

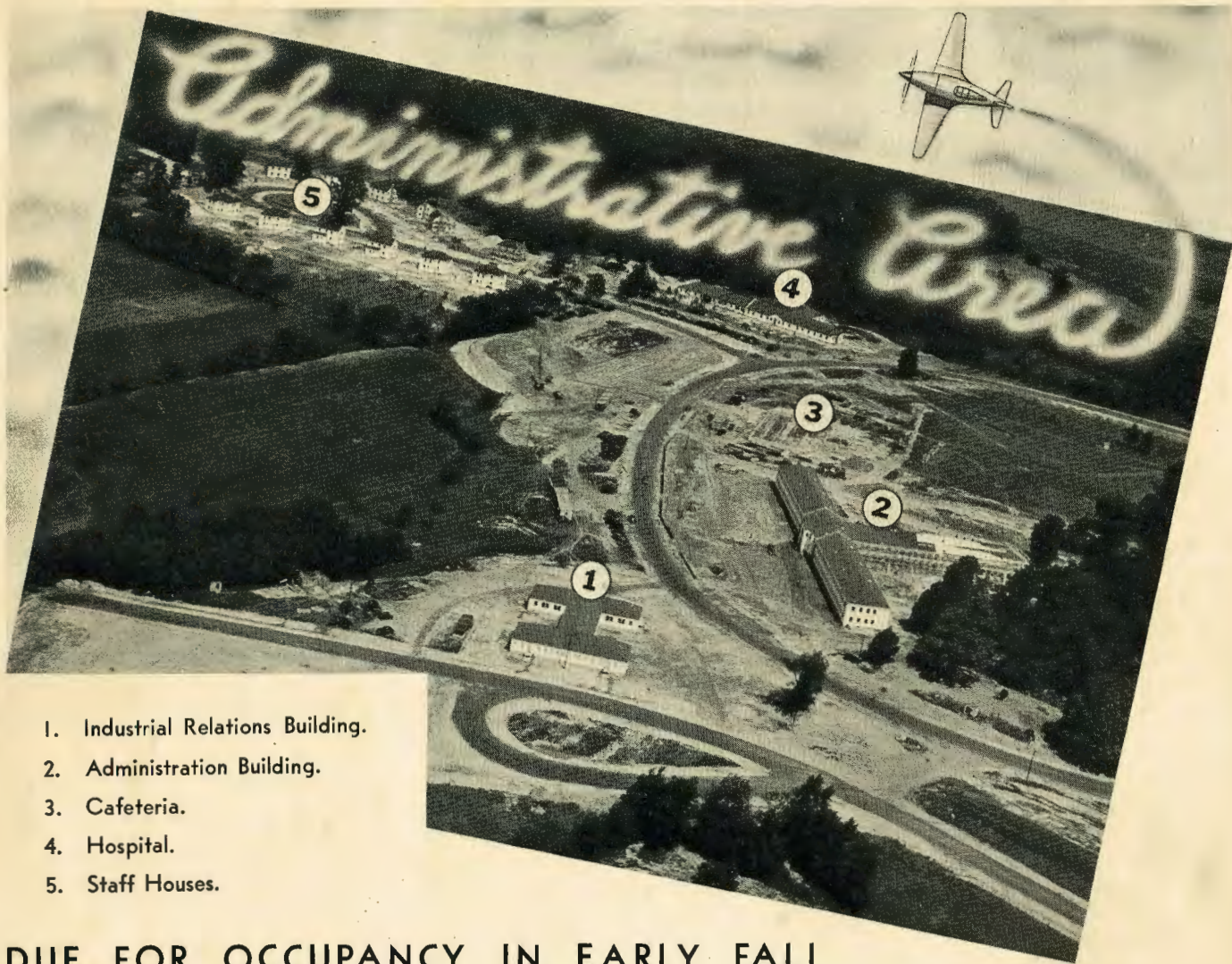


R A V E N N A O R D N A N C E P L A N T

Volume 1

AUGUST, 1941

Number 2



1. Industrial Relations Building.
2. Administration Building.
3. Cafeteria.
4. Hospital.
5. Staff Houses.

DUE FOR OCCUPANCY IN EARLY FALL

Administrative area, R.O.P. . . . situated in the most picturesque section of the entire area . . . short distance from George Rd., north of route No. 5 . . . largest building of the group is the two-story administration building which will house Atlas and War Department executives . . . the H-shaped building will be the home for the Industrial Relations Department . . . 15 staff houses will be seven or eight rooms each . . . a modern hospital will consist of four four-bed wards, five private rooms, convalescent room,

operating room, X-ray room, physiotherapy room, pharmacy, emergency room, dispensary, central supply room, surgeons' offices, night doctor's office, superintendent of nurses' office, record room, and waiting rooms . . . cafeteria will be situated between administration and hospital buildings . . . also included in this area . . . a guard office and garage, fire station, laboratory, laundry, repair garage, power house, and several parking lots . . . new access roads to the buildings are nearing completion.



Official publication of the Ravenna Ordnance Plant, Ravenna, Ohio

J. C. Donnal... Director of Industrial Relations

Paul A. Ryan... Editor

Division Editors

- Miss Evelyn Horne... Atlas
John Bjorkman... Sports
Miss Randa Tozer and Al Six... War Dept.
Fred Kellogg... Commissary
L. R. Brice... Features
Mrs. Betty Rowley... Special Asst.



It Takes Cooperation . . .

Realizing the importance of safety at the Ravenna Ordnance Plant, a committee of five persons has been organized to formulate an extensive safety program...

Members of the committee are: D. J. C. Copps, Plant Engineer, Chairman.

J. C. Donnal, Industrial Relations Director.

C. H. Williston, Production Superintendent, Fuse & Booster Lines.

L. E. Anderson, Production Superintendent, Loading Lines.

J. W. Graves, Superintendent of Transportation.

Because of the immensity of the task of organizing an all-inclusive, comprehensive safety program, H. Howard Turner of the Atlas home office has been called upon to assist the committee in coordinating safety activities.

In some instances, certain regulations set down by the committee for you to follow may appear unnecessary, but THERE IS A REAL AND VITAL REASON BACK OF EACH ONE. They are made for your protection!

As a preview of what the committee has in mind, "R.O.P." has secured a copy of the introduction to the safety manual. It reads:

"The Plant is a major part of the program for National Defense and its continuous operation is imperative. Every means will be used to insure regular operation, to safeguard the personnel and the Plant property.

"The Company believes in maintaining good working conditions. The advan-

tages of a safe, comfortable, and well-lighted working place are recognized; and every reasonable effort will be made to provide these conditions.

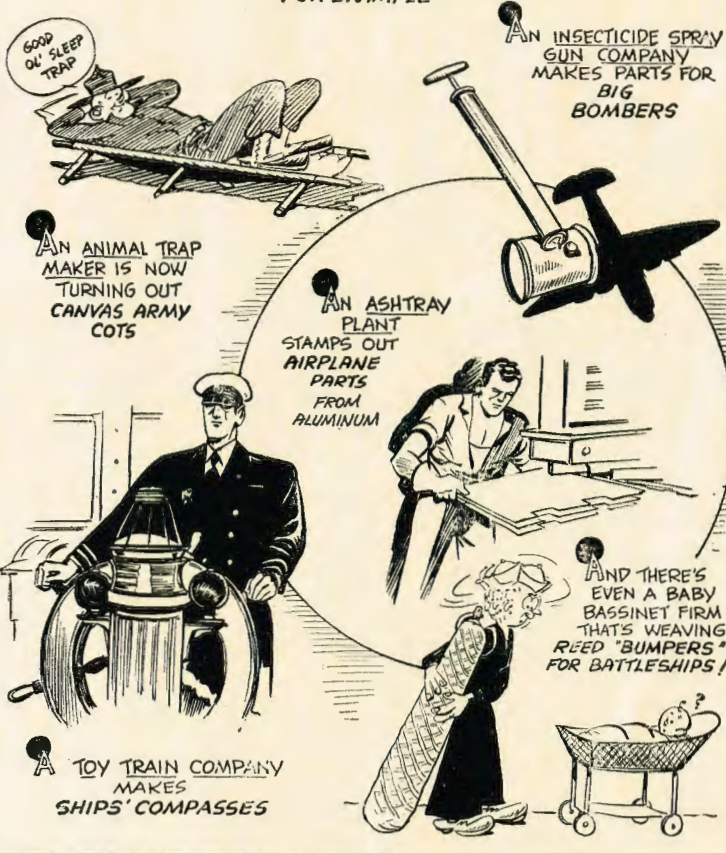
"The Company strives to prevent accidents by fostering a thorough safety program, including systematic inspections, proper instructions regarding safe practices and the providing of adequate protection and equipment for the elimination of accidents, hazards, and fire.

"Our Safety is accomplished by a sincere and constant cooperative spirit among our employees. We have found in our experience that merely to talk does not make Safety a fact."

Yearly average production of shoes for civilian use in the United States is estimated at more than 400,000,000 pairs.

THE POCKETBOOK of KNOWLEDGE BY TOPPS

MANY U. S. COMPANIES, IN ANSWER TO THE NATION'S NEED FOR DEFENSE EQUIPMENT, BEGAN MAKING NEW KINDS OF PRODUCTS ALTHOUGH THEY WERE USED ONLY TO PEACETIME MANUFACTURE-- FOR EXAMPLE:



Coming Events . . .

- Aug. 14 Movies.
Aug. 19 W.P.A. orchestra and movies.
Aug. 20 Softball championship game.
Aug. 21 Arsenal band and movies.
Aug. 22 Warren A. C. vs. All-Stars baseball team.
Aug. 26 W.P.A. orchestra and movies.
Aug. 28 Movies.
Sept. 2 W.P.A. orchestra and movies.
Sept. 4 Bruce Pickens band and movies.
Sept. 9 W.P.A. orchestra and movies.
Sept. 11 Movies.

Atlas Powder

The Dr. Frank Wilcoxons will challenge anybody in the building to stand up with them on one of their bicycle tours. Recently they biked to Lakewood and after that expedition, we feel rather certain that nobody here will accept the challenge.

* * *

A good many of the boys from Tamaqua are enthusiasts for the Cleveland-Detroit boat trip. We've heard though, that the trip which they took was almost as strenuous as the Wilcoxon's bike tour. No names mentioned, of course, but we understand Carl Taylor has a schedule. Something to listen to: Roger Buettell giving a piano recital, transmitted via telephone at an early hour.

* * *

Joe Laughlin is searching diligently for some authoritative information on when a person reaches middle-age. One day he's sure he knows; the next day he's not so sure.

* * *

We've heard about folks who drive with their brakes on, but ask Dot Bobst how a typewriter can get up speed with three or four brushes holding it back. We recommend all typewriters being properly serviced before being handed out to secretaries.

* * *

Why do all the good-looking men in the Accounting Department take themselves out of circulation? Now Duane Mayhew has gone and done it! Too bad, girls.

* * *

We hear that Dare Heydrich and George Rice have the swankiest apartment in Kent. We don't know who did the interior decorating, but cherchez la femme.

* * *

Bill Sheehan certainly takes the long route back to Ravenna from Savanna, Ill.—via Tamaqua.

* * *

The engagement of Joseph A. Mulvey, Industrial Relations Dept., to Miss Helen Huefner, is announced. Congratulations, folks!

* * *

Frank C. Gromann, former assistant to D. D. Huyett, left Saturday for the T.N.T. Plant at Weldon Spring where he will be Chief Power Engineer.

Personality Projectiles . . .



Roger B. Buettell

Born in Iowa . . . Graduated in Civil Engineering at University of Wisconsin . . . a Cleveland by adoption . . . Captain, Field Artillery, World War I . . . Director of Purchases, Ravenna Ordnance Plant . . . Hobbies—hunting, fishing, contract bridge—would rather do any of these than eat . . . Recently reported to have taken up golf . . . Married, three children.



A new member of our organization is S. L. Brewster, who came here from the Wilmington office. Brewster is assistant to D. D. Huyett, Tool and Equipment Engineer.

Cafeteria, Restaurant Manager Is Selected

A. M. Lucha, at present Commissary Manager for the Hunkin Conkey Construction Co., is to be appointed manager of Atlas Cafeteria and Restaurant, it was announced here today.

Lucha came to the Ravenna Ordnance Plant last October to purchase equipment and supplies and set up the present Commissary organization.

He graduated from the Department of Hotel Administration, Cornell University in 1935 with a B. S. degree.

Subsequent to his graduation he had been associated with the Fort Schuyler Club, Utica, N. Y. and the University



A. M. Lucha

War Department

The first class of War Department Ordnance Inspectors held a picnic recently at the farm of Edward Hamersmith at New Waterford.

Attending were Emmerick Stupar, Herman Paine, Virgil Roberts, Hubert Brunner, and their wives.

* * *

Congratulations to former Capt. Willard C. Chandler, Assistant to the Constructing Quartermaster, who recently was elevated to the rank of Major.

* * *

The marriage of Miss Mary Utley of the Property Office to Corp. Jack Shields of Camp Custer, Michigan, has recently been revealed. Mrs. Shields has resigned to take up residence in Michigan.

* * *

Miss Marie Knapp, Mail & Records Section, has announced her approaching marriage. Name of the lucky man is still a dark secret as far as this column is concerned.

* * *

Mrs. Wanda Fisher, Property Division, has been transferred to Fiscal Auditing as secretary to John A. Vormbaum.

* * *

Receiving the rank of 1st Lieut. is former 2nd Lieut. Fred H. Johnson, Assistant Safety Officer.

* * *

Capt. E. H. Haine has returned from a week's visit at the Savanna, Ill. Bomb Loading Plant.

* * *

Announcement has been made of the engagement of Harry Hugill, Time Division, to Miss Ruth Lea, former Kent State University "Pigskin Prom" Queen.

Club, Rochester, N. Y. He served with Childs' Restaurants in the capacities of Student Manager, Kitchen Steward and Night Manager of their larger restaurants in New York City and Atlantic City. He was employed by the American Hotels Corporation as Night Manager of the Hotel Dauphin, New York City, and Hotels Statler Co., Inc, in the Sales Department and later as Assistant Manager of the Buffalo Statler.

Lucha is married and the father of a three year old son, Gerald Vincent.

Shell Loading

A NEW INDUSTRY FOR OHIO

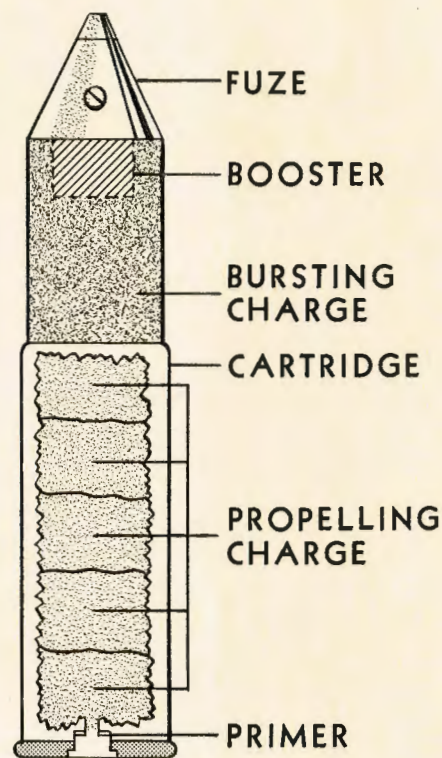
THE summer of 1941 saw the rise of a new industry in Northeastern Ohio. The task of loading shell was virtually unknown in this locality until a year ago when the Government announced its plan of building a plant here. Operations will be on the largest scale ever attempted anywhere in the world.

Shell loading, although a modern industry, is not highly mechanized; yet the output of this plant will top the total output of the entire U. S. two years ago.

Before discussing the uses and characteristics of ammunition, a brief resume of the history of explosives seems in order.

First mention of an explosion is found in Greek history about 668 A. D. Following use by the Moslems in their Crusades of 1225 to 1250, a reference is found in the writings of Marco Polo, in and about the city of Chan-Clu in 1274 A. D.

Roman Candles were used by the Chinese about 1259 and Roger Bacon mentions "powder — composed of saltpeter, charcoal, and sulphur" in his Opus Tertium about 1250 A. D.



... Fixed Round

ciis Regum, dated 1326 A. D. that the first drawing of a rudimentary gun was produced.

Contrary to popular belief, a shell is the body of the projectile. A projectile is a combination of the shell, fuze, booster and bursting charge. Other parts of a complete round of ammunition are the cartridge case, primer and propelling charge.

There are three types of rounds: 1. Fixed, 2. Semi-fixed and 3. Separate loading. The latter is for large weapons and is loaded separately because of its excessive size and weight.

The three principal types of weapons are:-

1. Guns—Cannon whose trajectory is relatively flat and whose muzzle velocity is high.
2. Howitzer—Cannon whose trajectory is not as flat as that of a gun, and whose muzzle velocity is lower than that of a gun.

3. Mortar—Cannon that is fired at a high angle of fire and whose muzzle velocity is lower than that of a gun or howitzer. This weapon "lobs" its projectile toward its destination and is incapable of shooting long distances.

When ammunition of the type loaded in Ravenna, is fired, the sequence is as follows:

The firing pin of the gun hits the primer, which ignites and sets off the smokeless powder in the cartridge case. This explosion provides the power to hurl the projectile toward its destination.

Rifling the barrel of the weapon rotates the shell at a terrific speed. The centrifugal force caused by rotation of the projectile is sometimes used to "arm" the fuze and booster.



The fuze of the projectile initiates action in the explosive train when the projectile reaches its destination.

The booster is that unit in the explosive train, loaded with "tetryl" or trinitrophenylmethylnitramine which insures high order detonation.

The bursting charge may be TNT or one of several other high explosives.

The U. S. Government has exercised every caution in designing ammunition to insure the safety of persons handling it. A typical fuze, containing 27 parts, has 13 parts devoted solely to safety.

Shell loading, although it presents many hazards, is not a dangerous task. However, carelessness has destroyed more men than all the wars of the world.



* 1250 A.D.

The Moors in their siege of Nieble, Spain in 1257 A. D. are reported to have "launched stones and darts from machines and missiles of thunder and fire". It was in a manuscript, De Offi-

PRE-SENT-ING—The Ravenna Ordnance Players



Shown at left is Lori Newman, Hunkin Conkey athletics director, who drew a big hand for his comical musician's act.

W. C. "Nefty" Scharff, head waiter at the Commissary, proved that there was plenty of life left in the old "dogs" when he presented an old-fashioned clog.

Another pair of "old" troupers, in years of experience, are Bobby and Buster Knapp, stars of Knapp's Comedians, who have shown their wares in nearly every country of the world.

MORE than 500 persons were able to find seats but an equal number were turned away when the Ravenna Ordnance Players gave their first presentation in their improvised theater, barn 23.

Organized less than two months ago, the organization has increased in numbers until now there are more than 100 persons staging a friendly rivalry for parts in forthcoming productions.

Aims of the group are: 1. To provide an opportunity for workers to meet socially. 2. To produce plays and programs for the entertainment of other workers at the Plant. 3. To plan and encourage social dances. 4. To offer an opportunity for persons working at the Plant to spend their leisure time in some phase of social expression.

Charter members of the organization are Misses Evelyn Smith, Betty Beebe, June Bird, Carolyn Bush, and Audrey Baer; George Heflich, L. W. Seigrist, George Champion, Gene Clark, James Calloway, G. A. Songer, Stanley Kay and Lori Newman.

Veterans May Organize Post On Reservation

Efforts are being made by several employees of the Ravenna Ordnance Plant to form an all-inclusive organization of veterans of the armed forces of the United States.

The post, which would have headquarters on the reservation, has been sanctioned by Lieut. Col. R. S. Chavin, Commanding Officer and Constructing Quartermaster of the Plant and Depot.

Those fostering the idea have asked that persons interested in organizing such a post, leave their name and address, together with any suggestion which they may care to make, in the "R.O.P." office, room 35, Atlas building.

Persons who took part in the first presentation were Gene Clark, Lawrence and Herbert Elder, Miss Betty Teeple, Leo Conway, Don Cain, Ted Schmidt, Johnny Long, Tommy Radcliffe, Gene Fontaine, Albert Etling, W. C. Scharff, Lori Newman, Buster and Bobby Knapp.

Capt. Hillyer, Staeffler Leave For Arkansas Plant

Two pioneers of the Ravenna Ordnance Plant, Capt. Justin D. Hillyer and Richard P. Staeffler, of the Ordnance Department, U. S. Army, left Aug. 1 to take up duties at the Arkansas Ordnance Plant, Jacksonville, Ark.

Captain Hillyer was the first Army officer at the Plant. Assigned as Commanding Officer and Constructing Quartermaster on Sept. 14, 1940, Captain Hillyer supervised early construction which saw the use of many unorthodox engineering feats, deemed necessary to maintain the rigid construction schedule set by Washington.

Captain Staeffler, assigned to Ravenna, Oct. 24, 1940, came direct from the Office of the Chief of Ordnance and worked hand-in-hand with Captain Hillyer in solving early engineering problems.



SPORTS

He who makes wise use of his life allots a goodly portion of it to recreation

Seen ON THE SPORT SCENE

By JOHN BJORKMAN

J. A. "Jedge" Laughlin umpiring an Atlas hardball game and nonchantly taking his life in his hands with H. W. "Cue Ball" Ruth and F. H. "Lochinvar" Tuke throwing pop bottles and making dire threats from the sidelines.

* * *

Ken "Mighty Casey" Lowry taking a tremendous "cut" at a baseball and being compensated for his efforts with a dislocated hip. It looks like "Casey" needs a few lessons to loosen up his joints.

* * *

We understand that the War Department Material Checkers have a good volleyball team and play every morning. They are seeking a game with some other team on the "owl shift".

* * *

Fire Chief Kelly doing some pretty keen umpiring and making very few mistakes.

* * *

Hall of Fame

During the past month we have selected the following persons as most likely to succeed in their respective sports:

Softball—Fred Konrad (Pitcher, Electricians).

Hardball—J. Esmond and Charles Stalanker (Keystone Combination, Plant All-Stars).

Horseshoes—Elton Underwood.

Tennis—O. K. Klaffer and John Sanford.

Umpiring—Ask the Fire Department.

Swimming and Wrestling—Sam Reese.

* * *

Golf Tips

Ralph Parker, Chief Tool Inspector, has several suggestions one must beware of, regarding one's opponent in golf.

1. Ask your opponent to turn his pockets inside out before starting a match and notice if there are any holes in them through which a ball might be dropped in a convenient spot. If he requests to look

Speaker, Baseball's 'Gray Eagle' To Coach Plant All-Star Team



... Tris Speaker

New Uniforms, Diamond, Expected To Help Squad

Tris Speaker, baseball's "Gray Eagle" and one of the most popular players ever to assault the horsehide, will serve as special coach for the newly-organized All-Star baseball team, it was announced today by Lori Newman, recreation head.

Speaker, who in 1920 managed the only championship team that Cleveland has ever had, is scheduled to visit the Plant this week for the first "lessons".

Although the baseball season has passed the midway point, the All-Star aggregation has scheduled several games and is still looking for more. Equipped with a new "big league" diamond and new uniforms, the team is expected to give a good account of itself for the remainder of the season.

Tommy O'Beirne, of the Hunkin Conkey Co., and Vic Collings of Atlas are assisting Manager Bill Klinger in whipping the team into shape.

at your pockets, you have to change the subject as best you can.

2. Have your opponent kick a golf ball. If you know you can kick it further than he, just forget about it.

3. Accidentally break the point of his pencil so that you will be forced to keep his score as well as your own.

4. If your opponent is dressed in green and has his clubs painted green to match the landscape, insist that he change his clothes and put red ribbons on his clubs so you can count his strokes. If you are likewise attired, just hope that you can guess lower than your opponent can count.

5. Don't let your opponent take your mind off the game by calling your attention to mythical airplanes, etc., when you approach a water hazard.

* * *

Large sums of money have been lost as a result of the "grudge" tennis match between O. K. Klaffer and Paul Ferguson announced in last month's

It Really Happened!

Baseball record books provide scores of "unbelievable" situations. Here is one submitted by an "R.O.P." reader.

A baseball team gets one triple, one double and four singles in one inning, yet fails to score a run.

The first batter triples but is out trying to stretch the hit into a homerun. One out. The next batter doubles and the following batter singles. The man on second is put out at the Plate trying to score on the single. Two Out. The next two batters single, loading the bases with two out. The sixth batter hits a ball that strikes a base runner. The batter is credited with a single but the runner is the third out.

"R.O.P." Ferguson still maintains that he will some day be the victor . . . no matter how long or how hard he has to practice.

Electricians Win A League Playoffs

Four Teams Still Remain In B League Competition

With the classy Electrician team already "in" as champions of the A league and four teams still "fighting it out" in the B league, softball followers are looking forward to the final playoffs to decide the winner of the first softball championship of the Ravenna Ordnance Plant.

Teams still in the running for the B flag are the Commissary, Railroad Construction, F. A. Pease Engineering and Wilbur Watson Engineering.

There were originally 28 teams entered in softball leagues. The teams were paired and the winners formed the A league. Losers were placed in the B league. When a team lost in A competition, it was moved down to the B league and when a team lost in B competition, it was eliminated.

Champion



... Bill Toward

A post season tilt will see the championship team pitted against a depot team managed by Gus Quatman. The team was formed too late to enter the playoffs.

Toward Offers Services As Badminton Instructor

Bill Toward of the Hunkin Conkey Purchasing Department has kindly offered his services to coach any badminton aspirants at the Plant.

Bill has had quite a little experience at the game. He has managed the Euclid Ohio Badminton Tournaments, played and managed in the Turner's National Contest, won the Lake Erie Championship for the past two years and has played in the Northeastern Ohio A.A.U. ...singles and mixed doubles tournament and qualified for the National A.A.U. Championships for the last four years.

Anyone want to challenge Bill to a match?

Challenge Accepted

The City of Ravenna tennis champions, in both singles and doubles, have challenged the winners of the R.O.P. championships. The challenge has been accepted and matches will be played on a home and home basis.



Members of the A league championship softball team are, back row, left to right: James Kilbane, Lawrence Patton, Thomas Stafford,

James Krakora, Howard George, Charles Ferguson, Fred Gang, Leo Gavin, Robert Hays.
Second row: Fred Konrad, Lori Newman, Jay

Gang, Oscar Manifold, Lee Dominick, Joe Nagel, Jack Trevor.
Front row: Michael Lavelle and Earl Reichard.

Death and Taxes Have New Buddy - - - Fingerprints



Miss Rosella Povirk, Employment Division, is fingerprinted by Vincent Davido, who will supervise the task of "printing" all employees here.

At right is an enlarged fingerprint, possessing the following characteristics:

Explanation of Characteristics

- | | |
|------------------|------------------|
| 1 THE CORE | 16 BIFURCATION |
| 2 BIFURCATION | 17 BIFURCATION |
| 3 BIFURCATION | 18 LEFT DELTA |
| 4 CICATRIX | 19 ISLAND |
| 5 ISLAND | 20 CICATRIX |
| 6 RIGHT DELTA | 21 BIFURCATION |
| 7 BIFURCATION | 22 ABRUPT ENDING |
| 8 BIFURCATION | 23 BIFURCATION |
| 9 ABRUPT ENDING | 24 BIFURCATION |
| 10 ABRUPT ENDING | 25 ABRUPT ENDING |
| 11 BIFURCATION | 26 ABRUPT ENDING |
| 12 BIFURCATION | 27 ABRUPT ENDING |
| 13 ABRUPT ENDING | 28 ABRUPT ENDING |
| 14 ABRUPT ENDING | 29 BIFURCATION |
| 15 CICATRIX | |



EVERY person can be a strict individualist in at least one thing — his fingerprints.

This fact has been proven in the past and will be borne out at the Ravenna Ordnance Plant in the near future when all employees will be fingerprinted.

No, ladies, fingerprinting doesn't hurt. All you do is press your fingers to an inking pad and then print their impression on a regulation F.B.I. form. The whole procedure does not take more than a minute or two, providing your hands are clean. Check your own fingerprints if you wish, and you'll notice that none of your ten impressions are alike. Latent prints, made of four fingers on each hand simultaneously, will be taken. These prints are similar to those which you would make on a door as you close it or on an object which you would carry or handle.

Fingerprinting will be a part of the plant's employment procedure when operations get under way. Each employee will be printed before being put to work. All prints taken for employment will be checked with the F.B.I. files in Washington or the police records in the applicant's home town or state.

This idea of fingerprinting is becoming more popular every day and soon may be compulsory for all U. S. citizens. At present, most hospitals either fingerprint or footprint new born babies. All men entering the armed forces of the U.S. or C.C.C. are fingerprinted. Most industries working on defense orders are fingerprinting employees.

Take Posts Here

Four new officers have been assigned to duty at the Ravenna Ordnance Plant. They are: Major M. G. Gallimore, 2nd Lt. E. C. Barbero, 2nd Lt. R. R. Laurell, and 2nd Lt. W. H. Kuhn.

The average consumption of steel in this country equals 600 pounds a year for each American. The comparable average for textiles is 30 pounds, and for oil products, 2,500 pounds.

The amount of money that the United States has already spent on defense is estimated at twice the value of all the farmlands in the original 13 states,