

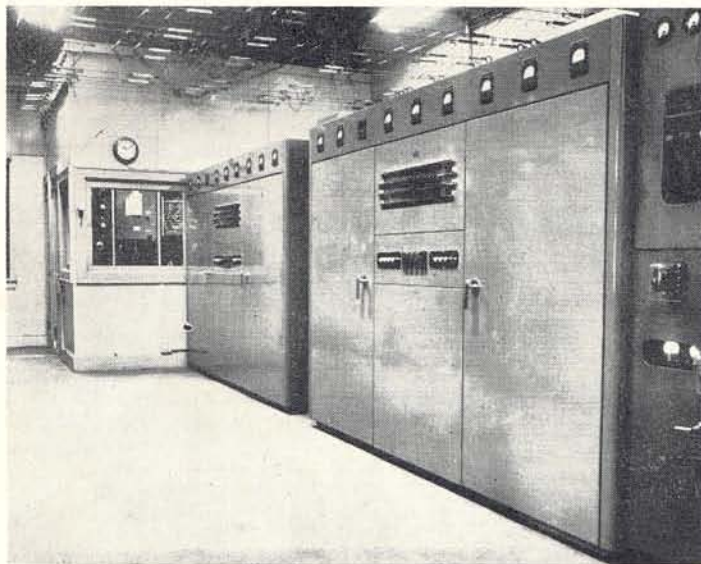


# GATES STUDIO REVIEW

GATES RADIO COMPANY, QUINCY, ILLINOIS, FEBRUARY, 1954

## GATES TRANSMITTERS SERVE THE WORLD

From Iceland to Tahiti and from Guam to the Cape of Good Hope, Gates transmitters are serving broadcasters, governments and communications companies. There are few, if any, countries in the world today that fail to claim one or many complete Gates transmitter installations. Gates installations in Korea alone would make a very satisfactory broadcasting network. The number of installations in Japan was sufficient to make it desirable for the Japanese authorities to print instruction books in Japanese. Pictures on this page and Page 3 parade a few interesting shots from other parts of the world and transmitters that send to other parts of the world.



### PRESS COPY BY THE MILLIONS

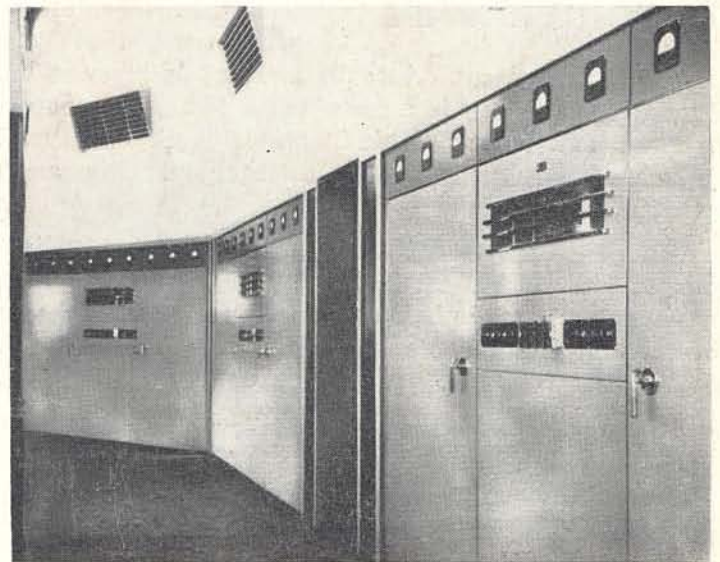
From Press Wireless, Inc., in New York City, there originates and receives millions of words of copy on an around-the-clock around-the-world basis. A huge amount of the news copy for radio and TV stations as well as major newspapers, is handled via Press Wireless and their many installations around the world.

At Hicksville, Long Island, Press Wireless has one of the largest installations of radio transmitters in the world. These transmitters are beamed to all continents and keep the presses of the world rolling. Pictured above are two new Gates HF-10TX telegraph transmitters, installed at Hicksville, Long Island. These transmitters operate long daily schedules in inter-continental service and render the reliable service demand of a business that has reliability as the very key to its success.

### Gates Stock Carrying Branches

Atlanta, 13th & Spring Sts., N. W. — Tel. Elgin 0369  
Houston, 2700 Polk Avenue — Tel. Atwood 8536  
Los Angeles, 7501 Sunset Blvd. — Tel. Hollywood 2-6351

Use Them For Fast Service



### THIS IS RADIO SOUTH AFRICA

The Government of South Africa has installed six Gates BC-5B 5000-watt broadcast transmitters at strategic locations throughout the dominion.

Illustrated above are three BC-5B transmitters installed at Pietersburg, South Africa. These transmitters all operate on different frequencies but into a common vertical antenna. The large scope of the installation can only be partially recognized in the fine manner in which these transmitters were installed.

The South African Government operates one of the finest and most extensive radio systems in the world. The installation of six Gates 5000-watt transmitters was part of an overall program to blanket the entire country with static-free radio broadcasting.

### Jan King Joins Sales Organization As Sales Engineer For Northwestern Territory

On January 4, Mr. Jan King joined the Gates sales organization to handle part of the sales expansion program planned for the northwestern territory.

Jan will headquarter in San Francisco and will spend all of his time covering the area north of there to the Canadian border and from the latest reports his territory also includes Alaska and the Hawaiian Islands. (Don't know whether his standard equipment includes a dog sled and a grass skirt or not.)

The radio and television business aren't anything new to Mr. King because he has spent his entire life connected with some phase of it. This work has been done in the east as well as on the west coast, so he has a rather broad view of the entire industry.

The other member of Jan's family is his good wife, Kay, and we're all happy to welcome both of them to the Gates organization.



→ Quality **PLUS** makes **GATES** a **MUST** →





## EDITORIAL

—from the desk of  
P. S. Gates.

### STANDARDIZATION —

Every manufacturing concern has a strong belief in standardization. This pays off in two ways: first, it saves the customer money, and secondly, it means a lower inventory count for the same end result. — In manufacturing, standardization in the simplest terms means designing your equipment in such a way that the same part may be used in many places. Actually a smart designer will often place a larger part than necessary in a certain spot if he has several of the same larger parts in other spots. This increases quality and yet by using the same part in many places, he buys in larger quantities and gets a better price break.

Each of us in our daily lives follows standardization. For example, we use the same light bulbs in many places because they are cheaper when bought by the half dozen. Your wife has sheets and blankets that will fit any bed. There is standardization all over the house. — So let's look at our business.

A radio or TV station can follow standardization and often at great profit. Typical in a radio station is to find three or four different makes of tape recorders, the same variety of remote amplifiers, several different makes of microphones but all having the same pickup pattern and several types of loudspeakers. In these situations and many more like it, what would standardization do? If the tape recorders were all the same, you would have the same tubes, the same repair parts and the same service requirements. This means less spare tubes, less repair parts on hand and the engineer instead of having to know all about several types of recorders only has to be familiar with one type. — All of this means lower operating costs, less material purchased and less time spent . . . also, less trouble as familiarity with equipment always results in lower frequency of operating failures. In the case of uniform microphones it adds up to the same thing, plus the fact that artists get acquainted with one or two forms of microphone techniques which makes for better sound, either radio or TV.

The selection of equipment toward standardization is equally important. Today, the plug-in system is becoming more and more popular. A user that has plug-in amplifiers throughout, saves a world of trouble and cost. They are all pretty much the same, wiring to the plugs is always the same and instead of a shelf full of repair parts he has a spare amplifier. Even if a tube goes out, he plugs in the spare amplifier, hunts out the bad tube but transmission is not stopped. Familiarity with the entire audio setup requires familiarity with only one amplifier as they are all the same. Stations that have a hodgepodge of audio equipment could in many instances actually make money by tossing out the hodgepodge in favor of standardization.

But standardization goes further than equipment. It gets into every nook and corner such as near-identical office forms where the printer can drop out one slug and insert another but do all the printing at one time. Often the use of varied colors of paper provides enough difference, with the printed form the same. The same make of typewriter means one service call from one source instead of from two sources at often twice the money. — The point of all this . . . the more you save, the more you make, and we here at Gates like profitable customers . . . it's elementary . . . profitable customers buy more.

## Happenings in Dusty's Department

By Mary Ellen Rupp

Ken and Helen French are now happily settled in their new home in Grandview Acres.

Frances Tharp and her husband spent the Christmas holidays in Dallas, Texas visiting relatives and friends.

Lola Shank's son, Jim Austin, who is in the Navy stationed in South Carolina spent Christmas with his mother.

Larry, son of Hazel Kinder, also spent the Christmas holidays at home. Larry is attending Westminster College.

Marie Carter received an unusual gift from her son, Staff Sgt. Melvin Holzgrafe, who is stationed in Newfoundland. Melvin sent her a seal-skin rung, which we understand is upsetting the tranquility of her little dog's life.

Dusty's assembly group also had a carry-in dinner the day before Christmas. This lunch period proved to be a mighty enjoyable one, with everyone getting plenty to eat. If you didn't see and taste that beautiful cake contributed by Frances Bassnett, you missed something. We understand that Frances' mother is the one to really receive the credit for the work on the cake.

Christmas Day, 1953 was no doubt the finest Christmas Harry Laird has ever had. That was the day Shirley Ann Wegman became his bride. The wedding was held at the Grace Methodist Church. Congratulations and best wishes Harry and Shirley Ann.

## Stock Room Notes

By John Kattelman

The stock department members were among those people who were "really too full" Christmas Eve afternoon. Yep! We had one of those delicious dinners, too.

Ronald Murphree, our red-headed stock clerk, claimed Kay Marshall as his bride January 9. The marriage was held at St. Mary's Catholic Church at 11 a.m. and to Ronnie and Kay we sincerely wish much luck and happiness.

The Mel Arns' family is happy about the arrival of Mary Angle on January 2, 1954. This makes a boy and girl for the Arns; they have a son, Jeffery, almost 2.

## THE STAFF

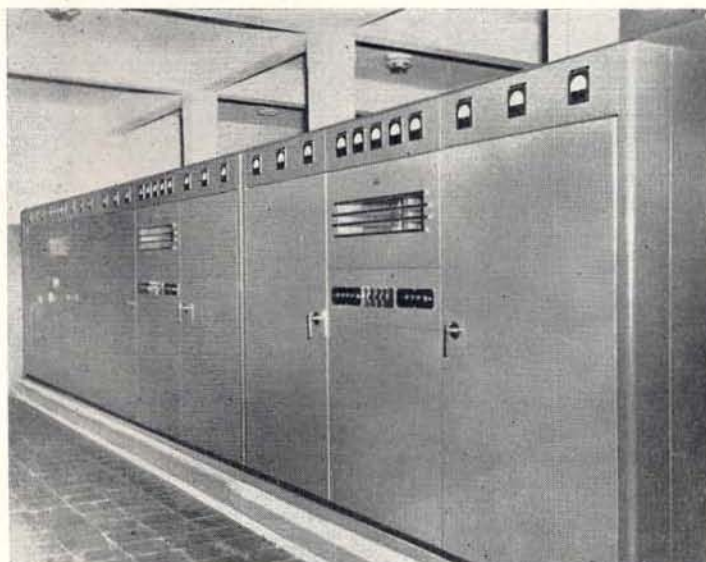
Edited by Personnel Department.

News Reporters: Art Brown, Carl Gray, Virgil Hall, Alvina Rice, Elva Watts, Mary Ellen Rupp, John Kattelman, Esther Enlow, George Thompson, Les Sieleman, Clarence Kinder, and Bob Gray.

Photographer: Bob Fisher.



# Around the World — Gateway to Better Broadcasting



## RADIO YSS — EL SALVADOR

Down in beautiful Central America, where often temperatures and humidity are high, is one of the truly fine installations of the Western Hemisphere.

Operated by the Republic of El Salvador, Radio Station YSS, pictured to the left, has installed one Gates BC-10B 10,000-watt broadcast transmitter and two Gates HF-5B 5000-watt short wave broadcast transmitters. This installation not only covers the entire country but the short wave stations can often be heard brilliantly in all parts of the United States, Canada and South America.

The El Salvador Broadcasting System, which operates these transmitters and an elaborate studio system, is to be complimented on one of the finest Gates installations in the world.



## DJAKARTA, INDONESIA

Here is one of a dozen Gates HF1-2 1000-watt broadcast and telegraph transmitters for short wave being unloaded at the pier in Djakarta and the picture story carries it through to final test and adjustment. Indonesian engineers are recognized as the very finest and note thoroughness. Gates is proud of its packing department. Interesting is the condition of the box after shipment halfway around the world.

**West Coast—For exclusive broadcasting equipment needs — try Gates — Los Angeles, 7501 Sunset Blvd. — Tel. Hollywood 2-6351.**

## Be Careful

As our way of living continues to be more complex all the time, the chances for accidents continue to increase.

One-third of our lives are spent on our various jobs and certainly our thoughts of safety and being careful should definitely be in operation during this time. Too many accidents happen because of taking chances or just plain carelessness.

If you refuse to think safety—if you

refuse to practice safety—here are some things which have happened to others and might happen to you when you least expect it.

1. A transmitter has to be moved over—just a little bit and someone thought he could do it by himself, and instead of calling for help, he found this was a fine way to get his back tied up in knots and it could be a wonderful way to develop a hernia or some other serious problem.

2. There is always something on that top shelf just out of reach. The easiest way is to stand on the stack

of rickety boxes or the stool that is too short—instead why not take a couple of minutes to get the stepladder and prevent an injury that can result from the fall.

3. There has always been the problem of using the right tool for the job. The larger screw driver is used instead of bothering to reach into the tool box for the proper sized one.

There are undoubtedly many other ways to "be safe." So let's all watch for and practice good safety habits at all times—at work—at home—while we're driving, etc.



## 800 Attend Gates Family Christmas Party

The Quincy College Gym provided a fine setting for our annual Christmas Party, which was held on Wednesday evening, December 23.

Approximately 800 Gates employees, their families, and guests attended the party and they were greeted at the door by our reception committee, Marlene Seymour, Marjorie Pippenger, Gladys Dickhut, Dorothy Sloan, Joan Weiman and Darlene Beeler, who directed everyone to Santa Claus and to the seating area.

There was a big Christmas Tree on one side of the gym floor and a big stack of frozen turkeys, along with the billfold-lighter sets, and 5-lb. boxes of candy on the other side to be presented to employees later on in the evening. The folks who handled the job of getting the tree up and decorated were Virgil Krull, Agnes Baker, Daphne Dingle, Virginia Linneman and Viola Mangold.

Santa Claus provided the first and no doubt, for the younger set especially, the main attraction. He was seated by the large Christmas Tree and had a gift for every boy and girl who came to see him. Santa's helpers for the evening were Bob Strode, Ruth Wilkey, Hardin Stratman, Katie Kahs and Bob Nixon.

Because Santa had a busy, busy weekend ahead of him (not to mention an appointment in Hannibal that same night) he had to leave the party rather early. However, the program continued and Nibs Jochem, our master of ceremonies, with his fine job of introductions, his witticisms, and pretty smile, kept the show rolling at a smooth pace.

The program featured Christmas Carols sung by the Gates Chorus and the audience led by Neal Harvey, who had some trouble with the high notes on one of the songs. Short talks by P. S. Gates, our president, and L. I. McEwen, our executive vice president, were welcomed by everyone. John Stutsman, our lady killer in the shipping department, not only did a fine job singing, but we understand almost caused some of the girls to faint because they were swooning so enthusiastically. Joanne Bonness, who works in Dusty Rhodes' assembly department, along with her sister, Sonja, presented some special numbers, complete with costumes. They, too, did a fine job.

We don't want to forget the special songs by the children in the audience. They came down to the gym floor and



1. Santa Claus was kept quite busy talking to the children and passing out his treat. Assisting him are Hardin Stratman, Ruth Wilkey, Katie Kahs, and Bob Strode, hiding behind the tree.
2. A portion of the crowd which arrived early. Marge Clem and Marcy Hayden seem to be surrounded by men.

3. John Stutsman in the process of throwing all the gals into a swoon.
4. Maestro Neal Harvey directing the Gates Chorus.
5. Prexy P. S. Gates making a few remarks — to whom, the chorus members or the audience?
6. Joe Havermale's children are busy making a few requests to Santa.





sang a couple of Christmas favorites. We don't like to brag, but didn't you think those boys and girls did a mighty fine job?

Our thanks for this fine program goes to Neal Harvey, Pat Hymers, Don Ahrens, Clara Taylor and Clarence Kinder, members of the entertainment committee.

The program ended with the distribution of the gifts. A. S. Petzoldt, Howard Young, Faye Fuller and Ruth Richards received the pleasure of helping distribute the turkeys, bill-fold-lighter sets, and the candy.

The evening closed with the serving of delicious refreshments—at least many bags of popcorn, several dozen popcorn balls, and lots of ham sandwiches, along with many gallons of the frozen punch, were consumed. The refreshments were ably handled by Art Miller, Grace Daniel, Barney Frese, Neal Middendorf, Virg Alderton, Gilbert Allen, Ruby Manlove, Lyman Ennis, Ester Enlow and George Hanawalt. These people deserve a round of applause for the job they did in serving a large crowd so quickly.

General committee arrangements for the party were handled by the Personnel Department.

The Company is very happy to be able to have a party such as this—and sincerely hope it made the Christmas Season more joyous for everyone—and that in some small way brought the Spirit of Christmas closer to you.

### Your Credit Union

More than 150 employees of Gates are members of the Gates Employees Credit Union. It's a swell way to save your money regularly through payroll deductions, a fine place to borrow money at a lot less rate of interest, and is run by the employees themselves.

Your supervisor would be glad to tell you how to join—ask him about it now.

**PRICELESS:** "The ability to speak several languages is an asset, but to be able to keep your mouth shut in one language is priceless."

He who lives alone could be engaged in no smaller business.

11. M. C., Nibs Jochem, and chorus director, Neal Harvey, were practically swamped with children who were called out of the audience to sing some Christmas carols.

12. A. S. Petzoldt, Ruth Richards, Howard Young and Faye Fuller are quite busy handing out Company Christmas gifts.

13. Joanne Bonness is busy doing a solo number while her sister, Sonja, waits on the sidelines to join her later in a duet.

9. In case you can't figure out what our plant manager, Howard Young, is doing here—he is heating the baby's bottle under the hot water faucet. No one is too young or too old to attend a Gates family Christmas party.

10. Some more people who arrived early to get front-row seats.

7. It's refreshment time—everybody was busy with a hand full of sandwiches, pop corn, etc. That "suthin gentleman" sales engineer, Bob Ware, is being royalty received by Marlene Seymour, Darlene Beeler, Gladys Dickhut and Dorothy Sloan. It looks as if Gladys was busier watching the camera than she was receiving.



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## Service Pins Presented

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This news article about Kenneth Schuerman is to serve two purposes. First of all, it is to welcome Kenny back after serving two years in Uncle Sam's army. Ken left our paint department in January,



1952, and has had many unusual experiences since that time. But he tells us the finest experience is getting out of the service and getting back on the job.

The other purpose of this article is to congratulate Kenny on receiving his 5-year service pin upon his return. He actually started with the Company December 17, 1948, and his fifth anniversary date had passed when he returned on January 4, 1954.

Welcome back, Kenny, and we are looking forward to your receiving more service pins in the years to come.

Ken Neubrecht, our sales engineer covering the Ohio, Indiana, Michigan and Kentucky territory, had a double celebration New Year's day. Besides the start of a new year, it was his 5th anniversary with Gates.



Ken, Mrs. Neubrecht, and their two fine children live in Berkley, Michigan. Perhaps

you will recall from an article in a previous issue of the Studio Review that Ken is quite an active "Ham" operator, and is known as "The Watchdog O' The Great Lakes" or sometimes "Spot."

Keep up your good work of taking

care of the nice people in your territory, Ken. We are looking forward to your taking care of them for a long time in the future.

January 19 was the 5-year Company anniversary for Elva Watts. Elva has spent practically all of her time with Gates on the Studioette line in Glenn Foster's assembly department. Her many years of experience on this work are proving valuable in a current navy job.



Besides her fine work on production, Elva is quite an accomplished baby sitter. If you don't think this is true, just ask little Denise Ann Kelker, Elva's 9-month old granddaughter.

Thanks for your good work, Elva.

Our list of people wearing Company service pins is growing and growing. We have many wearing the 5 and 10-year pins, and of course, a large group of people have received the 1 and 3-year pins. Listed below are the names of those who recently received their 1 and 3-year pins.

Thanks for your fine work, everyone, and we're placing an order now for the next Company service pin you're due to receive.

### 3-Year Group

Marvin Rice      John W. Weed, Sr.

### 1-Year Group

Richard Spruill	Zella Gottman
Marilyn Stieghorst	John Maxwell
John Birch	Neal Middendorf
Mary E. Whitfield	Joan Weiman
Ethel King	Wm. Perry
Phyllis Schnelle	Howard Strothoff

## Latest Scoop from Sheet Metal and Allied Departments

By Virgil Hall

Automobiles are in the news out here—Jim Moss is now driving a good looking green Mercury. However, Eldwyn Rader is making the most news; he's had 3 cars and 4 sets of tires in the last few months. Right now he's driving a Rocket 88 Olds.

Speaking of cars, Santa brought Lyman Ennis a set of back-up lights for his auto. They're really for the garage though.

Maybe Hank Anderson needs some of those back-up lights, too, so he will steer clear of Lavern Reese's new Chevy.

Don Hamann is eating lots of french fried potatoes since he gave his wife a french fryer for Christmas.

Bob Nixon is getting tired of watch-

ing television through store windows so he's now attending all drawings in which TV sets are being given away.

Charley Bridgman is the owner of a fine bird dog—the sitter variety—or a dog that sits and watches while Charley hunts.

Congratulations to Grandad Bill Hopper—the stork honored him twice last month.

Frank Brown has been having trouble getting his car started in this cold weather. Frank, if you'd make an occasional stop at the service stations and try a little of that gasoline, you'd probably have no more trouble.

Don McCabe, with Frank Bruening's help, recently installed a new furnace. The boys must have done a good job as Don hasn't had to call the Fire Department yet.

## Engineering Development News

By Ester Enlow

Bob Koettters rolled away with a \$5 prize in the St. Francis Holiday Bowling Sweepstakes, with a 644 series. Congratulations, Bob!

The Richard Weinrichs are the proud parents of a baby boy, Jay Lee, who arrived November 27. Jay is reported to be doing fine, and at times is especially adept at exercising his lungs.

Freda Campbell has been exerting her feminine rights—in changing things around a bit in their new home located in Payson. Freda's young son, Steve, recently suffered a head wound requiring several stitches, but we're happy to say he's as energetic as ever again.

Bob Bonness reported "too much ping-pong over the Holidays." ???

We were all happy to hear that Clementine Moritz is now at home after spending several months at Hillcrest. She and the children will join Clarence in New Mexico just as soon as she's a little further along on the road to complete recovery. Here's wishing the Moritz family the best of everything.

We were fortunate to receive an invitation (which was hurriedly accepted) to join Dusty's assembly department for the Christmas dinner. What a feast!

## Cable Department Capers

by Clarence Kinder

The Cable Department was another group to enjoy a pot-luck dinner the day before Christmas. They featured lots and lots of good food and a gift exchange.

The "Pea-Pickers" (an organization with an exclusive membership) recently surprised Dee Pusey with a birthday party. Tennessee Ernie was an invited guest but was unable to be present because of our cold climate. Many more "happy birthdays" Dee.

Ollie Guenseth spent the Christmas holidays with her son, Clyde, in Galesburg. Another out-of-town traveler over the holidays was Ki Turner and her family (Mr. Turner, Claude, works in our Sheet Metal Department) who visited in Burlington, Iowa.

Congratulations to Art Krauth and Lynn Kay Heitland! Art became a great grandpop for the first time and Lynn Kay received the honor of being the first baby to arrive in Quincy in 1954. That's a fine way to start the New Year—bet you both did your share of New Year's noise making.

Speaking of New Year celebrations, everyone is wanting to know more about Clarence Kinder's New Year's trip to St. Louis. They're especially interested in the Georgia Peach he met New Year's Eve—so is he!



## Miscellaneous Carrying-On

The office and engineering departments had a get-together at lunch time the day before Christmas to help get the holidays off to a fine



**Herman Gerweler and P. S. Gates back for the third time.**

start. There was lots of good food, and as you can see by the above snapshot, everyone ate heartily, especially the two gentlemen pictured at the table. In fact, if we counted correctly, this picture was snapped on the third return for both of them.

Also, did you hear where Howard Young, our plant manager, ate his day before Christmas lunch. (And we use the word lunch loosely.) Well he was in the Cable Department, Office & Engineering group, Stock and Dusty's department. And he was also reported eating another Christmas dinner the next day, getting probably a little more than his share.

Mistletoe came in handy in some cases again this year, and those fellows who enjoy Merry Christmas wishing so much may have more reasons than meets the eye for their trips throughout the plant and office at Christmastime?

Dotty Sloan and her mother made a quick trip to Kansas to spend Christmas with relatives. Dotty didn't break down the railroad system this trip and made it back to work in plenty of time.

Velma Smith and her husband spent a nice holiday in Texas, back in Velma's "old stomping grounds."

Pat Taylor, who does a good job of scattering those 10 pins and also does a good job of operating one of our bookkeeping machines, is in Chicago recovering from a recent operation. At this writing the report was Pat isn't saying much, but when she does talk it's usually, "I want to go home." We'll be glad to have you, Pat.

Betty Cate is another office gal who has been on the sick list. Betty spent a few days in the hospital and is now feeling much better. We hope you're

back with us by the time this comes off the press.

Congratulations are in order for Pat Hymers, secretary to Mr. Petzoldt. Pat is flashing a new diamond on the third finger, left hand, and if that smile is any indication, she's mighty happy about the situation. When's the big day, Pat?

Helen Miller, formerly of the engineering department, was married to Albert J. Siebers on January 9 at 7 p.m. in the Mendon Lutheran Church. Immediately following the ceremony, a reception was held in the Church



Parlors, and as you can see by the above picture, Helen and Al received many lovely gifts. Besides assuming her newly acquired housekeeping duties, Helen also has been taking up additional duties in our office in the accounting department. Here's wishing a long married life, filled with much happiness, to Helen and Al.

## Welcome to Gates

Here's the names of those people who have recently joined our organization. We're sure each and everyone of these new members of the Gates family would sincerely appreciate any help you can give them on their job or in helping them to feel welcome.

### Plant

James Mayfield Leon Bonness  
James Winking Ben Saxbury  
Albert Marshall

### Office and Engineering

Maxine Bean Charlotte Mulkey  
Sales Engineer  
Jan King

## SYMPATHY

We offer our sincere sympathy to Robert Dietrich and his family on the death of his mother; to Frances Bassnett and her family on the death of her nephew; to Don Hamann and his family on the death of his brother-in-law, who was killed while serving his country in Korea; to L. I. McEwen and family on the death of his father-in-law; to Viola Mangold on the death of her aunt; and to Amelia George on the death of her mother.

## News from Glenn's Department

by Elva Watts

Welcome back Amelia George and Frosty Fuller. They've both been away for several weeks because of illness. They wish to say "thank you" for flowers and cards sent them.

We'd like to welcome Robert Strode to our department. By the way, Bob is sporting a "new to him" '50 Dodge.

Good luck to Maxine Rice and her husband, Cpl. William Rice. Bill is stationed in Ft. McClellan, Alabama, after spending several months in Europe. Maxine will join Bill in Alabama soon.

Pfc. Harvey Sloniger was able to get a furlough over the Christmas holidays and spent the time with his mother, Goldie Sloniger.

A/3C Donald Fisk was another one of Uncle Sam's boys home for Christmas, and that made Mom, Cecilia Fisk, mighty happy.

A Christmas gift exchange in our department helped get the holiday season off to a festive start. Hope everyone received just what they wanted.

## Shipping Department Tidings

By Alvina Rice

We're happy to have a future Eddie Fisher or Julius LaRosa in our midst—he's John Stutsman who did a fine job singing at the Christmas Party. Besides being noted for his singing, John is also quite notoriously known as a ladies' man. Did you hear that loud swoon when he finished his song at the Christmas Party?

We'll not mention any names, but a little bird told a story about someone making a trip to the C. B. & Q. Depot to stencil some boxes for shipment and upon arriving at the depot he found he had failed to take a stencil brush with him. And January was Accuracy Month!

Glad to see Vernon Van Velkinburgh back with us at the main plant. Van has spent several months helping out at the airport operation.

Gwen Brest was happy we had two long weekend holidays as that meant her husband, who is attending electronics school in St. Louis, could spend more time at home with Gwen and their little girl, Lynda Kay, age 3.

A gentleman blames himself, a common man blames others.

\* \* \* \*

Most failures are people who just sit around waiting for something lucky to happen.

\* \* \* \*

"Do Englishmen understand American slang?" "Some of them do." "Why?" "My daughter is to be married in London, and the earl has cabled me to come across."



## Remote Control Installation at WTMS, Murfreesboro, Tenn.



The installation of Gates Remote Control Equipment pictured above at WTMS in Murfreesboro, Tennessee with Chief Engineer Gene Covington at the controls is typical of the many installations across the country from Tacoma, Washington to Ft. Walton, Florida. Nearly ninety of these units have been shipped to all parts of the United States since production was started in August of last year, following FCC announced rules permitting the unattended operation by certain classes of Broadcast Stations.

Gates Engineers spent many weeks developing a system which has met wide acceptance throughout the industry. It is acknowledged to be the most complete and versatile now available. The Gates System makes possible the control of all vital transmitter functions by means of tone operated relays from a remote point, usually the station's downtown studios. The necessary circuit for obtaining required meter readings in the transmitter are selected by means of a dialing system very similar to that of a dial telephone.

While the majority of Remote Control Systems are used with one transmitter, Gates Radio Company has designed many systems for the control of two, with one providing for the operation of three transmitters in two different locations several miles apart.

The use of Remote Control Equipment eliminates the need of a transmitter technician formerly required during all hours of operation. With Remote Control operation, the transmitter location need only be visited at regular intervals for equipment maintenance. Remote Control will make possible the operation of Broadcast Stations in many areas not formerly able to support them, and will also make it possible to choose the best transmitter site from an engineering standpoint with studios centrally located in the business area served.

## Gates to Exhibit New Products At IRE Convention in March

Once again Gates Radio Company will participate in the forthcoming IRE convention and radio engineering show which will be held this year at the Kingsbridge Armory in New York City on March 22 through 25. All technical exhibits for the 1954 show will be on one floor at the Kingsbridge Armory, which is ideal for a convention of this type since it is the largest unobstructed floor in the United States.

For this convention, which will be the largest radio-electronics industry show ever held, Gates Radio Company will have one of the finest and largest exhibit areas ever obtained at any previous show. The Gates booth will be on the main floor right near the entrance to the exhibits and will extend for 50 feet along Television Avenue. The location of the Gates exhibit is ideal.

At this convention Gates plans to exhibit for the very first time the new 1KW UHF television transmitter. Although this new UHF television transmitter has not previously been announced to the industry, it has been in design at the Gates plant for the past year and a half. Along with this new UHF television transmitter Gates will show the new BCA-250 Auxiliary Standby Transmitter, the RCM-12 Remote Control System for unattended operation of broadcast transmitters, the CC-1 Studio Control Console which is especially designed for TV use, the SA-40 Console, plug-in amplifiers, and a complete display of other broadcast items.

Along with the products already mentioned, Gates has a number of other brand new products which we know will be a surprise to the industry and which will be shown for the first time at the IRE convention in New York.

In addition to personnel from the main plant and office in Quincy,

## New Gates Paging Transmitter Ready

Recently the Federal Communications Commission set up 35.58 Mc. and 43.58 Mc. for radio paging service. FCC allowed two frequencies for each city or town and after these were occupied, no more are available. Transmitter is located at a central point and is used to call professional and business men, out of telephone reach, so that they may get in touch with the person calling them. Small pocket type receivers that are fixed tuned to transmitter frequency are available. The ear phone is of the hearing aid type and the ear phone cord also acts as an antenna.

The mode of operation is simple; usual procedure is to have an emergency phone listing which connects to the operator of the paging transmitter. Each subscriber is given a number. When number is called say of Mr. Jones who is on golf course, he calls back from nearest telephone to find out who is calling him. As many towns and cities have telephone answering services, the radio paging equipment becomes a natural adjunct.

The Gates CTA-5 transmitter powered at 250 watts and high level AM modulation is now available and sells at approximately \$1750.00 complete with microphone. Antenna is less than \$100.00 additional. Broadcast engineers will often be called upon to advise those interested in paging transmitters and Gates will gladly supply technical detail on request.

many of the Gates sales engineers from the East and other parts of the country will be in attendance to assist our customers.

Remember, Gates will exhibit many new products at the IRE show at the Kingsbridge Armory, March 22 through 25. We hope our many customers will visit with us at IRE.

→ Quality **PLUS** makes **GATES** a **MUST** →



**GATES RADIO COMPANY**  
Quincy, Illinois, U. S. A.

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