

GATES STUDIO REVIEW

MARCH, 1946

QUINCY, ILLINOIS

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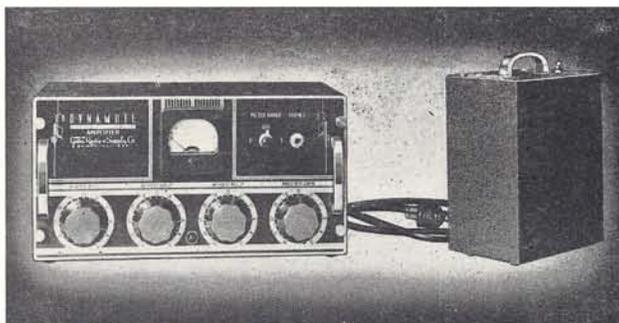
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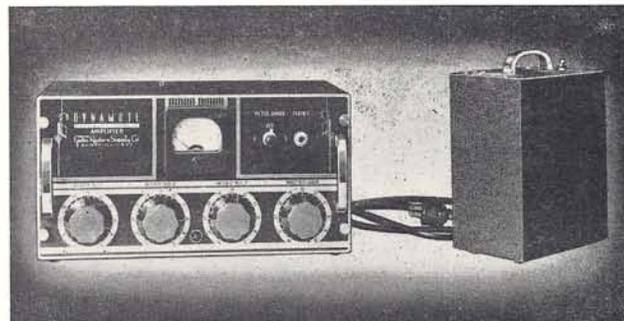
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K F X J

GRAND
JUNCTION,
COLORADO

NEW GATES TURNTABLE, CB-10

One of the latest additions to the Gates line of equipment is the new CB-10. This turntable incorporates many of the newest features of research and technical workmanship for high fidelity reproduction of modern recordings. It is designed as a complete unit, eliminating the need of external preamplifiers or power supplies; to operate, it is only necessary to connect the output to the speech equipment and the power to the 115V source.

Some of these new features are enumerated below for special attention.

A self-contained gain control mounted on the slope front finger-tip control panel does away with the necessity of acrobatic twisting and reaching for the right knob at the right time. It also has a built-in preamplifier, which has ample output to feed any program or monitoring amplifier and makes additional pre-amplifiers superfluous.

Five selections of frequency response are possible by the simple turn of a selector switch:

- 1) Columbia orthocoustic transcription,
- 2) Standard orthocoustic transcription,
- 3) Phonograph recordings,
- 4) Worn phonograph recordings,
- 5) Unequalized acetate recordings.

This turntable is available with either sapphire or diamond styli. A built-in power supply, controlled by a toggle switch strategically placed near the bottom on the front of the cabinet, makes the CB-10 a very complete unit. Speed changes—33½ RPM or 78 RPM—can be effectively made by means of a shift knob on the top of the turntable.

Not only have the technical features been improved but also the physical properties which include a streamlined, up-to-date, two-tone grey cabinet that will widely proclaim the CB-10 turntable as equipment with style and beauty. Not since the beginning of the Radio Industry has such a combination of features been so adroitly embodied in any one piece of equipment.

The following companies who are now getting deliveries will put into operation shortly their CB-10 Turntable.

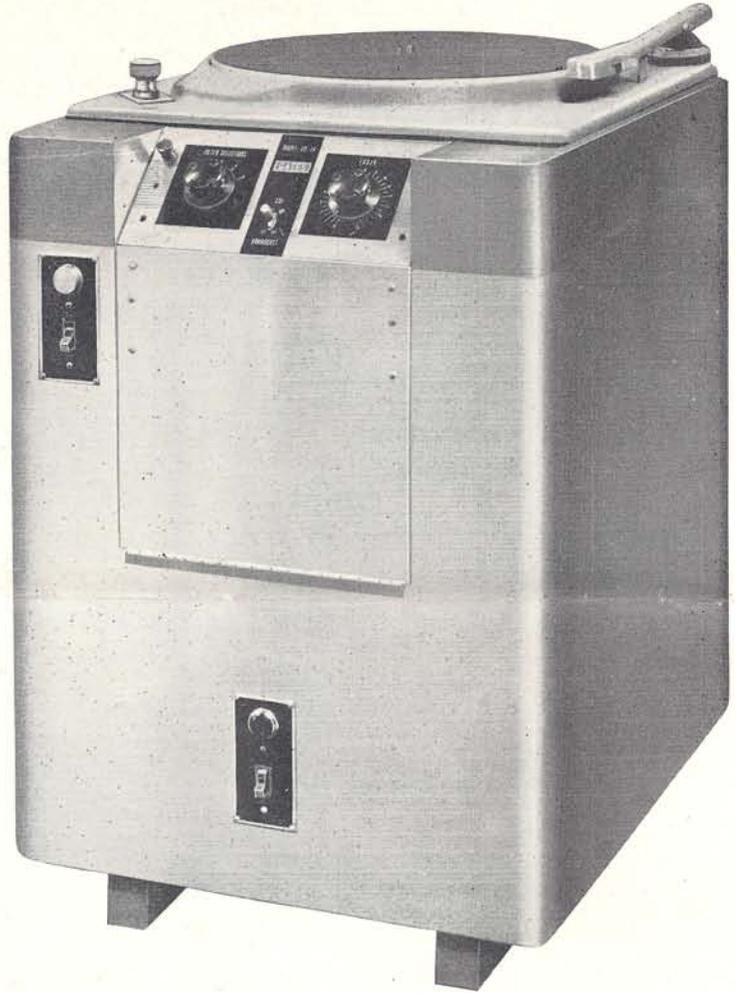
Houston Radio Supply Company
Houston, Texas

Canadian Marconi Company
Montreal, Quebec, Canada

Dillon Broadcasting Company
Dillon, South Carolina

Frankfort Broadcasting Company
Frankfort, Ky.

Valley Broadcasting Company
Portland, Oregon



SALES NAIL

SIX TRANSMITTERS

Joe Pippenger's sales dept. chalked up a six transmitter score for one day on Wednesday, Feb. 27. By the time Bob Flotkoetter set the ADT and turned the key for the night, a five kilowatt, three one thousand watters, and a pair of quarter kilowatters had been sold.

The fiver will go to WCAX, at Burlington, Vermont where Messrs. Hasbrook of WCAX and McReynolds of the Gates New York Office braved a foot of snow to meet at a "Fact Finding Conference" which will result in more power and coverage for Vermont listeners.

The kilowatters are all new Gates BC-1E jobs that are catching on with tremendous popularity. They will go to KMO, Tacoma, Washington, sold by Frank Prince of Manufacturers' Sales Terminal, Gates Northwest outlet; the Dixie Broadcasting Co., newly licensed outlet in Montgomery, Alabama, with Palmisano of Specialty Distributing, Atlanta, taking an orchid on this one; and

lastly the new station granted to Hobart Stephenson in Centralia, Illinois, for 1 kw. operation, kept the face of the Quincy office from being red, ringing the bell for the third BC-1E of the day.

New stations in Davenport, Iowa, and Joplin, Missouri, came in for 250-C transmitters. The boys were ready to agree that happy days were certainly continuing for the sales gang who are making unhappy the hard pressed production department. Though famous for pulling rabbits out of the hat and keeping on schedule, they were already trying to figure out new ways of meeting the broadcasters heavy demands for Gates equipment.

-----☆-----

"Can you define matrimony?"

"Sure, it's just like making a call. You go to adore, you ring a belle, you give your name to a maid—and then you are taken in."

-----☆-----

Chivalry is a man's inclination to save every woman from every man, but himself.



DOROTHY AT HER DESK
"522"

Haven't you actually wondered what the person at the other end of that telephone line looks like? Many of you have had occasion to call Gates, whether for a friendly call or an emergency and heard that pleasant voice say "Gates Radio."

Today we are pleased to give you a glimpse of the "Voice of Gates." She is none other than M'ss Dorothy Muder, our switchboard operator for the past year and a half. Her motto is "I am at your service—the number is 522, Gates Radio."

☆ ☆ ☆ ☆ ☆

KMLB ENGINEER VISITS GATES

Mr. O. J. Morgan chief engineer of KMLB Monroe, La., spent a very enlightening three weeks at Gates getting first hand information on th big BC 5A transmitter being built for that station. We enjoyed having him here, as he is truly a real southern gentleman with his gracious personality and soft-spoken words. We hope that he will enjoy working with his "baby" when he gets it home.

☆

THEY STOPPED AT GATES

During the month some visitors dropped in to view the equipment now in production. Among them were James C. Bailey and Associates of Macomb, Illinois; Stanley Schultz of Trinidad Broadcasting Co., Trinidad, Colorado; R. C. Chapman of Washington, D. C., and Havana, Cuba; Kenneth Patterson of Pekin Broadcasting, Pekin, Illinois; and George Dyson of Alton, Illinois.

☆

"It's wonderful what some insects can do. They say a grasshopper can jump 200 times his own length."

"That's nothing, I once saw a bee raise a 200 pound man three feet off the ground."

TWAS IN THE IDAHO POTATO FAMILY

A heavy discussion was taking place.

"Mother, I'm in love and going to marry the Radio Analyst from the Radio Station," said the young Idaho potato.

"But daughter, you must marry one of the good Idaho potato swains from the next county."

"Oh, mother, why can't I marry the Radio Analyst, I love him."

"Yes, daughter, but he is only a commentator."



A Bit of the Green

Your neighbor may come
From the Emerald Isle
Let's all wear a bit of green!
He's homesick perhaps
For his old domicile
Let's all wear a bit of green!
Saint Patrick it was
Who started the style
Let's all wear a bit of green!
For the Irish a cheer,
For the shamrock a smile
Let's all wear a bit of green!

☆

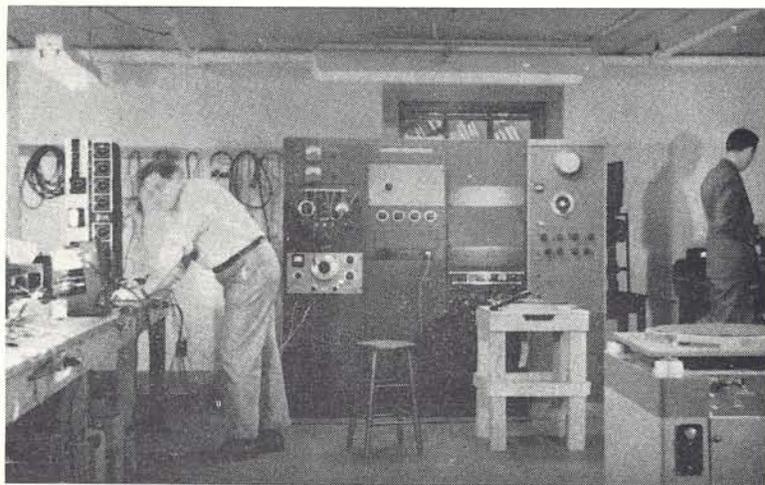
Mr. F. J. Pippenger, Sales Manager, spent the week of March 4 to 9 at the Gates New York office, 40 Exchange Place, doing a little traveling in between the full moments.

☆

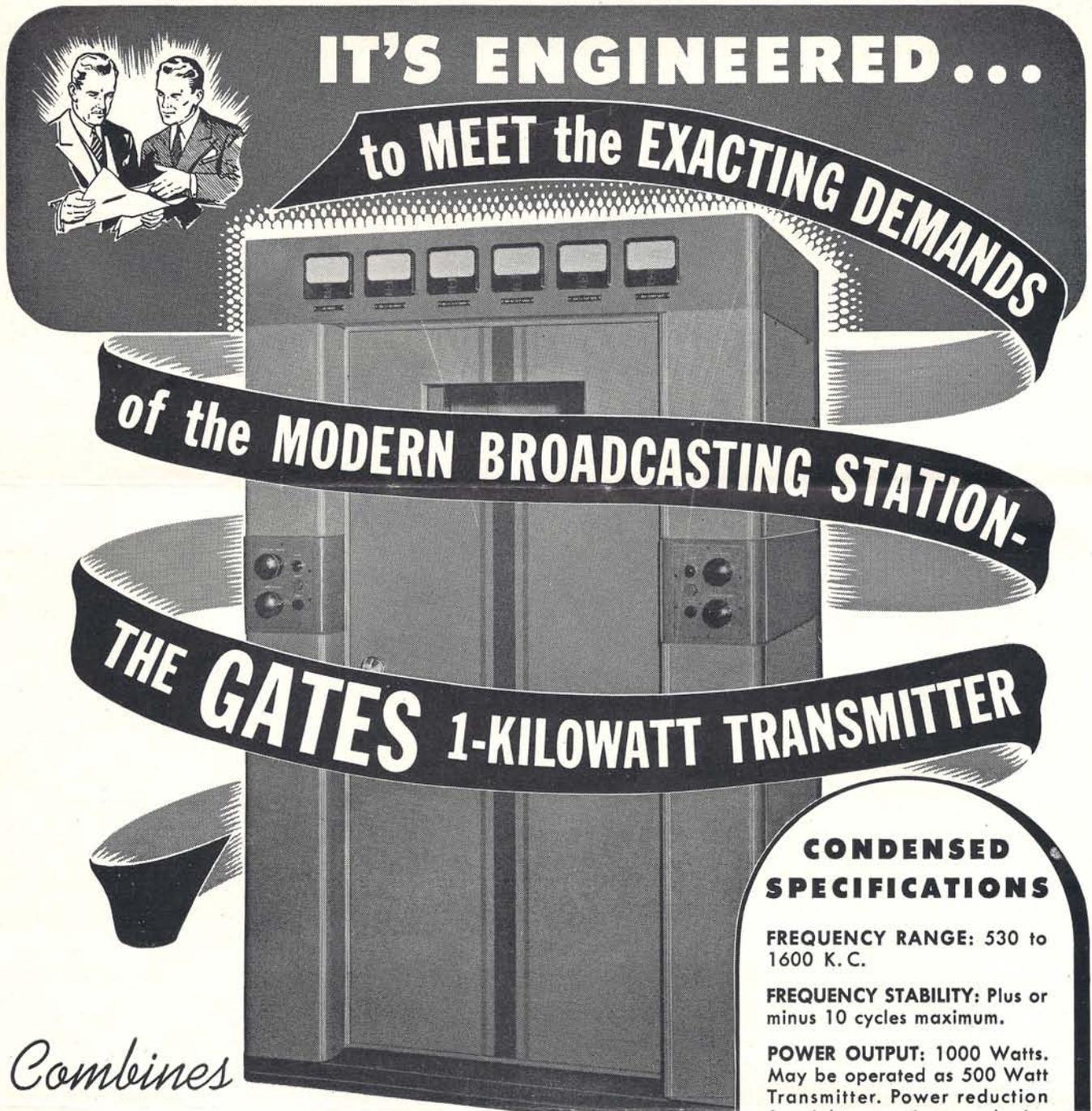
It was lunch hour at the lime works, and Pat's two buddies, deciding to play a little joke on him during his absence, drew the features of a donkey upon the back of his coat, which he had left behind. In due time Pat returned, and presently hove in sight bearing the lime-decorated coat.

"What's the matter, Pat," asked one.

"Nothing much," replied Pat, "only I'd loike to know which one of yez wiped your face on me coat."



EARL SLOAN AND BILL PARKER AND PART OF THE "LAB"



IT'S ENGINEERED...

to MEET the EXACTING DEMANDS

of the MODERN BROADCASTING STATION.

THE GATES 1-KILOWATT TRANSMITTER

Combines

EFFICIENCY • VERSATILITY • DEPENDABILITY

The GATES Model 1-E Transmitter is the most modern installation for the 1-Kilowatt broadcasting station. It combines modern circuit developments, which are the results of strict laboratory tests, with other mechanical improvements that will make your Station outstanding in operating efficiency and showmanship. All parts are accessibly located for simple operation. The streamlined pressure-type cabinet assures dustless, cool performance. Investigate the 1-E Transmitter before considering any other.

NEW YORK
OFFICE:
9th Floor • 40 Exchange Place

GATES

RADIO CO.
QUINCY, ILLINOIS

SOLD IN CANADA BY:
Canadian Marconi Co.,
Ltd., Montreal

CONDENSED SPECIFICATIONS

FREQUENCY RANGE: 530 to 1600 K.C.

FREQUENCY STABILITY: Plus or minus 10 cycles maximum.

POWER OUTPUT: 1000 Watts. May be operated as 500 Watt Transmitter. Power reduction for night operation may be incorporated to suit requirements.

POWER SUPPLY: 230 Volts, 60 cycles, single phase. Regulation not to exceed plus or minus 5%.

FREQUENCY RESPONSE: Within 1½ Db. from 30 to 10,000 cycles.

DISTORTION: Less than 3% from 50 to 7500 cycles. 0-95% modulation.

NOISE LEVEL: 60 Db. below 100% modulation.

WRITE FOR COMPLETE SPECIFICATIONS

EXCLUSIVE MANUFACTURERS OF TRANSMITTING EQUIPMENT... SINCE 1922

GATES KILOWATT INSTALLATION WIDESPREAD

Many orders have been received for new 1000-watt broadcast transmitters and complete radio station installations from various points in the United States. Some of these installations are already in progress.

The new Border Broadcasting Company of Dillon, South Carolina, will soon start operation with a Gates BC 1E transmitter and with a large array of Gates speech and recording equipment. This station will operate on 800 KC in the heavily populated southeastern territory.

The Courier Broadcasting Company of Birmingham, Ala., which recently made national news by its novel financial setup, is soon to go on the air with a new Gates BC 1E transmitter and with all other apparatus throughout, of Gates manufacture. This station, which will operate on 900 KC is a non-profit station, entirely financed by the subscription of private individuals, where a certain amount of time is devoted percentage-wise to religious, educational, entertainment, and other enlightening features.

The new Trinidad Broadcasting Company, of Trinidad, Colorado, recently granted a Construction Permit for 1000 watts' operation on 1280 KC, plan to start operations during April with a complete Gates Installation including the BC1E Transmitter. This station, due to its very favorable location, is one of the few regional stations in the United States which has been granted day and night operation without directional antenna system.

The Dixie Broadcasting Co., of Montgomery, Alabama, has decided in favor of Gates BC-1E for its operation in the Cotton States.

TIME

The seconds are small,
the minutes are too,
But when added together
an hour will ensue;
An hour's unimportant
compared with a day,
But a week or a month
can be garnered that way.

Time in itself
is precious its true,
But its passing is marked
by the deeds that we do;
Time all too soon
is a thing of the past
But the good that we do
forever will last.

Selected.

TWO GATES TRANSMITTERS IN NORWAY

The Norwegian Government has recently received delivery on two Gates HF8 eight thousand watt international transmitters. The equipment is designed for a wide variety of services and operates into a rhombic antenna which is beamed to various parts of the world. Signal reception in the U. S. should be excellent and broadcasters might take mental note of the next program originating in Norway over any of the networks which could well have their origination from these transmitters.

The HF8 Gates International Transmitter has a rated power of 8000 watts, both high fidelity, telephone and high speed telegraph.

LARGE GATES TRANSMITTER FOR EGYPT

The Gates Company has received an order for one of its standard HF8 radio transmitters which reportedly is for use by the King of Egypt. The equipment will be a high fidelity transmission transmitter for operation from 2-20 megacycles at the power of 8000 watts. It can be operated on high fidelity broadcast programs, standard communications, and has a keying speed up to 300 words per minute. Many broadcast station operators who follow the short-wave bands will be interested in listening for this new station in Egypt. Full information will be forthcoming in a later publication.

GATES EQUIPMENT

DISTRIBUTED BY
SPECIALTY DISTRIBUTING CO.
ATLANTA, MACON & SAVANNAH, GA.
CHATTANOOGA, TENN.

RADIO SPECIALTIES CO.

LOS ANGELES, CALIFORNIA

MANUFACTURERS SALES TERMINAL

SPOKANE, WASHINGTON

CANADIAN MARCONI CO.

MONTREAL, QUEBEC, CANADA

HOUSTON RADIO SUPPLY

HOUSTON, TEXAS

GATES RADIO CO.

40 EXCHANGE PLACE, N. Y. CITY

Phone HANover 2-0198

MANY NEW 250-WATT GRANTS ORDER COMPLETE GATES INSTALLATIONS

FCC has been granting 250 watt construction permits at the rate of several a week and a large percentage of these new broadcasting stations are placing their orders for Gates' equipment. Although the list is quite long, the following cities have already received equipment or will receive it:

Milledgeville, Georgia
Cartersville, Georgia
Florence, Alabama
Macon, Mississippi
McAlester, Oklahoma
Frankfort, Kentucky
Hamilton, Bermuda
Pine Bluff, Arkansas
Twin Falls, Idaho
St. Johns, Newfoundland
Klamath Falls, Oregon
Bainbridge, Georgia
Trinidad, Colorado
Little Rock, Arkansas
Lexington, North Carolina
Clanton, Alabama
Joplin, Missouri
Davenport, Iowa

BROADCAST ENGINEERING CONFERENCE MARCH 18 Thru 23

The sixth annual Broadcast Engineering Conference will be held March 18 thru 23, at Ohio State University at Columbus, Ohio, and these members of the Gates' Engineering and Sales Staff plan to attend: Mr. Fred Grimwood, Chief Engineer, Mr. Francis Wentura, Asst. Chief Engineer, Mr. H. G. Alexander and Mr. Joe Pippenger of the Sales Dept. Much interest is centered in the exhibits of postwar equipment to be shown. Discussions pertaining to problems of FM and television will be enjoyed and uses of new materials and developments perfected during the war will be mentioned.

This conference is under the sponsorship of the Electrical Engineering Dept. of Ohio State University and The University of Illinois and receives the cooperation of the NAB and the IRE.

Science professor: "What happens when a body is immersed in water?"

Co-ed: "The telephone rings."

GATES KILOWATT INSTALLATION WIDESPREAD

Many orders have been received for new 1000-watt broadcast transmitters and complete radio station installations from various points in the United States. Some of these installations are already in progress.

The new Border Broadcasting Company of Dillon, South Carolina, will soon start operation with a Gates BC 1E transmitter and with a large array of Gates speech and recording equipment. This station will operate on 800 KC in the heavily populated southeastern territory.

The Courier Broadcasting Company of Birmingham, Ala., which recently made national news by its novel financial setup, is soon to go on the air with a new Gates BC 1E transmitter and with all other apparatus throughout, of Gates manufacture. This station, which will operate on 900 KC is a non-profit station, entirely financed by the subscription of private individuals, where a certain amount of time is devoted percentage-wise to religious, educational, entertainment, and other enlightening features.

The new Trinidad Broadcasting Company, of Trinidad, Colorado, recently granted a Construction Permit for 1000 watts' operation on 1280 KC, plan to start operations during April with a complete Gates Installation including the BC1E Transmitter. This station, due to its very favorable location, is one of the few regional stations in the United States which has been granted day and night operation without directional antenna system.

The Dixie Broadcasting Co., of Montgomery, Alabama, has decided in favor of Gates BC-1E for its operation in the Cotton States.

TIME

The seconds are small,
the minutes are too,
But when added together
an hour will ensue;
An hour's unimportant
compared with a day,
But a week or a month
can be garnered that way.

Time in itself
is precious its true,
But its passing is marked
by the deeds that we do;
Time all too soon
is a thing of the past
But the good that we do
forever will last.

Selected.

TWO GATES TRANSMITTERS IN NORWAY

The Norwegian Government has recently received delivery on two Gates HF8 eight thousand watt international transmitters. The equipment is designed for a wide variety of services and operates into a rhombic antenna which is beamed to various parts of the world. Signal reception in the U. S. should be excellent and broadcasters might take mental note of the next program originating in Norway over any of the networks which could well have their origination from these transmitters.

The HF8 Gates International Transmitter has a rated power of 8000 watts, both high fidelity, telephone and high speed telegraph.

LARGE GATES TRANSMITTER FOR EGYPT

The Gates Company has received an order for one of its standard HF8 radio transmitters which reportedly is for use by the King of Egypt. The equipment will be a high fidelity transmission transmitter for operation from 2-20 megacycles at the power of 8000 watts. It can be operated on high fidelity broadcast programs, standard communications, and has a keying speed up to 300 words per minute. Many broadcast station operators who follow the short-wave bands will be interested in listening for this new station in Egypt. Full information will be forthcoming in a later publication.

GATES EQUIPMENT

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MANY NEW 250-WATT GRANTS ORDER COMPLETE GATES INSTALLATIONS

FCC has been granting 250 watt construction permits at the rate of several a week and a large percentage of these new broadcasting stations are placing their orders for Gates' equipment. Although the list is quite long, the following cities have already received equipment or will receive it:

Milledgeville, Georgia
Cartersville, Georgia
Florence, Alabama
Macon, Mississippi
McAlester, Oklahoma
Frankfort, Kentucky
Hamilton, Bermuda
Pine Bluff, Arkansas
Twin Falls, Idaho
St. Johns, Newfoundland
Klamath Falls, Oregon
Bainbridge, Georgia
Trinidad, Colorado
Little Rock, Arkansas
Lexington, North Carolina
Clanton, Alabama
Joplin, Missouri
Davenport, Iowa

BROADCAST ENGINEERING CONFERENCE MARCH 18 Thru 23

The sixth annual Broadcast Engineering Conference will be held March 18 thru 23, at Ohio State University at Columbus, Ohio, and these members of the Gates' Engineering and Sales Staff plan to attend: Mr. Fred Grimwood, Chief Engineer, Mr. Francis Wentura, Asst. Chief Engineer, Mr. H. G. Alexander and Mr. Joe Pippenger of the Sales Dept. Much interest is centered in the exhibits of postwar equipment to be shown. Discussions pertaining to problems of FM and television will be enjoyed and uses of new materials and developments perfected during the war will be mentioned.

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Even for the man
WITH A VACANT LOT—
AND A DREAM OF A
RADIO STATION



GATES is your dependable source of supply for all Radio Transmitting Equipment—no matter how simple or how elaborate. Because we specialize exclusively in Transmitting Equipment, we are prepared to give you detailed engineering service, plus quality products second to none.

If you are planning to build a station from the ground up, let us help you develop your plans most effectively. And if your need is only for an occasional replacement item, we are eager to serve you too.

For all your Equipment needs—today, tomorrow, or whenever—call on GATES.



**Write for Details About the
 GATES Priority System for Prompt Post-War Delivery**

A Typical GATES-Designed Station

Radio Station WRLC, at Toccoa, Ga., is owned and operated by R. G. Le Tourneau, world-famed designer and builder of heavy-duty, precision machinery. When the Station was built, GATES was invited to handle the entire engineering and installation. WRLC is only one of many stations engineered by GATES. These complete installations are made possible because GATES manufactures literally everything in Radio Transmitting Equipment.



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