly, and quarterly depending on where the employee is working. A graduate of Morehead State College, Boggs now lives in Waverly.

IN MEMORIAM

Thomas A. McClure, 78, died April 16, 1963, in Portsmouth General Hospital. Mr. McClure was involved in an automobile accident April 15, in which it was believed he suffered a heart attack.

A daughter, Connie, is employed in the uranium control and data processing subdivision.



B. KALMON, Supervisor, Industrial Hygiene and Health Physics Department, performs some of the administrative duties connected with the department.

AEC To Make Ten Special Awards To National Science Fair Exhibitors

Glenn T. Seaborg, Chairman of the Atomic Energy Commission, has announced the Commission will make special awards to 10 students who enter the most outstanding nuclear-related exhibits in the National Science Fair International at Albuquerque this month.

A panel of eleven judges will select winners of the Atomic Energy Commission special awards at the 14th National Science Fair-International in Albuquerque, New Mexico, May 7-11.

The panel is headed by Dr. Norman Hilberry, former director of the Commission's Argonne National Laboratory.

The other judges who will serve with Dr. Hilberry at Albuquerque have been selected from the Commiss-

sion's Washington Headquarters and AEC contractor organizations.

Winners of the AEC awards will be selected on the basis of scientific excellence of the exhibit content and its relationship to nuclear science, effectiveness of the exhibit in imparting information to the public, and knowledge of nuclear science displayed by the exhibitor during interviews with the AEC's judges.

The special awards, made last year for the first time, are presented to ten high school students with the most outstanding nuclear-related exhibits at the Fair. Each winner and his science teacher will be entitled to attend a special seven-day "Atomic Energy Research Orientation Week" at Argonne National Laboratory near Chicago in August.

Ten Institutes Awarded By AEC

Ten summer institutes in various nuclear energy subjects will be conducted this summer under contracts awarded to colleges and universities by the Atomic Energy Commission's Oak Ridge Operations. The contracts totaled \$135,600.

Following is a breakdown of the institutes:

Agriculture and Mechanical College of Texas, College Station, Texas, radioisotope technology for college science teachers, \$6,955;

Florida State University, Tallahassee, Florida, radiation biology for high school teachers of natural and physical sciences, \$17,170;

Louisiana State University, Baton Rouge, Louisiana, isotope technology for college engineering and science teachers, \$18,677;

Texas Woman's University, Denton, Texas, isotopes and radiation in the physical sciences for college teachers and radiation biochemistry for secondary school science teachers, \$28,591;

Tulane University, New Orleans, Louisiana, radiation biology for college science teachers, \$15,847;

Tuskegee Institute, Tuskegee, Alabama, radiation biology for secondary school and college teachers of biology, \$16,834;

University of Arkansas, Fayetteville, Arkansas, basic and nuclear physics for secondary school chemistry and physics teachers, \$8,227;

University of Oklahoma, Norman, Oklahoma, isotope and reactor technology for college teachers of physics, chemistry and engineering, \$11,159;

University of Tennessee, Knoxville, Tennessee, atomic and nuclear physics for college science teachers, \$12,130;

SAFETY SCOREBOARD

As of Midnight Tuesday, April 30, 1963, the employees of this plant had worked an estimated 567,000 manhours without a disabling injury.

THE WINGFOOT CLAN

GOODYEAR ATOMIC CORPORATION

A Subsidiary of THE GOODYEAR TIRE & RUBBER COMPANY

ACTING UNDER U. S. ATOMIC ENERGY COMMISSION CONTRACT AT (33-2)-1

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

Publication Office: Community Relations Department, Industrial Relations Division, X-100 Bldg., Box 628, Piketon, Ohio.

Editor
F. D. Hyland

Telephone
Waverly 947-2171
Ext. 2165 or 2514



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

Seat Belts Save Lives

"Seat belts do save lives and minimize injuries in automobile crashes."

This was the statement by the Ohio State Highway Patrol in reviewing its accident figures for 1962.

Of 1,159 accidents in which seat belts were in use, it was the opinion of investigating highway patrolmen that injuries were minimized by seat belts in 840 of these smash-ups.

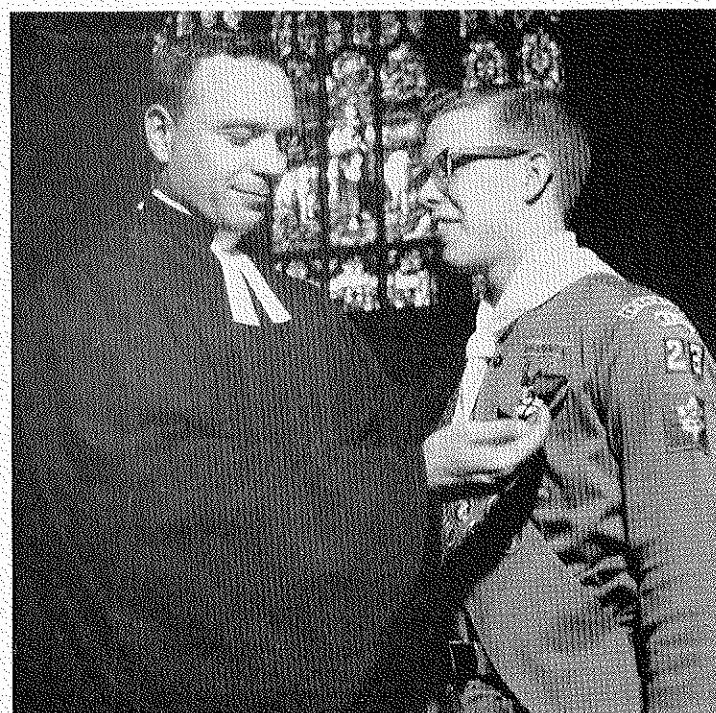
"That's 72 percent," Colonel Scott B. Radcliffe, Patrol Superintendent said, "and if projected over the 73,926 accidents investigated by the Patrol last year, Ohio's traffic deaths and serious injuries would have been greatly reduced.

"Unfortunately only 1,174 (2.3 percent) of the 50,916 passenger vehicles in Patrol-investigated mishaps were equipped with seat belts which were in use at the time. This means 97.7 percent of the passenger cars did not have or were not using this life-saving protection."

The Patrol investigated 1,796 accidents in which seat belts had been installed in cars. But in 637 (35 percent) of these, the belts were NOT IN USE and therefore offered no protection to driver and passengers.

"Install seat belts and use them," Colonel Radcliffe said.

SEAT BELTS DO SAVE LIVES!



EARNED GOD & COUNTRY AWARD. Jim Penland, son of B. W. Penland, Production Division, receives the God & Country Award from his minister, the Reverend Robert L. Gushwa, Pastor of Central Presbyterian Church in Portsmouth. Scout Penland is a member of Troop 23 in Lucasville and a sophomore at Valley High School.

PAUL W. LITCHFIELD MERIT SCHOLARSHIP

James Truman, son of William Truman, manager of design services at Goodyear Aircraft Corporation in Akron, has been named winner of the first Paul W. Litchfield Merit Scholarship.

Announcement of the award was made by the National Merit Scholarship Corporation.

The Litchfield Scholarship was established last year in honor of the late Goodyear board chairman. It is open to all children of employees of Goodyear and its subsidiaries.

The Litchfield Scholarship program was established last year by the late Goodyear executive's widow and two daughters and will consist of four annual four-year awards.

To become eligible for the scholarship, students must take the National Merit Scholarship Qualifying Test while they are juniors in high school.

High scorers on the test become semi-finalists and take a second test in December of their senior year. Those receiving the highest grades at that time become eligible for consideration as recipient of the award.

The National Merit Scholarship Corporation's selection committee considers the students' test scores, high school grades, character, qualities of leadership and citizenship, work habits, and general range of interests in making its decision.

GT&R Officers Re-elected By Directors

All officers of The Goodyear Tire & Rubber Company were re-elected by the board of directors April 1, following the annual meeting of the company shareholders in Akron.

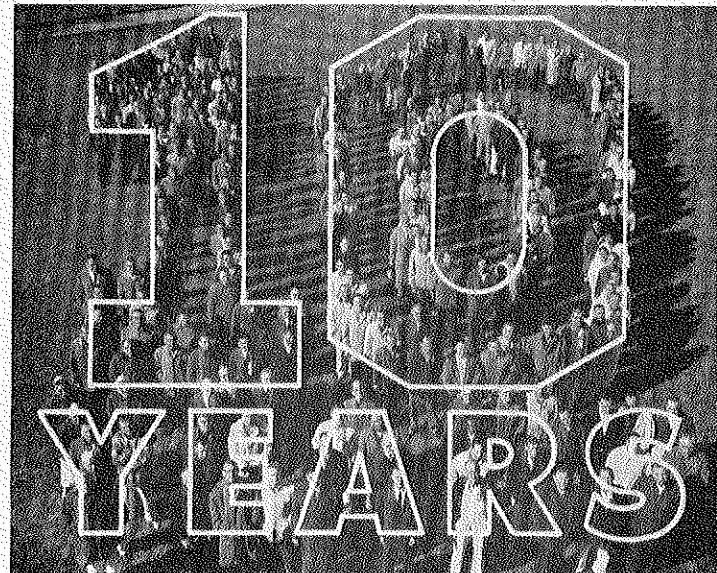
The officers are: Edwin J. Thomas, chairman and chief executive officer; Russell DeYoung, president; Victor Holt, Jr., executive vice president; Howard L. Hyde, executive vice president; Sam DuPree, vice president; Frank J. Carter, vice president; C. Colmery Gibson, vice president; Mark W. Laibe, vice president; Oliver E. Miles, vice president; Arden E. Firestone, vice president and general counsel.

Also Bruce M. Robertson, vice president and comptroller; John F. Bennett, treasurer; Richard L. Miller, secretary; Willard R. Booth, assistant treasurer; John Davies, assistant treasurer; Richard E. Barnett, assistant treasurer; George F. Clayton, assistant secretary; Robert E. Sheldon, assistant secretary; Hollis L. Riddle, assistant comptroller; Norman H. Rothrock, assistant comptroller; James H. Ake, assistant comptroller; and J. Robert Hicks, assistant comptroller.

New Arrivals

Mr. and Mrs. L. S. Butterworth, (materials sampling and testing department), daughter, Teresa Lynn.

Mr. and Mrs. J. E. Richard, Jr., (mass spectrometry department), daughter, Brenda Carol.



TEN YEARS WITH GAT

The following employees will complete ten years continuous service with Goodyear Atomic Corporation on the date indicated:

J. A. Brackey	Dept. 761	May 1, 1963	Portsmouth
A. H. Clary	Dept. 701	May 1, 1963	Waverly
W. A. Hockenheimer	Dept. 732	May 1, 1963	Waverly
F. D. Hyland	Dept. 202	May 1, 1963	South Webster
M. E. Kerr	Dept. 816	May 1, 1963	Chillicothe
L. F. Lauberman	Dept. 221	May 1, 1963	Portsmouth
Meredith Evans	Dept. 401	May 4, 1963	Jackson
M. W. Hartle	Dept. 710	May 4, 1963	Piketon
Muriel Rector	Dept. 227	May 4, 1963	Piketon
C. H. McCann, Jr.	Dept. 761	May 6, 1963	New Boston
E. C. Gearhart	Dept. 721	May 11, 1963	Chillicothe
W. D. Hughes	Dept. 252	May 11, 1963	Portsmouth
G. G. Kizer	Dept. 722	May 11, 1963	Portsmouth
R. M. Meisel	Dept. 422	May 11, 1963	McDermott
H. H. Broady	Dept. 812	May 16, 1963	Chillicothe
H. M. Cutright	Dept. 112	May 18, 1963	Chillicothe
L. J. Homer	Dept. 734	May 18, 1963	W. Portsmouth
R. L. Schneider	Dept. 423	May 18, 1963	Waverly
Helen Seaman	Dept. 374	May 18, 1963	W. Portsmouth
J. T. Rhea	Dept. 111	May 20, 1963	Portsmouth
P. F. Bliss	Dept. 202	May 25, 1963	Chillicothe
C. B. Burkholder	Dept. 761	May 25, 1963	Portsmouth
J. M. Pieper	Dept. 111	May 25, 1963	Piketon

Goodyear Promoting Flag Display

"Show Your Colors," Goodyear's public service program to encourage a greater spirit of patriotism through displays of the flag is now in progress.

In the nationwide effort, Goodyear dealers and Service Stores from coast-to-coast will offer a handsome package which includes a large 3 x 5 foot 50-star flag, a two-section six-foot aluminum flag staff topped by a gold-colored American Eagle, and mounting accessories. The package is being made available to the public at cost — \$2.57. An illustrated manual of Official Flag Etiquette is included in each red, white, and blue package.

The flags are available now at Bierley - Henderson Tire Sales in Portsmouth and the Goodyear Service Store in Chillicothe.

The program has the backing of the U. S. Flag Foundation and the Annin Company, largest flag manufacturer in the country. Goodyear's belief in the value of the undertaking was demonstrated by the placing of what is believed to be the largest single order for American flags from a commercial account.

Four special days which symbolize the American spirit and dedication

to ideals fall within the "Show Your Colors" offering — Armed Forces Day, May 18; Memorial Day, May 30; Flag Day, June 14; and Independence Day, July 4.

Goodyear Expands

An expansion program that will increase capacity by 50 per cent at Goodyear's polyester manufacturing plant at Point Pleasant, W. Va., began late in March.

R. A. Jay, assistant to the president, said that the expansion will be completed by September. The additional process facilities are being added to increase production of pelleted resin, from which synthetic fibers are spun.

The increased output will go to Beaunit Mills, Inc., which recently announced an expansion of facilities devoted to the production of Vycron, a polyester fiber used in the manufacture of clothing.

The Point Pleasant plant, completed in 1959 at a cost of \$10 million, also manufactures Videne, a plastic laminating film made from Polyester resin.

Two 600 Series In Succession

Phyllis Bowling Records A Record Series For GAT Women Bowlers



HOW ABOUT THAT SPORTS FAN? Phyllis Bowling, Power and Utilities Subdivision, seems to be on "Cloud Nine" following her recent excellent bowling series. She followed up with another series of 605 in the GAT Women's League of Portsmouth.

GAT MEN'S DOUBLES TENNIS LEAGUE

An organizational meeting was held on April 11, to set up a GAT Men's Doubles Tennis League.

The following officers were elected to serve the 1963 season:

President — R. G. Murray, Mechanical Development

Vice President — H. E. McComb, Plant Engineering

Secretary — M. L. Geneva, Process Engineering

The sixteen men who had signed up to participate in the tennis program were divided into A and B ability groups by mutual consent.

Following are the team pairings: Maury Geneva and Dick Spaeth; Harold Kelley and Bob Nimitz.

Henry McComb and Merrill Oakley; Chuck Mentges and Boyd Shugert; Bob Murray and Bob Holland; Ernie Salazar and Jim Wesner; Larry Shum and Bill Justice; Paul R. Smith and Ramey Hoskins.

Substitutes include Dave Doner, Gordon Williams, and Don Rahe (OVEC); for the A group. B list substitutes are Vince DeVito, Clyde French, Clair Langebrake, and Phil Morgan.

GAT Archery League Concludes Season

The GAT Men's Archery League and the GAT Mixed Archery League concluded competition earlier this month.

The Men's League was won by a team consisting of Bruce Lindsay (811), Sam Cooley (514), and Al Shifflett (AEC). This team defeated

Ed Damron (811), Jack Mathena (711), and Bill Harbert (810). Competition was close all season. The winners were not decided until the final shoot.

Ed and Ruth Damron defeated Bruce and Charlotte Lindsay for the Mixed League title. This league was tied until the last shoot of the season. The winners won the championship by outshooting their opponents by 53 points.

Jim Surack (532) shot the season's high score — 260. He also had the high average. Ruth Damron had both high average and high score for the women. Mary Surack held the second spot.

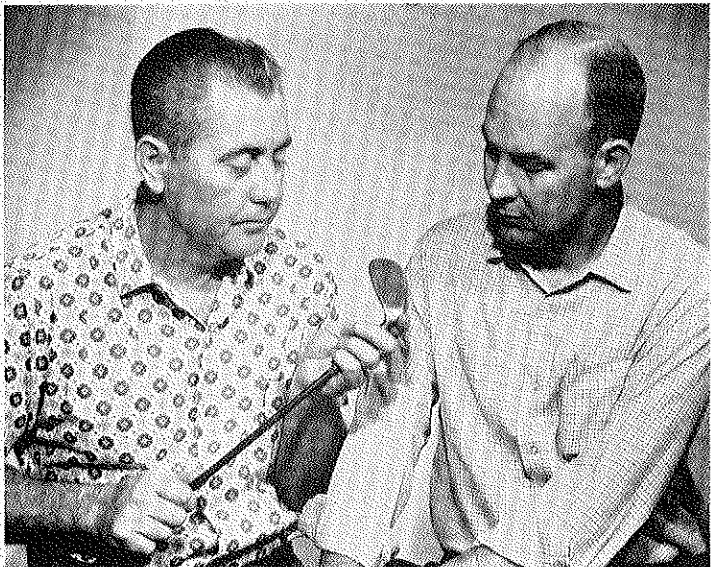
Thirty-six archers competed in the three leagues which were included in the GAT employee activity program. The group competed at the Forest Hills Archery Club.

Officers for the Forest Hills Archery Club for 1963 are: R. J. Blaine, President, process area 4; A. L. Gossage, Vice-President, electrical maintenance department; and Al Shifflett, Secretary-Treasurer, AEC finance section.

Any GAT employee interested in archery should contact one of the officers. Instructional equipment is available for those not having a bow.



SHIFT CHAMPIONS. The "Odd-Balls" won the Seventh Annual Shift Bowling Tournament bowed at the Sunset Lanes in Portsmouth. From left: Bernard Allen, Process Area 3; Dick Jones, Recreation Department; Jehu Grose, Cascade Operations; Walter Fain, Cascade Maintenance and Carl Mullins, Process Area 1. The team represents "C" Shift.



GOLF IS THE SUBJECT here as these two employees discuss the GAT Waverly Tuesday Night Golf League. Bim Walder (left) is the President and Bob Owns is the League Secretary.

GAT Golf Leagues

The Goodyear Atomic Golf Leagues are set to play in three areas with eight teams participating (5 men to a team).

Portsmouth, Waverly (2), and Chillicothe. A Women's League will play the Waverly Skyline Course on Monday evenings. Five teams of two women each have been formed.

Men's Leagues: Waverly has two leagues — one has eight 4-men teams and one has seven 2-men teams.

The Chillicothe League, competing at the JC Course, has ten teams — two men per team.

The Portsmouth Elks League began league action on April 22, contact the recreation department.



THE GAT PORTSMOUTH ELKS GOLF LEAGUE will be represented by these officers for the coming season which opened April 22. From left: Harry Marshall, Secretary; Charlie McCann, Vice-President; and Dave Zelinski, President.

Return Requested

Goodyear Atomic Corporation
P. O. Box 628
Piketon, Ohio

BULK RATE
U. S. Postage
PAID
PIKETON, OHIO
Permit No. 11