

STUDIO REVIEW

GATES RADIO COMPANY
QUINCY, ILLINOIS, U. S. A.



GATES

September, 1947

1922 — 25TH ANNIVERSARY — 1947



HENRY C. GATES



CORA B. GATES

Founders of Gates Radio Company

"Personalized Service"



P. S. GATES
President

Gatesway...for Better Broadcasting



FRED GRIMWOOD
Chief Engineer



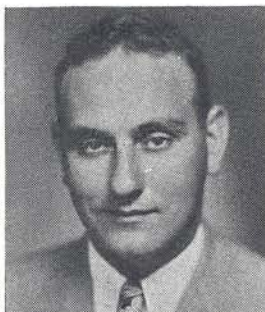
L. I. McEWEN
Executive Vice President

Gates is fully licensed under all applicable
licenses and patents of A. T. & T.
and R. C. A.



F. J. PIPPENGER
Sales Manager

Gates is a member of
National Association of Broadcasters
and
Radio Manufacturers Association



L. J. CERVONE
Sales Engineer, New York Office



O. J. McREYNOLDS
Manager, New York Office



WALT READ
Manager, Hollywood Office

GATES TO SHOW MANY NEW ITEMS AT ATLANTIC CITY

A carload of broadcasting equipment is being shipped to the NAB Convention to be held in the Municipal Auditorium in Atlantic City, September 15 through 18. In attendance at the Convention will be F. J. Pippenger, Sales Manager; Walter Read, west coast office; Owen McReynolds and Larry Cervone, New York office; Ed Rainey, midwest office; and Norbert Jochem, F. W. Wentura, and B. E. Parker of the Gates engineering staff. The quite large and spacious Gates exhibit will be located on the main center aisle of the Convention Hall. In fact, anyone walking down the center aisle of the exhibit will find the Gates display easy to locate.

Shown for the first time will be numerous new design rack type amplifiers, including line, monitoring, limiting, cueing and similar amplifiers fitted into what is commonly known as a service-all housing. Gates sales department is looking for a good descriptive name for these new and unique amplifiers where the engineer is able to reach every part down to the smallest resistor without removing the equipment from the rack, or in fact, without removing dust covers or even so much as removing a single screw. Shown also will be the BC-1F broadcasting transmitter for 1000 watts AM, having new and unique features. Gates will also have on display its BF-3A, three kilowatt broadcast transmitter for FM operation, its new model 36-B speech input console and many other items too numerous to mention.

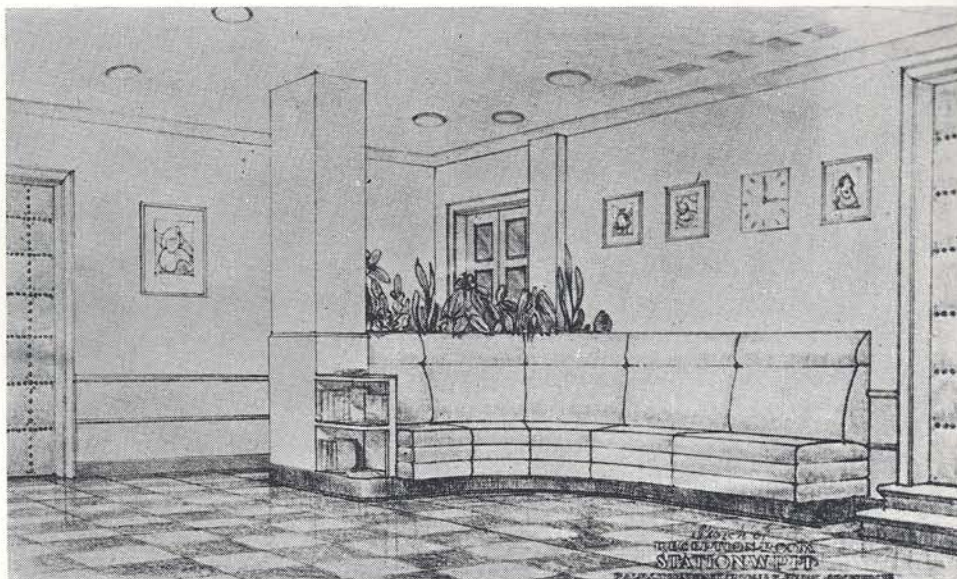
Gates personnel will be delighted to meet all their old friends as well as new friends at the NAB Convention, September 15 through 18, at the Municipal Auditorium in Atlantic City, New Jersey.



Junior: "Say, Dad, remember the story you told me about the time you were expelled from school?"

Senior: "Yes."

Junior: "Isn't it funny how history repeats itself."



WPIT, Pittsburgh, Pennsylvania's new one kilowatt station reports excellent reception from over 600 communities in Pennsylvania, New York, Ohio, West Virginia, and Maryland. Mr. Joseph Troesch is Technical Advisor while Mr. J. W. Berninger is the Chief Engineer. Mr. John L. Meridan is the General Manager of this most successful station, the reception room of which we see here.

VACATION PERIOD AUG. 23 to SEPT. 2

On September 2nd the personnel of the Gates factory returned to work after a well earned 10-day vacation period. Many were the trips to various parts of the country. Colorado especially received a full one-third of the company via train and car for visiting the scenic National Parks. Indiana, Chicago, and the northern lakes even gave back to some the good olde zip for another year. If things slowed down a bit that was the reason; but now everything is going full blast for a bigger and better season.

The emergency crew in charge of the plant was Mr. Gates, L. I. McEwen, Francis Wentura, and Ginny Sharpe at the switchboard.

Fred Damm and his phasing crew continued working to complete some important phasors. Fred had to postpone his long awaited vacation.



Height of injustice is when a man who hasn't kissed his wife in years, shoots a man who does.

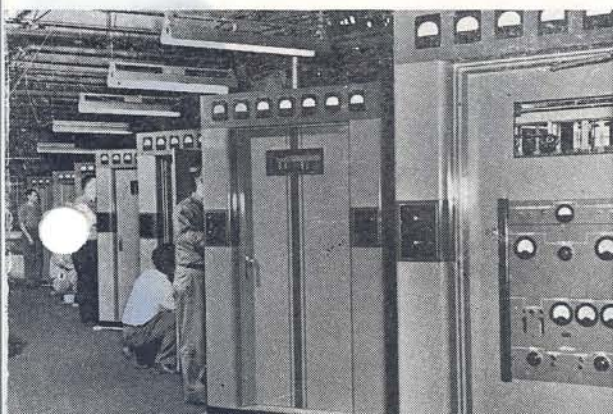
NEW GATES STATIONS ON AIR FOR FALL BUSINESS

All over the country you will be tuning your dial and hearing call letters of new stations that have had their ups and downs this summer with weather, labor and technical details.

Some of these newly Gates equipped stations are Versailles, Kentucky, "Happy Chandler's" station; Independence, Missouri, The Blue Valley Broadcasting Company; also Carthage, Missouri; Goose Creek, Texas; Belle Glade, Florida; Port Huron, Michigan; Dothan, Alabama; Yuba City, California; Green Bay, Wisconsin; Auburn and Brewton, Alabama; San Bernadino, California; two new stations in Southern Pines, North Carolina; McCook, Nebraska; Newport News, Virginia; Goodland, Kansas; Wadesboro, North Carolina; Pueblo, Colorado; Tuscaloosa, Alabama; Hartwell, Georgia; Breckenridge, Texas; Somerset, Kentucky and many others.

In neighboring countries new outlets may be found in Ponce, Guayama and Bayamon, Puerto Rico.

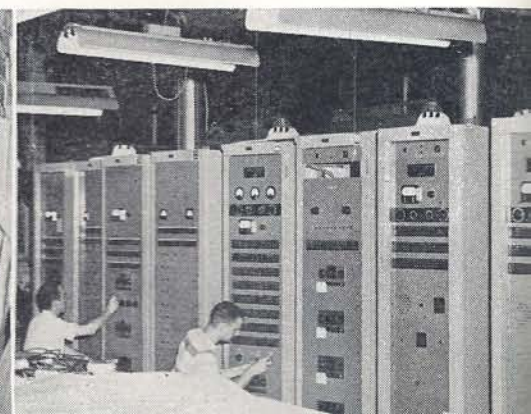
Line of BC-1E transmitters nearing completion.



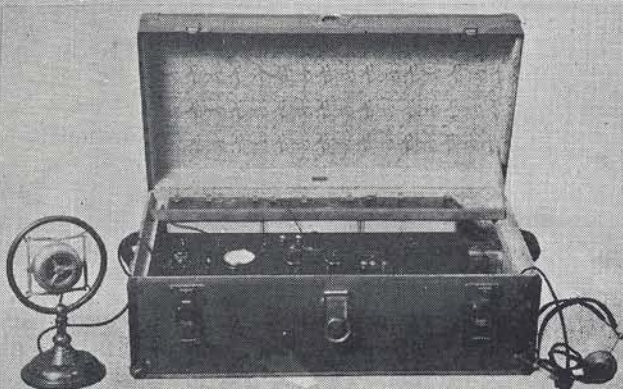
Girls working on the Excitor units for FM transmitters.



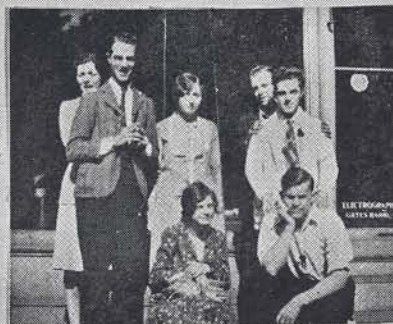
Portion of the line of 5M and Special Speech racks.



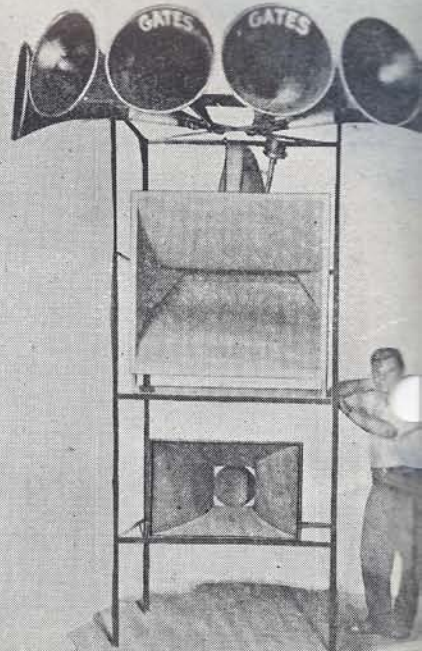
1922



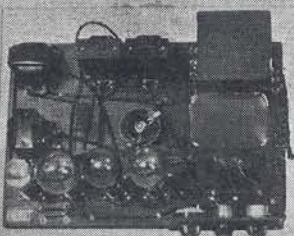
Portable remote control unit from the early '30's.



Employees of the Gates Radio Company in the early '30's.



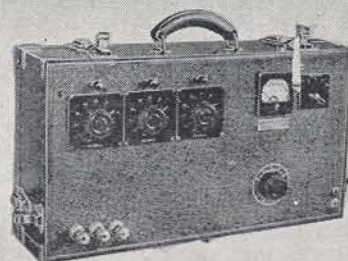
Mammoth Horn Tower for Gates Public Address Service. Fellow in the picture is Harry Laws who is still employed Gates.



Amplifier.



Console with remote unit.



Portable remote Amplifier, early 1936.



Power Supply.



Projector for the early movie theatre equipment.

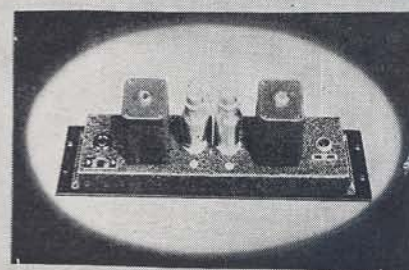


33 1/4 RPM Transcription Equipment.

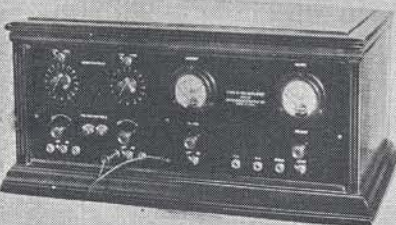
1922. The late Henry C. Gates established the business bearing the present name of Gates Radio Company at 114 1/2 N. Fifth Street. Like most businesses, it started very small, the company consisting of Mr. Gates, his wife, Cora B. Gates and his son, Parker, as a part time helper. During the period of 1922 to 1927 in those hectic early days of radio manufacturing and distribution, just about everything conceivable was done in the way of manufacturing and selling. During this time people were finding new and better ways of doing things nearly every week.

1927. The world was introduced to Al Jolson, "The Singing Fool," and talking pictures. Mr. Gates, recognizing a fertile field, entered into the manufacture of talking picture equipment, both for disc and film. One of the most successful projects was a non-synchronous machine for smaller theaters which at that time could not afford the high priced equipment and film for talking pictures. From this non-synchronous machine developed the first form of present-day transcription turntables as used in commercial broadcasting stations. One of these first turntables was supplied to the State College at Ames, Iowa, and similar units were sold to such prominent broadcasting stations as WEA, New York, WTAM, Cleveland, WLS, Chicago, etc. Gates had the reputation of supplying the first commercial transcription turntable to the broadcasting industry.

1929. As the business grew the present premises were not large enough, so the company moved to 115 North 4th St. By this time quite a wide and varied line of apparatus for broadcasting equipment was available from the Gates catalog. Fortunately the depression of the early '30's did not hit foreign countries as quickly as the United States and considerable foreign business was carried on.

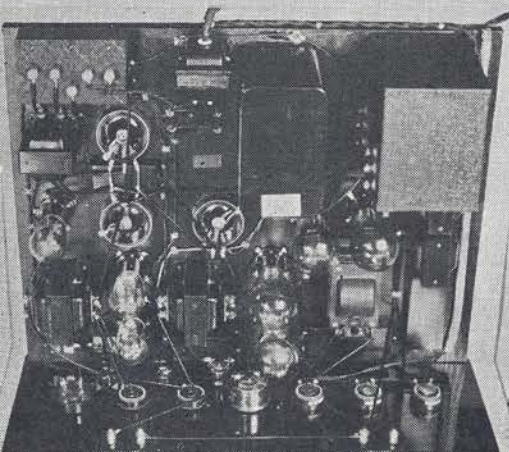


Preamplifier.



Amplifier for Broadcast Studio.

Public Address Amplifier.



Deluxe transcription turntable. One

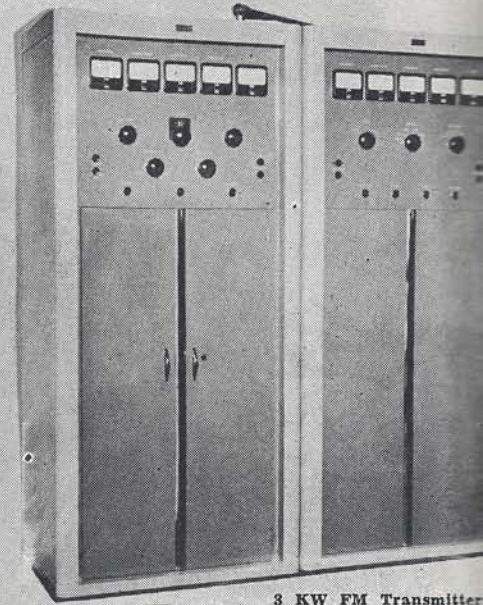


Theater Amplifier.

1947

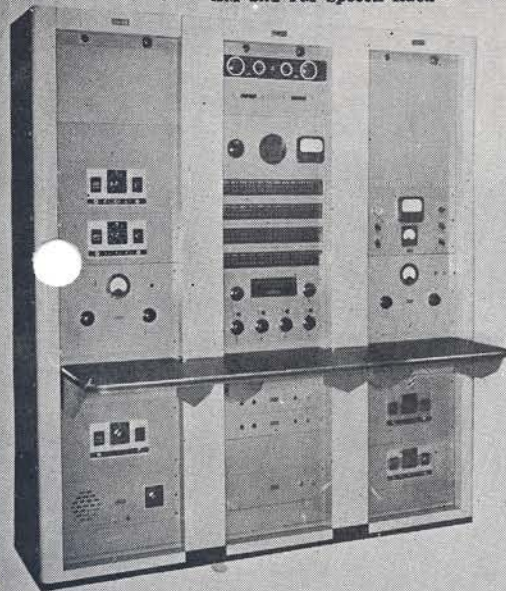


Phasing equipment consisting of antenna tuning unit, control panel and cabinet for phaser



3 KW FM Transmitter

AM and FM Speech Rack



1934. The Company was saddened by the passing of its Founder, Henry C. Gates, who died on September 2 of that year. The company passed into a new ownership consisting of Cora B. Gates and her son Parker S. Gates. The aggressive policies of the Founder were carried on wholeheartedly by mother and son.

1939. It was necessary at this time to move into new and larger quarters at 220 Hampshire Street. The new plant hummed quite successfully with all types of equipment being manufactured, and when the world was darkened by war in 1941 the plant was quickly converted to wartime activities. All types of transmitting apparatus, ranging from 250 watt to 15,000 watt transmitters were shipped to every battleground in the world for the Army and Navy. To continue the aggressive policies of expansion and the making of better and larger products, the large plant known as the H. M. Sheer Company building was leased in 1945. This new plant of 50,000 square feet of floor space equipped with complete sprinkler protection was modernized quite extensively. The new plant had hardly been put into full operation under the enthusiastic guidance of Cora B. Gates when the company was again saddened by her passing on January 4, 1946. Later that year the Gates Radio Company was incorporated under the laws of the State of Illinois. All of the officers are actively engaged in the operation of the company.



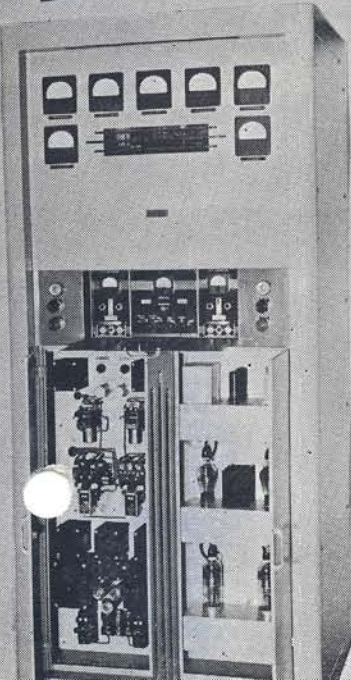
Remote Foursome, consisting of Remote mixer, compact and power supply.



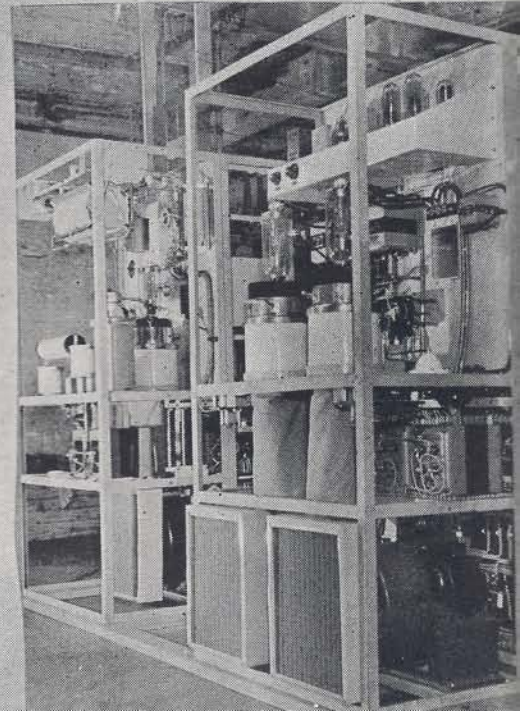
Group of CB 10's ready for

One of the back sections of the BC 5 5000 watt tra

1947. July 1 slipped by quietly without fanfare, but the Gates Radio Company celebrated its Twenty-Fifth Anniversary; it being twenty-five years to the very day since Henry C. and Cora B. Gates walked into the small building on Fifth Street to start in a very modest way a company which has grown to be one of Quincy's finest industries, as well as a very important manufacturer in the broadcasting equipment field of today.



CB4 desk complete with the 31B console.



Twenty-Five Years In Radio

It could easily be said that those having spent 25 years in the radio manufacturing business have had one hundred years of experience. No business has been beset with as many fast changing techniques. Keeping the inventory clean and free from out-dated parts and equipment has always been the number one problem-child of radio.

When the Gates Company went in business in 1922 the Moorhead vacuum tube was doing its swan-song and the UV201 was America's wonder-bulb. The crystal detector began collecting dust in earnest in favor of Mr. Armstrong's super regenerative circuit and a little later came the Hazeltine neutrodyne with three dials and at times with some of Mr. Armstrong's regenerative mixed in. Freshman, with his masterpiece, the fair haired radio of 1923 still adorns a few farm home mantels. Mohawk was brazen and offered the unheard of single dial, gang tuned radio set. It would never be a success they said. The superhet came along and doctors, dentists and all the others built their own. The thrill of hearing KHJ was the talk of the east and midwest. Hearing KDKA or WEAJ in Los Angeles was an equal treat.

Atwater Kent became the number one radio along with its hour of early network broadcasting on Sunday night. The Goodrich Silvertown orchestra was a favorite and Lindberg not only broke a record flying the Atlantic but was the first to broadcast on a nation-wide network. Graham McNamee was America's favorite announcer. These things and many others made radio the grand adventure of the 20th Century.

As we look back over the past 25 years during which Gates was a spoke in the wheel we ponder to think of the future. In the past the name of Gates was always best known for the willingness to go a little bit out of the way of the ordinary to give faster and better service, while in many companies today this word has almost become history. The smart business man must know that the desire to take that extra step even during times of an abundance of business will pay off when business is harder to obtain. We must always remember that the customer is KING; he provides everything for us even to the clothes on our body. If we continue to remember this, the next 25 years will show even more growth and progress. IF we forget we fall with the hundreds of others in radio's graveyard.

So, we offer a toast to the future and pay our respects to men like DeForrest, Marconi, Armstrong, Hazeltine, Godley and many others; yes, we should include the late Henry C. Gates for paving the rocky road of radio and giving it a smooth course into the future.

P. S. Gates.

NEW UNIQUE AMPLIFIERS TO BE SHOWN AT NAB CONVENTION

The demand through the years by broadcast engineers has not only been for high quality audio amplifying equipment, but something that could be serviced with the minimum amount of time and inconvenience. An answer has in part been accomplished by some manufacturers by the use of drawer type arrangements or panels on hinges.

This project was given to the Gates engineering department in January of 1947 and each engineer was asked to come up with his own idea as to how he would like an amplifier if he were an engineer in a broadcasting station. Our engineers all came up with good ideas. Some were consolidated with others and there was developed a housing whereby the amplifier may be serviced directly from the front. There is no need to remove any dust cover or pull out any drawers or tilt back any panels on hinges — all is immediately accessible directly from the front of the rack cabinet. An additional specification was issued that no component should be allowed to operate at a temperature rise greater than 40° Centigrade. Therefore, broadcast engineers will see, again for the first time, such items as power transformers, choke coils, resistors, etc., much larger in size and resultantly cooler in operation than ever before. Yet, by the very unique construction of the equipments the overall size in many instances is actually smaller than previous equipments in the same category.

Broadcast engineers will want to be sure to see the new serv-all amplifiers being shown for the first time at the NAB Convention, Municipal Auditorium in Atlantic City, New Jersey.



NEW CREDIT MANAGER

Mr. Les Sieleman has been added to the office force as credit manager. He will also assist in other office functions. Mr. Sieleman has had years of experience in this type of work and will be of considerable value to the Gates Company in this position.

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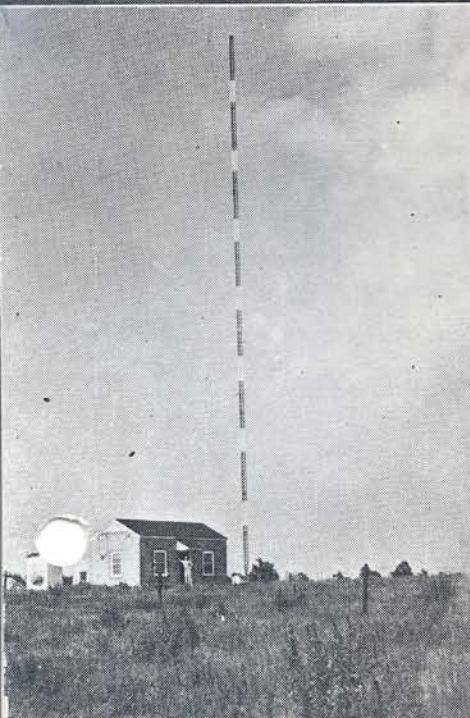
MAIN OFFICE AND FACTORY—123 Hampshire Street, Quincy, Illinois.

NEW YORK OFFICE—40 Exchange Place, Phone Hanover 2-0198.

WEST COAST OFFICE—1350 No. Highland Ave., Hollywood 28, California.

EXPORT AGENTS—Westinghouse Electric International Co., 40 Wall Street, New York, N. Y.

DISTRIBUTORS:
Specialty Distributing Co., Atlanta, Chattanooga, Macon and Savannah.
Houston Radio Supply Co., Houston, Texas.
Canadian Marconi Co., P. O. Box 1690, Montreal Quebec, Canada.



Top: KSFA Nacogdoches, Texas new station.

Left: T. L. Kidd the chief engineer at the transmitter.

Center Left: Bob White at the control of the studio.

Lower: Wincharger Tower Model 300 and the transmitter house.

Circle: W. C. Fouts owner and general manager.



NEWEST GATES EQUIPPED STATION, KSFA

One of the newest Gates setups to go on the air with 1000 watts is KSFA at Nacogdoches, located in the eastern part of Texas. Reports were received from Louisiana, Mississippi, Indiana, Florida and Tennessee, while equipment test reports were received from Ontario, Canada, New York State, Idaho and New Jersey verifying a strong signal with excellent reception. All installations were made by the KSFA Staff Engineers, headed by T. L. Kidd as Chief. No expense was spared to make this station not only one of the most attractive but also a very efficient station. A variety of programs is offered, and under the very able management of Mr. W. C. Fouts, KSFA is assured a bright and promising future.

A fourteen room air-conditioned all modern studio building was built near the Steven F. Austin State College. The transmitter building and tower is located about two miles east on a slight rise 435 feet above sea level. Both buildings are fireproof. The studio equipment consists of a 31B Console, two CB10 turntables, a DM1 cabinet with master switches, amplifiers, etc. Studioette and emergency turntable are some of the items located in the transmitter house with the BC1E. In construction as well as equipment this station is most up-to-date, and nothing has been spared to make it an A1 independent station.

WQDI — THE FIRST QUINCY FM STATION

On August 1, 1947 at 4:00 p.m., Station WQDI, Quincy's first FM Station went on the air. This station is completely Gates equipped from the BF1A Transmitter, Console, Turntables, Amplifiers and Antenna.

The installation was in charge of Francis Wentura, Gates Assistant Chief Engineer and Bill Parker, Gates FM Engineer.

Although the present setup is temporary, as soon as building facilities permit, a transmitter house and tower will be built in the country. Now the transmitter and antenna are located on one of the downtown bank buildings.

Reception has been exceptionally good. Anyone contemplating a new FM station may obtain first hand information now by visiting the factory and this new Quincy station.



"So you met your wife at a dance, did you? Gosh that must have been romantic."

"Naw, embarrassing. I thought she was home taking care of the kids."



Too many people forget to put foundations under their air castles.

1922

1947

Gates New Line of



Studio
Equipment

On Display
at the
N. A. B. Convention
Atlantic City, N. J.
September 15-18

GATES

NEW YORK OFFICE
40 Exchange Place

HOLLYWOOD OFFICE
1350 N. Highland Ave.

25
Years

GATES RADIO COMPANY
Quincy, Illinois



SAFETY CAMPAIGN FOR EMPLOYEES UNDERTAKEN

One of the newest programs to be launched by the Gates Radio Company is the Safety and Cleanup Campaign. In order to make conditions at Gates better and to conform to the National Safety Standards, certain changes have been made; some new practices are to be adopted and more extensive improvements will be made as time goes by.

Mr. Gordon Hinkle, our Safety and Personnel Director, is in charge of this campaign. The one thing being asked of all is cooperation. We must all get behind this program to make it successful.

Gordon came to Quincy to manage the Quincy Gems. He was manager of a baseball team in Beaumont, Texas, prior to which he served as a lineman with a utility company of that city. His home town is Toronto, Ohio. "Gordie" was warmly welcomed by all Gem fans, and is well known and liked by Quincyans, due to his capable leadership of the team and his genial personality. His brother is the well known Clark Hinkle, who played football with the Green Bay Packers, and is now scouting for that organization.

Remember to clean up your departments each Saturday before leaving.

GET TOGETHER ON SEPTEMBER 27, 1947

On Saturday evening, September 27, Gates personnel enjoyed a bowling party and general get together. A large crowd was there and Chris Fuller was the fortunate one to receive the door prize of \$5.00. The majority of men made use of the bowling alleys while the women availed themselves of the chance to have a couple of good card games. A delicious luncheon was served and all in all, everyone had a good time, even George Thompson, who spent the evening playing records for the crowd. Gordon Hinkle handled all arrangements.

* * *

Al Gooding's daughter, who was stricken with infantile paralysis, will, through the efforts of Mr. Hinkle, be able to acquire the benefits made possible by the National Foundation of Infantile Paralysis. This is the society which is supported by YOUR ANNUAL CONTRIBUTION TO THE MARCH OF DIMES! Al, as we all know, is one of Bob's able packers in the Shipping Department.

* * *

First Executive: Did you see the swell letter opener I got yesterday?

Second Exec.: Yes, but wait till your wife sees her!



L. H. Sieleman is the new Credit Manager at Gates. He comes to our company well recommended, with sixteen years' previous experience in office and credit management. Les, whose hobby is fishing, is a native Quincyan. He's a very likeable fellow who seems to be quite capable. He even remains unperturbed at the antics of the "Zanies" in the office — which, together with the twinkle in his brown eyes, proves he's a "Right Guy."

* * *

Rolland E. Klapprott, the new draftsman at Gates is a Quincy boy who comes to us with ten years' previous drafting experience. Welcome, Rolland!

* * *

GORDON HENRY — NEW SALES ENGINEER

Another addition to the Gates staff of Sales Engineers is Gordon Henry. Mr. Henry, originally from the cornbelt of Iowa and Nebraska, has been located in Washington, D. C. since the war, during which time he served in the Infantry and Air Corps. Although he has his degree from Creighton University at Omaha and is a member of the bar, his work has been mainly in connection with radio for the last five years, during which time he was field engineer for NBC and Continental FM Network Company. Mr. Henry will be located in Quincy and working with Ed Rainey in the Midwest.

Is the name "Gordon" getting popular???

* * *

Always examine the evidence

1. Your side
2. The other fellow's side
3. The truth.



CRITICS
NEVER
MAKE
MISTAKES

The galleries are full of critics. They play no ball. They fight no fights. They make no mistakes because they attempt nothing. Down in the arena are the doers. They make many mistakes because they attempt many things.

Ford forgot to put a reverse gear in his first automobile. Edison once spent over two million dollars on an invention which proved of little value. The man who makes no mistakes lacks boldness and the spirit of adventure. He is one who never tries anything new. He is a brake on the wheels of progress.

* * *

Mr. McEwen was away on a well earned vacation and business trip. He visited his mother and family and friends in Winchester, Massachusetts, and New England. He also called on several customers and firms with whom we do business. As each day passed before he left he became more excited until he really got in quite a dither. A little longer and he wouldn't have needed transportation, but would have "taken off" on his own power.

* * *

THANK YOU

We, Parker, Wentura, and Jochem, the "working" engineers who were at the Convention want to thank Larry Cervone for his able and willing assistance at the Convention in helping to set up and take down the display. He was a most welcome addition to this hard-working crew.

Oh, Yes! — we want to thank the other members of the Sales Department for their ever helpful comments and moral support.

Signed — Francis Wentura,
Bill Parker,
Nibs Jochem.

With the falling of leaves, and the nippy evening breezes, basketball and other indoor winter sports are beginning to take the spotlight. Gates will sponsor a basketball team in the City Industrial League. About fifteen fellows have signed up for the team. These include many notable former basketball players.

Harold (Tubby) Laws, Coach
 Clint (Inky) Carter
 Robert (Noisy) Schutte
 William (Buster) Requet
 John (Boss) Anderson
 Robert (Nails) Flotkoetter
 Gene (Temptation) Hildebrandt
 Chris (Muscles) Fuller
 Homer (Isaac) Walton
 Bill (Winks) Kelsall
 Howard (Y'all) Decker
 Duane (Dead Eye) Myers
 Jim (Polisher) Gibson
 Virgil (Hoot) Hall
 (Pills) Hinkle, Medical Director.

The games will be played every Monday night starting the first week in December. Practice will begin the first week in November. Some snazzy uniforms have been ordered to adorn those manly physiques.

* * *

"ZANY ZAYINGS"

LS/MFT — "LemonS Make Fine Tomcollinses."

A chip on the shoulder indicates wood higher up.

More people have slipped on applesauce than on banana peels.

A forger is a man who goes out into the world and makes a name for himself.

The only exercise some people get is jumping at conclusions.

Don't take life seriously. You will never get out it alive anyway.

A pedestrian is a man with two cars, a wife and a son in high school.

* * *

The wiser a man is, the humbler you will find him.



birds and rabbits, so don't start making designs on any foreman or supervisor.)

* * *

This year's bowling season has started with the "Oldtimers" being the only Gates team that is registered in any league. Gerweler, Powers, Evans, Pippenger, McEwen, and Myers make up the keggers half dozen. Too bad, with so many other bowlers, a couple more teams couldn't get organized soon enough.

* * *

A Skating Party will be held Tuesday, October 21. The rink is "Scotties"; time, 8:00 p.m. Everyone invited. Even if you are weak on skates come and watch the fun. You can "roll in the aisle" if you are a beginner.



* * *

It was really very peaceful around the office for about a week, with the sales engineers' and engineers' desks vacant. Seems the Atlantic City Convention display of Gates was really a honey, and some new business materialized as a result. The new Speech Line was the talk of the Convention.

* * *

QUESTION OF THE MONTH??????

What DO these fellows smoke in their pipes?

Our guesses are: ground suspenders, worn out rubber bands, army surplus spoiled Spam, Grandpa's dirty sock, dried buttermilk and wet chicken feathers.

* * *

DON'T TAKE CHANCES — SAFETY FIRST.

Thank You — Ivan wants to thank the boys in the Machine Shop and Sheet Metal Dept. for the new shoes they so grudgingly gave him via three world series pots.

Instructions — "Sally" is looking for someone to demonstrate correct bowling stance and throw. The nite of the bowling party she got her thumb stuck in the ball and 'tis said she really made a strike, only time she ever kicked all the pins down.

* * *

CLASSIFIED AD SECTION

Correction — The fish Elma Hobbs caught was 26 lbs. instead of 14 lbs. Sorry, Elma

Wanted — Good repair man and fender straightener for all these guys who have been watching the "flying skirts" instead of the road — Bill Requet, Al Rakers, Frankie Bruening, and Ken Crabbe.

Wanted — A mirror at the factory entrance so the guys with lipstick on their faces may wipe it off before they get in the plant.

Necessary — a desk for Carl that will radiate heat within an area of three feet so he can keep warm at least in the office. Too bad, everyone else (Wilma and May excepted) is comfortable. Maybe a pair of **red flannels** would be a good investment for the three!

Wanted — Germ killing lamps for the office so when one person gets a cold many others won't go out one by one like they did last winter. Some must not be susceptible!

P.S. — According to a late report only \$1400.00 would cover the cost for the office. Oh well, guess we will take cod liver oil.

* * *

NOTICE

WE WANT TO PROVIDE A SAFE PLACE FOR EVERYONE EMPLOYED IN THIS PLANT.

* * *

"That's unfair," said the young man when he saw two women kissing each other. "It's another case of women doing men's work."

BOWLING NOTES

A group of beginners are bowling on South Eighth Street every Tuesday evening this season. Howard Decker, Don Fontane, Esther George, Dorothy Calhoun, Dorothy Pitman, and Ida Taylor from the upstairs assembly line and Weldon Steinbach, Chris Fuller, Ken Crabbe, Sally Adair, and Nelda Haschmeyer from the factory.

* * *

CONDOLENCES

We extend our condolences to Fay Fuller who was absent the three days following the World Series. Don't know whether it was the fact the Dodgers lost or she won the money in the neighborhood "restaurant." She is now back to work quite OK and as chipper as ever.

* * *

The entire personnel of the Gates Company availed themselves of the opportunity to have the examination for T.B. Those who were found positive in the tuberculin test were sent to the Mobile Unit and had X-rays taken of their chest. This is a most worthwhile precaution since those in the early stages of tuberculosis can prevent a more serious recurrence in later life.

*Safety
First*

BE

*Safety
First*

CAREFUL

IT'S HELL to be a Cripple