



# The ATOMIZER

BE SECURITY CONSCIOUS



The water you drink at the Portsmouth Area AEC installation is safe and clean through the conscientious efforts of the men shown in the picture above. Pictured on the platform amidst several water barrels are, standing left to right: Foreman R. H. Baucum, Superintendent V. E. Crumley, D. R. Powell, E. C. Knauff, and F. Riggs. Kneeling: W. Hall, L. Hall, and Ray Robinson.

## PKS BUILDING SERVICES DIVISION SAFEGUARDS WATER SANITATION

The next time you stop to take a long drink of water at one of the 454 water barrels scattered over the project, stop for a moment and think of the work required just to insure that you are drinking good, cold, and safe water.

Chief of the Building Services Division, W. H. Quillin, has recently released a statistical analysis of the water supply operation which is extremely revealing. Although there are but 454 barrels and cans in the field now, at one time the figure reached a peak total of 977. This was in July of 1954, when close to 23,000 workers were on the job.

The maintenance and service of the barrels alone is a very interesting process. All barrels are removed from service and sterilized each week. To insure precise control in the handling and cleaning process each barrel is marked and dated prior to being placed back in service, and each carries a padlock to safeguard against handling by persons who might in some way contaminate the water.

The cleaning and sterilizing process begins with the containers being placed in the first of three bathing and scrubbing tubs. The barrels are first scrubbed in clear hot water by personnel who must at all times wear sterilized rubber gloves. Next, each is placed in an Iobec (iodine compound) detergent and scrubbed with wire brushes. The final rinse in the cleaning process consists of washing in Iosan, which is another iodine bactericide without detergent and kills germs as a rate 20 times stronger than chlorine. Once all containers have gone through the three baths, they are then sprayed with steam at very high temperatures and stored upside down until ready to go into the field.

Many of the barrels come back from the field damaged through misuse by employees,

and others have lost the paraffin which lines the inside. In these cases they are all repaired by a carpenter and a new paraffin (Continued on page 4)



Laborer Ray Robinson holds a barrel over the steam nozzle as the high temperature steam swirls around him.

## ERECTOR OF PIPE MAJOR TASK PERFORMED BY GRINNELL

### PG, Auxiliary, Instrumentation And Test Groups Work As Teams In Each Process Building On Job

The Grinnell Corporation's Erection Division, under the direction of W. F. Kistler, with approximately 3,000 manual employees, is the largest single division at the local AEC installation. Along with this tremendous size in personnel goes the enormous task of erection, connection, and testing of the many thousands of miles of pipe for the huge gaseous diffusion project. Plans are made, prints are drawn, talks are given—but the real job which sees the plant take material form is done by these men in the field.

The three thousand men are integrated into crews for work in each building in such a manner to provide for maximum expediency. Each process building is served by a unit of five coordinated groups. The pictorial layout accompanying the story (page two) illustrates PG piping, auxiliary piping, instrumentation, testing, and millwright groups with equipment handling fitters. Many similar units composed of the five crews are found in each building performing the duties of the erection operation.

The erection of the process gas pipe by the PG men alone involves the handling of approximately 19,000 tons or 80 miles of pipe from 1/4 inch to 54 inches in diameter. This erection needed 62 miles of arc welding to complete connections.

The auxiliary group in the erection of water cooling lines, air, steam, and other systems have placed in operation more than 410 miles of pipe. Imagine a line from 1/4 inch to 54 inches in diameter stretching from Chicago to Pittsburgh! Close to 200,000 supports and hangers were needed to complete the erection and the majority of these were fabricated and as-

sembled here at the job. The instrumentation group, in completing the pneumatic connection of the PG and auxiliary pipe, have used close to 1,000 miles of copper tubing and provided for connection of some 60,000 instruments.

For the sake of convenience and efficiency the testing operation has been divided into nearly 15,000 different systems. Each system is then given two and sometimes three separate tests to insure that it is operating properly. If each system were given but two tests the number of tests would be 30,000 individual runs. Test and re-test—check and re-check—it must be right; thus, the tremendous responsibility of the test groups!

Equipment handling groups were confronted with a real problem in being required to place equipment up to 22 tons in weight and yet extremely delicate and intricate in construction. Special slings and methods of handling were developed and thus far the men have not dropped or damaged one single piece of equipment in more than 33,806 tons—the equivalent of a train of cars nine miles long.

Thousands of men with thousands of duties are proving that no job is too big to do. The Grinnell Erection Division is rapidly moving through one of the largest industrial piping jobs ever constructed and a great deal of credit should be directed to the men and their buddies in the pictures on page two.

### MEET THE MANAGEMENT:

## C. G. Nelson Heads R-N Electrical Building In Construction Of X-326

Let's meet Clinton G. Nelson, Assistant Division Superintendent for the Reynolds-Newbery Joint Venture, who is in charge of all electrical construction in the X-326 Building at the Portsmouth AEC installation.



CLINTON G. NELSON

Like other R-N supervisory personnel, Nelson started with Newbery Electric fifteen years ago as a journeyman electrician, and has advanced progressively through the ranks to key supervisory positions on many large projects. Immediately preceding his arrival on the Portsmouth Area project, in November of 1953, he had served in the capacity of project manager and general superintendent of construction for Newbery on a large copper reduction plant for Anaconda Copper in Yerington, Nevada. The atomic energy electrical world is not a strange one to him as he played a part in the construction of two atomic piles at the Hanford, Washington AEC installation. In 1951 Nelson was a project superintendent for Newbery on the construction project for AEC at Frenchmen's Flats Testing Grounds in Nevada.

Although much of his work and life has been spent in the west, Nelson is in reality a native mid-westerner as Petoskey, Michigan is always referred to as the home base. Prior to his association with Newbery he had spent ten years in Petoskey as a private construction contractor.

Clinton and his wife Velma, are the parents of two children, Robert and Barbara. Barbara is married and has presented two grandchildren. The Nelson family is presently residing at 427 7th St. in Waverly.

Leisure time activity includes membership in the Elks and the Masonic Order. He is a 32nd degree Mason, an active member of the Los Angeles Sportsman's Club and a member in good standing of the IBEW.

## JANUARY INCREASES NUMBER OF PROJECT ACCIDENTS

### BOX SCORE FOR JANUARY

Company	Man-Hours	Accidents	Frequency	Severity
PKS	889,260	2	2.25	.20
Grinnell	816,445	2	2.44	.01
R-N	443,571	0	0.00	0.00
George Koch	180,323	0	0.00	0.00
Lum Sum	144,860	0	0.00	0.00
Totals	2,484,408	4	1.61	0.07

### SUMMARY OF LOST TIME ACCIDENTS IN JANUARY

- Accident No. One: Ironworker, PKS, X-333 Bldg. Employee walking downstairs, stepped on loose bolt on step, slipped and fell backwards wrenching back.
- Case Two: Laborer, PKS, X-330 Bldg. Injured entering air-lock door. Air pressure slammed door on right ring finger, resulting in amputation.
- Case Three: Pipefitter, Grinnell, Fab Shop Clock Alley. Injured running to clock alley to punch out, stepped in rut resulting in fractured leg.
- Case Four: Pipefitter, Grinnell, X-333 Bldg. Employee climbing ladder to make tie-off, ladder slipped and man fell. No one holding ladder! Result: fractured knee cap.
- FIRST HALF OF FEBRUARY EQUALS ALL OF JANUARY
- Case One: Fitter, Grinnell, X-700 Bldg. Cleaning pipe. Glove caught on cable, pulling fingers into pipe, laceration on right index finger.
- Case Two: Carpenter, PKS, X-330 Bldg. Taking down scaffold boards. Got foreign body in eye causing infection.
- Case Three: Carpenter, PKS, X-326 Bldg. Climbing down scaffold. Hand slipped and fell to floor. Simple fracture of hip.
- Case Four: Lineman, R-N, X-530 Bldg. Placing fan gasket on transformer crane, lifting one end of fan, tilted other end on toe. Contusions and abrasions of large right toe.

# 170 Men Portray Activities Of 3000 In Grinnell Pipe Erection



The five groups of men shown above comprise one unit of the Grinnell Corporation's Erection Division working in one of the process buildings at the local project. Group one, (A-1), is a process gas piping crew composed of (all pictures identify from left to right with kneeling row first) Homer Mann, E. Lawson, M. K. Craft, J. Fanning, M. D. Underwood, Gen'l. For.; and D. E. Youvan. Back row: L. J. Roos, E. W. Dixon, H. Douglass, E. Dixon, M. B. Jones, For.; C. P. Purdy, and Area Foreman T. B. McAdams. Group two, (A-2), Auxiliary Piping: J. H. Goodwin, C. B. Allen, T. R. Florence, N. E. Smith and H. A. Woodard. Back row: M. R. Duffey, Area Gen'l. For.; J. Clary, Area For.; C. M. McGlendon, T. C. Goodmon, C. C. Crookshanks, H. D. White and Foreman C. R. Creath. Group three, (A-3), Instrumentation: H. L. Phillips, C. W. Kelley, Y. Cantrell, C. H. Ward, and C. F. Osborne. Back row: V. H. Humphreys, For.; C. J. Esterline, Area Gen'l. For.; T. M. Flournoy, V. W. LeGout, Gen'l. For.; H. R. Lehman, and B. Patrick. Group four, (A-4), Testing: C. R. Jagars, J. F. Beagan, H. A. Shephard, J. F. Bailey, C. R. Torbett, and J. Homowitz. Back row: J. O. Brown, For.; C. E. Wallace, H. L. Burton, R. Glenn, R. E. Allsburg, W. A. Malone, Area Gen. For.; and E. D. Gordon, Gen'l. For. Group five, (A-5), Fitter Equipment Handling: C. M. Slaughter, J. H. Cisco, B. Scott, J. Johnston, H. V. Akers, P. M. Gwin, J. R. Conley, For.; and A. S. Prewitt. Back row: J. R. Carter, For.; R. G. Zogg, Area Gen'l For.; G. C. Hankins, Gen'l. For.; L. Grimm, C. F. Howard, H. R. Prater, V. Castle, and A. R. Haywood.

Another representative unit of a process building is shown above in their respective groups. Group one, (B-1), is a process gas piping crew composed of: J. P. Keen, L. W. Jones, J. R. De Shields, R. D. Wells, A. R. Logan, and G. T. Farmer, Area For. Back row: C. W. Gaddy, For.; F. J. Kirch, E. C. Mattox, D. W. Garrison, E. L. Bell, W. F. Pryor, and W. Potter, Gen'l. For. Group two, (B-2), Auxiliary piping: W. A. Tipton, Sam Guysinger, W. Fedro, H. M. Hardy, and P. E. Hoskin. Back row: R. E. Beyler, Sr., E. E. Massey, J. Williamson, For.; F. W. Edwards, Gen'l. For.; J. W. Wright, and O. E. Harter, Area Gen'l. For. Group three, (B-3), Instrumentation: W. W. Hooper, C. Francis, B. G. Crabb, Bill Martin, H. L. Reece, For.; and T. O. Young, Area Gen'l. For. Back row: J. G. Marsee, J. P. Drum, J. H. Parker, R. S. Cargile, A. Vickman, T. R. Brown, E. E. Glenn, Gen'l. For. Group four, (B-4), Testing: C. A. McClure, A. B. Cady, E. I. Buckholt, R. E. Laurencell, T. C. Parsons, Jr., and D. G. Clements, Area Gen'l. For. Back row: R. L. Kirby, J. B. Vinson, L. M. Ledbetter, F. E. Potaracke, D. K. Reed, D. B. Wilson, For.; and T. Poole, Gen'l. For. Group five (B-5), Millwrights: J. E. Stringer, A. C. Jarrett, and J. Thomas.

Here are the groups making up a representative unit in another process building. It is the coordinated activities of these men which result in the erection of pipe in the buildings. Pictured in group one, (C-1), are men making up a Process gas pipe crew: (front row) W. R. Powers, A. Harding, T. J. Curnutte, Cr.; W. Prater, R. E. Brown, For.; G. W. Hayes, Gen'l. For.; and E. H. Sande. Back row: A. R. Cullins, Area Gen'l. For.; L. O. Corzine, E. W. J. B. Quarles, C. H. Subke, and T. J. Curnutte, Jr. Group two, (C-2), Auxiliary: Pine: F. S. Ponsell, S. G. White, I. V. Ward, F. L. Williams, and C. L. Boggs. Back row: D. H. Miller, M. Oylar, R. E. Goodwin, Gen'l. For.; J. E. Cole, Area Gen'l. For.; W. M. Miller, For.; C. E. Postlethwaite, and W. R. Riggle. Group three, (C-3), Instrumentation: E. R. Mowry, C. Crisp, W. J. Smith, K. D. Matheny, L. VanLuyck, Gen'l. For.; and H. H. Glenn, For. Back row: E. Moates, Area Gen'l. For.; W. D. Phillips, F. G. Sparks, D. J. Bernard, F. C. Hall, and J. E. Souther. Group four, (C-4), Testing: F. R. Little, O. McDermott, W. G. Webb, C. E. Maham, L. N. Youree, J. N. Hampton, and J. J. Flanagan. Back row: G. R. Barr, For.; G. A. Stout, E. A. Collins, R. S. Vineyard, L. H. Anderson, Gen'l. For.; F. Gorman, Jr.; R. C. Walker, Area Gen'l. For.; and G. Ison, Supt. Group five, (C-5), Millwrights: Foreman Fred Habermehl points to a piece of material on the lathe as Jake Boggs, G. Spencer, G. Anson, P. Summers, E. N. McConalay, and V. C. Monday look on.



## Dance Scheduled For Saturday, March 5 In Chillicothe At Elks Hall

All project employees, their dependents and friends are invited to attend another in the series of dances sponsored by the Recreation Division which will be held at the Elks Club in Chillicothe on Saturday, March 5.

Lou Martin and his orchestra have been selected to play at the affair which will run from 9:00 P. M. to 1:00 A. M. As space is limited tables will be on a first come—first served basis, and as soon as all places are taken the doors will be closed. Consequently, those planning to attend are urged to be there early.

Admission will be by presentation of identification badge only.

## WATER SANITATION

(Continued from page 1)

coat is applied before the cleaning process is begun. Throughout the entire process all personnel handling the containers wear sterilized rubber gloves.

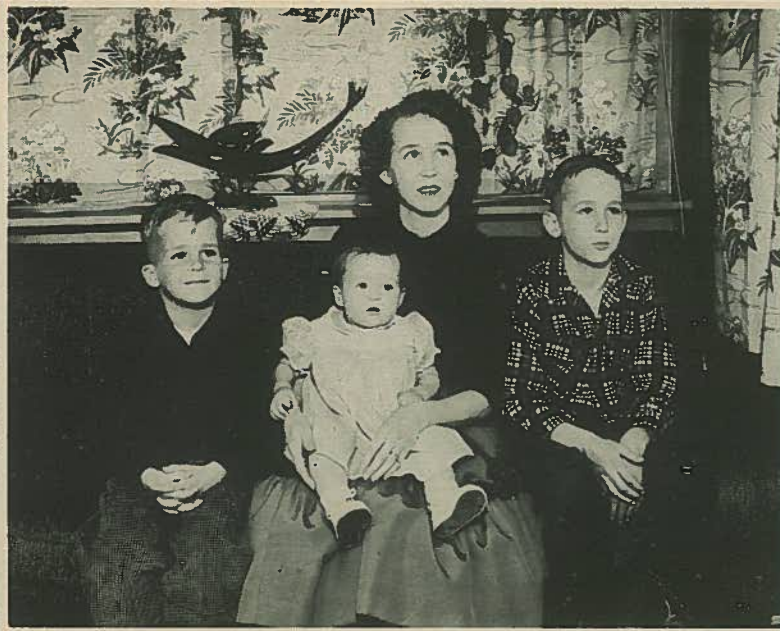
The Building Services Division and the local Safety Department make periodical inspections of all barrels and cans in service, and also check paper cups and salt tablets which has resulted in the highest of safety standards. In addition, the Ohio State Health Department makes regular visits of inspection, covering both the cleaning operation and the barrels in service. The Building Service Division submits water samples to the State twice monthly for scrutinized analyses by their chemical department.

Contrary to the local popular opinion that the drinking water is obtained from the Scioto River, it is pumped to the project from three 16 inch wells near Piketon. The wells are 68 feet in depth and the water is pumped the three mile distance through a 16 inch main by three 75 hp turbine pumps. Water from the Scioto River is used for industrial recirculation and cooling only, and it is processed through the X-611 filtration and treatment plant.

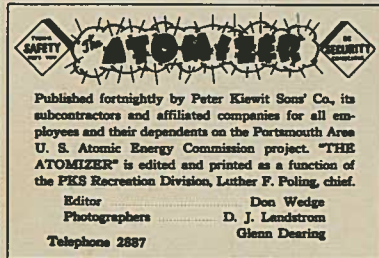
The service for the drinking water operation reached fantastic figures during last summer. In July more than one thousand tons of ice and four million paper cups were used. An individual ice cube larger than the average two story house is the equivalent to the thousand tons—in one month only!

ANSWER to last edition's Smoker Puzzle: 10 smokers smoke 80 cigarettes in 48 minutes.

THIS is the season of the year when we discover that we owe most of our success to Uncle Sam.



Ray Otto, sheetmetal worker for Iowa Sheetmetal Co., has a reason for wanting to get home from work safely every evening. After the long day's toil he arrives home to be greeted by five years old Danny; Sandra, who is ten months; wife Jeanette, and Eddie who is an eight years old third grade student at Piketon. The family is shown in their trailer which is located in the Piketon Trailer Village in Piketon. Ray has been at the Portsmouth Area Project since April of 1954. Prior to arrival here he had spent three years in the U. S. Navy. The family had lived in Washingtonville, Pa., where Ray had worked for a number of years in his father's sheetmetal shop. Since this is the family's first construction job, their reply to a question of liking the industry brought wholehearted approval and the statement, "We think it's the best and want to continue."



## CLASSIFIEDS

The following classified ads are free to any Portsmouth Area project employee but must be confined to items pertaining to transportation and lost and found articles.  
Phone 3442 or 2887

**FOUND**—1938 class ring from North Wilkesboro, initials RKG. Call Al Richardson, Ext. 3751.

**WANTED** — Ride from five miles north of Otway on Route 348, to Ad. Bldg. on 8:15 to 4:45 shift. Contact Elaine Culp, Ext. 2289.

**WANTED**—Riders from Portsmouth to Ad. Bldg. on 8:15 to 4:45 shift. Call E. M. Bathie, Ext. 2213, or Portsmouth 4-6244.

**WANTED** — Riders or two people to join pool from Portsmouth to X-326 Bldg. Contact Walter Haller, Ext. 2880 or Portsmouth 6-4559.

**WANTED** — Two riders from Huntington to X-326 or X-330 area on 8:00 to 4:30 shift. Contact J. Halley, Ext. 3338 or Huntington 2-4759.

**WANTED** — Riders from Peebles on 8:00 to 4:30 or 8:15 to 4:45 shift. Contact R. E. Archambault, 2559 or Peebles 144W3.

## D. A. V. MEETINGS

The Disabled American Veterans meet at 7:30 P. M. the third Monday night of each month at the G. A. R. Hall, 900 block, Third Street, Portsmouth, Ohio.

All veterans invited to attend.

## SON FOR BILL AND JEAN CLAY

Jean (Carroll) Clay, wife of Billy Clay of the George Koch Sons Safety Department gave birth to a nine-pound six-ounce son on February 17 at 2:38 P. M. in Portsmouth Mercy Hospital. Jean was formerly an employee in the Employment Div.

## Weekend Tournaments And Golf School Talked For Project Employees

Preliminary plans for the staging of a special golf school and weekly golf tourneys are now being prepared by the project Recreation Division.

The use of a local school gymnasium in Portsmouth for indoor instruction and practice with woods, irons, and putter is being contemplated and a definite beginning date will be announced in the near future.

Plans also call for the staging of flag, handicap, and best-ball tournaments on a weekly basis at all area courses. Employees and their dependents in Portsmouth, Chillicothe, and Jackson, plus surrounding communities, would be eligible for play and would need only to submit attested scorecards to the Recreation Division. The handicap system, and courses at the Elks and Raven Rock in Portsmouth, the country clubs in Chillicothe and Jackson, and the courses in Circleville and West Union are now being studied, and it is hoped that an announcement can be made in the near future.

It will be necessary for all employees interested to play practice rounds to establish handicaps. As many are already touring the links, it would be well to get in touch with the Recreation Office, for any suggestions or ideas will add to the planning of the events.

With the running of such special events for all area courses it is hoped that a project league, which is almost impossible, will be supplemented.

## "STORK" PRESENTS GIRL TO GUARD CAPTAIN BILL CHAPMAN

Guard Force Captain Bill Chapman has announced the arrival of the first addition to their home. On February 4, his wife, Betty, presented him with a six-pound 12-ounce daughter. The girl has been named Lisa Jeanine and was born at Mercy Hospital in Portsmouth.



## "Tennessee Ernie" Talks On Safety

Hello Peapickers — :

I have been a hankering to get somethen offen my chest f quite a spell now. Hits about safety round this here project. You know I been on these here construction jobs for pert nigh 47 years come next planten season, and I think we've had a right good record so far.

Did you all know that last year we had an accident frequency rate of 1.69. That's just high fluten talk to say that we had less than 2 men seriously hurt for every million man hours that we all worked last year. Did you all know that the average round the country was over 34 men hurt for every million man hours worked.

So we've done ourselves right proud so far. But that's a bother-in me and that's the way some people just try to be an accident. Ah, they really don't want to git hurt, but they jes forget that's all. Jes for instance, jest the other day down in the 333 buildin, I seen a feller gettin up a ladder that wasn't tied off. I told him about it, but he sez to me "ole timer I'll be through with this job in just about two minutes." That young whipper-snaper oughta know that a feller could kill his fool self in just a few seconds.

Then las night I seen all these fellers running like a pack a wild horses, and I couldn't figure where they was a goin less somebody was a given away free beer or somethin. I joined in so as I wouldn't miss nothin, and was disappointed! Did you know what all the fuss was about? It weren't nothin but a race to see which one could get to the clock alley furst. Why a feller could get mangled in that stampede. I know a body is a hankeren to get home to get somea that hom cookin, but a feller only gains at the most five or ten minutes even if he does win the race—and it's possible that a body could fall and break a arm or a leg. So I'm a thinkin that it would be better ifin all those fellers would kinda slow down and take it easy for a spell.

Another thing that a worries me is the way thos office folk sorta forget about safety. Why a body would be safer in a lions cage than in some of the offices I've been in. Why the way they leave those cabinet drawers open is frighten—a feller could fall over an dern near break his fool neck. And they way all those nice Janes run around those slippery floors in those high stilted shoes it's a wonder there hasn't been a flock of the female critters hurt by now. I always said ther ain't enough of the cute Jills as it is without one of them gettin herself hut.

Seems how I'm lowed to talk a bit, I can't help mentioning this here traffic. Why it nearly scares a feller to death the way some of them highway cowboys herd those hoss-less carriages around. A person would think that the road out there was the Indianapolis Speedway or somethin. And sure as General Lee was from the good ole south, some of them guys have forgotten all about that Jupiter moven pitcur we all seen when we started to work here—why they won't hardly let a feller in line atol and the way they crowd in on one another a jumpin from one lane to another would cause my old grandma to turn over in her grave. If this keeps up I'm goin back to the old hoss and buggy.

Well Peapickers, I ain't meant to preach to you all, but my old Cuzzin in the Safety Department said that he would let me get these things offa my chest, and I'm sure glad he did too causen I'm a feeling a lot better already, and I know that all you peapickers are gonna be more careful—cause we don't wanta get hurt do we?

Well, so long peapickers hope to see you round the job.

"The Ole Timer"

## Square Dancing Is Weekly Event For Employees

Employees interested in learning to square dance are invited to attend weekly sessions being held at the Carpenters Union Hall at 11th and Gallia Streets in Portsmouth.

The group meets every Saturday night at 8:00 P. M. and enjoys Western style square dancing, folk dancing and round dancing. Clarence Joyce is the caller and music is provided by records. At the present time approximately 35 couples from the project are attending and the only charge is that which is necessary to cover the expense of the hall for the evening.

Bill Carr, local Grinnell fitter foreman, is the president of the group, and further information concerning the dancing may be obtained by calling extension 2598. Barr stressed that the sessions are open to beginners and the more advanced learners both.

## CHORALERS SET REHEARSALS

A group of project employees known as the Kiewit Choralee are meeting each Monday at 8:00 P. M. at the Boston Academy of Music, which is located at 304½ Chillicothe St. in the city of Portsmouth.

Rehearsals are under the direction of Mr. Thomas J. Harkenrader of the Academy. Employees and their dependents who enjoy choral singing are invited to attend. Further information may be obtained by calling the recreation office on extension 3442.