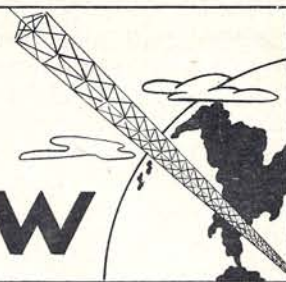




# GATES STUDIO REVIEW



GATES RADIO COMPANY, QUINCY, ILLINOIS, OCTOBER, 1956

## New Gates M5236 Dualux Speech Input Console

By Jay Blakesley — Manager, Audio Sales

**INTRODUCTION:** The new Gates Dualux speech input console provides complete dual channel operation combined with more facilities than ever before available in equipment of this calibre.

With this versatile console, a variety of signal inputs may be cued, mixed or monitored with equal facility.

**CHANNELS:** In the standard model, nine mixing channels are provided, and these are utilized as follows: Channels 1, 2 and 3 each have microphone preamplifiers which are fed from single input circuits. Channels 4 and 5 also have preamplifiers, but alternate microphone inputs may be switched to each, thereby increasing the number of available microphone inputs to a total of seven.

Channels 6 and 7 handle the outputs from four turntables. Table No. 1, 2 or 4 may be keyed into Channel 6, and table No. 2, 3 or 4 to Channel 7. One net and four tape inputs may be keyed into either Channels 8 or 9 and five remote inputs may be switched into Channel 9, a program cue circuit or an overriding talk back circuit.

### PROGRAM CIRCUITS:

Each of the nine channels has its own fader type control, and the outputs from these may be individually connected to either one of two busses, which feed separate high gain program or line amplifiers, designated "A" and "B."

These two program amplifiers have their own master faders and individual V.U. meters. A simple switching system enables the output from each amplifier to be connected to separate lines, opposite lines, both to the same line or to additional audio lines for recording or audition purposes.

With these very flexible switching arrangements, the console can easily handle any complicated program set-up, for example:

Two separate programs feeding individual lines or transmitters.

Two separate programs, one on air, one recording.

Two separate programs, one on air, one rehearsal or audition.

One program, with instant changeover to spare program amplifier and/or line in event of failure.

When only one program amplifier is in use, the spare amplifier and V.U. meter may be used to check and present the levels from all channels before putting them "on the air", thus ensuring constant levels.

**FILTER:** An additional very useful feature is the provision of a high pass filter, controlled from the front panel, which

may be switched into the "A" program circuit. Any of three low frequency attenuation curves may be selected, thus helping to reduce or eliminate undesirable hum or rumble. Furthermore, the response of poorly equalized remote lines may be readily improved during transmission. **CUEING:** Cue facilities are provided for the turntables, and for net, tape, and remote inputs.

The self contained cue/intercom amplifier has automatic gain control, which compensates for changes in level over a range of 20 db, thus eliminating blasting during cueing and talk back.

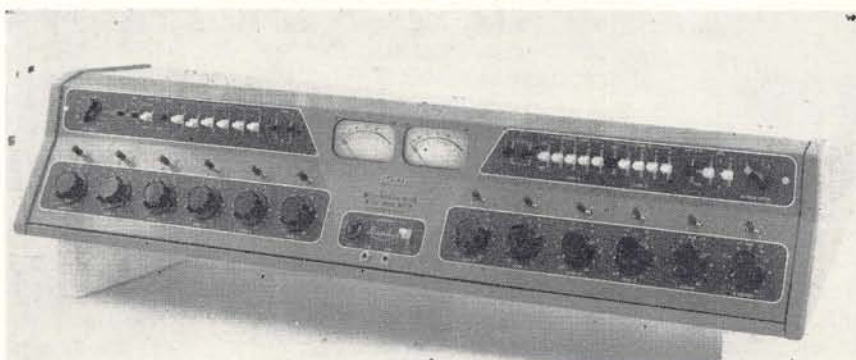
By a single switch operation, the cue amplifier and its associated loud speaker, which are conveniently located in the center of the front panel, become intercom microphone and amplifier, providing talk-back facilities to any of the three studios, or back over the five remote lines. Any interference with "on the air" programs is rendered impossible by the use of electrical interlocking circuits, and muting relays. The particular circuit for which cue or intercom facilities are required is selected by means of an eleven position switch located on the front panel.

**MONITORING:** Provided is a high quality monitor amplifier which may be connected to either the A or B program amplifiers or to an additional external circuit. A bridging transformer and separate attenuator in the input of the monitor amplifier prevents any

overloading of the circuits being monitored. The amplifier provides more than sufficient output to drive three high quality dynamic speakers, and to provide program cues to the five remote lines.

### ADDITIONAL FEATURES:

**Gain Controls:** The two program amplifiers use cascade interstage gain controls which give optimum signal to noise ratio for all conditions. The monitor amplifier uses a high quality step-type attenuator. **Phone Jacks:** Separate monitor and cue phone jacks are located in the front panel. Insertion of a plug into the cue/intercom jack disconnects the cue/intercom speaker. **Muting Relays:** Three relays, which are located on a separate chassis, have contacts for monitor speaker muting, intercom speaker muting, and the operation of studio warning lights. **Additional Preamplifiers:** Sufficient space is available in the console for two additional preamplifiers if required, and they may be powered from the existing supply unit which is more than capable of meeting the increased demand. **Printed Wiring:** The printed wiring type of construction used in





the preamplifiers and program amplifiers must not be confused with the familiar printed circuitry. Printed wiring is a superior method of wiring certain types of audio amplifiers, by applying a heavy copper conductor to a laminated base. All components are then attached to this base in the same way as if ordinary wire were used. Printed components are never employed.

**CONCLUSION:** In an article of this nature, it is not possible to fully cover or describe all the available facilities and unique features of such an item of equipment. However, full technical detail and complete specifications including circuit diagrams and response curve will gladly be sent on request.

Radio Station KSIS, Sedalia, Missouri, is a progressive station located in the rich agricultural Missouri river valley. Completely Gates equipped, KSIS operates on 1050 KC with a power of 1000 watts.

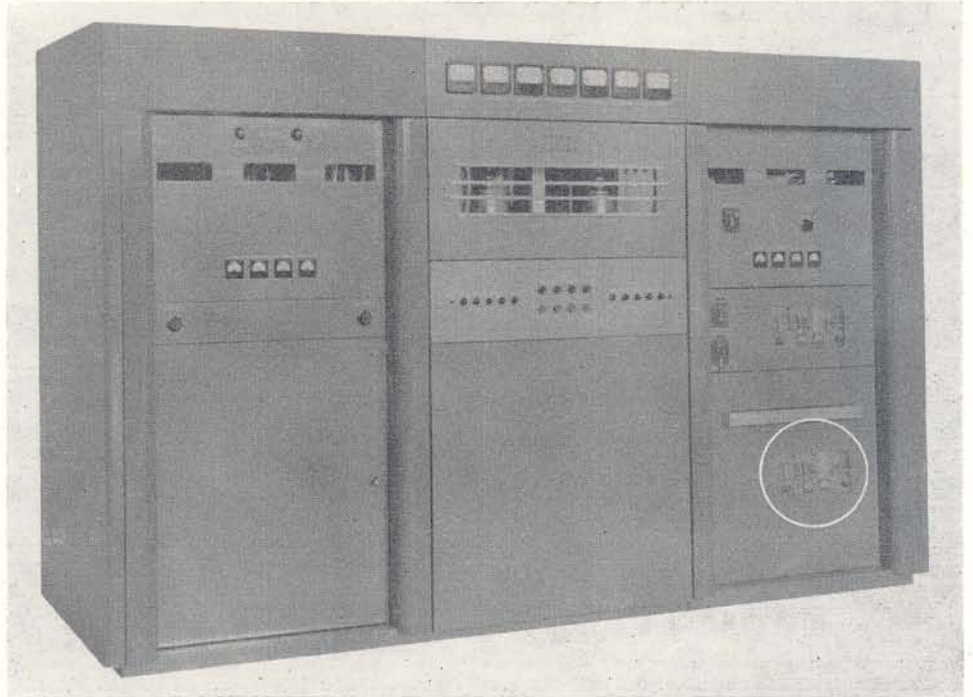


Shown in the picture above is the combined studio-transmitter room of KSIS. Gates' famous BC-1F transmitter provides an attractive background for the recently purchased Dualux console. The Dualux console is mounted on the luxurious BC-4 desk with Gates turntables correctly positioned on each side of the operator. This combination of console and desk provides not only operational comfort, but also presents a professional appearance found only in a custom installation.

Mr. Carl Yates, General Manager of KSIS, found that the increased number of recorded programs was beyond the capabilities of a single channel console. Gates new dual channel console has eliminated all of the production problems associated with delayed programming by making use of the second channel for make-up as well as insuring switch-over facilities in case of failure of the regular program channel.

Aggressive selling plus increased facilities has certainly made KSIS one of the most progressive stations in the middlewest.

## Automatic Conelrad Operation



Gates BC-5E Transmitter with automatic Conelrad provision.

The advent of Conelrad has caused much concern throughout the broadcast industry. This has been caused by two technical problems previously unheard of in broadcasting. The first is the matter of operating the main broadcast transmitter on other than its normally assigned frequency and the second is the problem of keying the transmitter for short periods of operation as required for Conelrad.

The Gates Radio Company Engineering Department was quick to recognize these problems and cope with them.

Since the higher power transmitters are the most difficult to make perform under these unusual conditions, we have chosen the conversion of the Gates BC-5E 5KW transmitter to discuss here.

To assure absolute frequency stability Gates' engineers chose to provide completely separate oscillator and first buffer stages for the Conelrad transmitter. This completely eliminates any changes in the regularly assigned frequency control circuits. In the case of the BC-5E transmitter, the oscillator (6V6) and first buffer (807) are contained in a separate sub-assembly which lends itself well to providing a completely separate unit. An additional crystal heater transformer is installed to power the ovens of the Conelrad oscillator. All other power is obtained from the generously rated regular power supplies. A relay is used to change from one oscillator to the other.

In the BC-5E the following RF

stages are, in turn—one 813, a pair of 810's, and the final amplifier which uses a 3X2500F3 tube. Each of these tuned circuits are adjusted by relays which cut in necessary padding condensers and/or additional taps on the coils of each of the tuned circuits. The transmitter output loading circuits are similarly readjusted. This allows the transmitter to be completely retuned to the Conelrad frequency instantaneously by actuating the relays mentioned which are all controlled by a single switch.

The matter of keying for Conelrad operation generally represents a somewhat more difficult problem in the broadcast transmitter due to the fact that in the majority of transmitters, the final amplifier is self-biased. In the case of the BC-5E transmitter there already existed a bias supply which is very conservatively rated, therefore, this supply was modified to provide a fixed bias for the final amplifier stage. This then allowed the transmitter to be keyed in the cathode circuit of the Conelrad oscillator.

BC-5E transmitters with these modifications have been provided to such stations as WNYC, New York City; WLS, Chicago, Illinois; and WAGA, Atlanta, Georgia. In the case of WLS, the BC-5E transmitter was purchased to operate as a stand-by as well as a Conelrad transmitter and additional interlocking circuits were provided to operate the transmitter in place of the main 50 KW transmitter.

We at Gates are very proud of our Engineering Department for another job well done!



## 5 and 10 Year Service Pins

The big guy pictured here isn't nearly as tough as he looks. Instead he is the genial Harold Laws, who joined the company 10 years ago on July 8, 1946.

Harold has helped on just about every product we make in his tour of duty in practically all radio assembly departments, as well as the engineering development floor. At the present time, he is associated with the new



50 KW transmitter.

He has always been active in sports and after he got too old to play, he took over as manager of the company softball team. Bowling and fishing have also taken up some of his time. At other times Harold may be found operating station W9VTI as a "ham operator" which he has been doing since 1927.

His wife, Thelma, makes up the balance of the Laws family.

Congratulations, Harold, on the first ten.

\* \* \* \*

August 3 was the fifth anniversary for Art Cunningham in the drafting department.

Art tells us that his chief interests are his family and sports. Don, their 14-year old boy, plays on the American Legion Baseball Team, and dad is one of the strongest supporters.

The family increased one this past spring when they picked up a son-in-law because of the marriage of a daughter, Donna. Patty, 10, is the youngest of the Cunninghams. Mrs. Cunningham, Helen, is the mother looking after all of the family.

Congratulations, Art, on five good years.

\* \* \* \*

Five years of service were completed by Elvin Ballow on August 6, 1956. During this time he has had a variety of experience in sheet metal, navy transmitters, coils, cables, and miscellaneous assembly.

El and Rose moved to the country a couple of years ago and are located one mile west of Taylor, Missouri. In addition to their children and four



grandchildren, El enjoys bowling, golf, hunting and fishing.

Good luck, El! Your 10-year pin is waiting.

\* \* \* \*

July 17 was the day for Omer Walton to ring the 5-year service bell. Actually Omer spent some earlier time with us but left to go to school.



oratory.

Omer has many interests—has played on the company softball team, and done considerable in amateur radio on station W9YGP. Now he is a hot rod enthusiast—not on the highway but on the Mississippi. He says his boat will really move.

Mrs. Walton, Doris, and their children, Lee, Dean, and Jill are backing up Omer at home. Omer, we have a 10-year pin waiting for you.

\* \* \* \*

Thelbert Niehoff joined the 5-year service club on August 28. Thelb spent 6 busy months in many different departments before settling down in the breakdown section of engineering where he has been the last 4½ years.



These have been great years for Thelb because he found himself a bride (Joan Davis) in the engineering department and now there are 3 little Niehoffs.

Besides bowling, he says he doesn't find time for anything else other than his family. In fact, he has been painting the house for the past year.

Congratulations, Thelbert, to you and your family. May the next five years be good ones for you, too.

\* \* \* \*

Bill Hoyt joined the engineering department five years ago on September 6. After graduating from Tri-State College, Bill gained some experience in another field before taking on his duties with Gates.



These five years have been spent in many phases of engineering, with the most recent assignment being in charge of the

mobile TV transmitter project at the new plant.

Bill keeps busy after 5 p.m. with the Boy Scouts, church work, fishing and bowling. He says he isn't much of a bowler but did break 200 once.

Betty and their three boys complete the Hoyt family.

Congratulations, Bill, on the first five.

\* \* \* \*

September 10 was the day for Art Brown to join the 5-year service group. These five years have all been spent in wiring and assembly



work, either in the model shop or in one of the assembly departments.

Art, like many of our men, is a ham radio fan with call letters of W9QFH. He tells us the last three letters stand for "Quincy's Fat

Ham." These are his own words!

In his other spare time, Art enjoys hunting, fishing, and photography. The other members of the Brown family are Mrs. Brown, Teresa, and their two children.

The next stop is the 10-year group.

\* \* \* \*

Gertrude Gish joined the 5-year service group on September 12. She has spent these years in many of the assembly sections, as well as the cable department and the inventory record card section in the accounting department.



She tells us that her chief interests outside of work are her children and most of all now, the grandchildren. Even though she wouldn't admit it,

we'll bet she is the typical grandmother and does her share of spoiling the three little ones.

We're looking forward to presenting you with a 10-year pin, Gertrude.

\* \* \* \*

Karl Fleming joined the Gates family five years ago on September 12. During these five years he has gained experience in many departments. In addition to the cable and



assembly departments, he was with the Wheels job at the airport, Voice of America job at the new plant, and is now in the machine shop.

Photography is one of Karl's hobbies and he has had some pictures published in the Quincy paper because of his being



on the spot at the fires, etc. He is also interested in model railroads and archery. Anyone attending the company skating parties saw Karl doing some pretty fancy skating.

Freda and the three children make up the balance of the Fleming family.

Congratulations, Karl, on the first five.

\* \* \* \*

Lyman Ennis chose September 13 as the day for starting with Gates five years ago. All these years have been in the sheet metal department,



where Lyman can step in and run any piece of sheet metal equipment.

When we asked him about his hobbies, etc., he said that his main interest is his family and home. Mrs. Ennis, Toni, and

Paula, age 7, are the female members of the family. Toni works on the want ad desk of the Herald-Whig and has helped us a great deal in placing ads and locating places for new people to live.

Lyman, we have a 10-year pin waiting for you.

\* \* \* \*

Les Slates joined the Gates family 5 years ago on September 13. He helped get the Wheels job rolling at the old airport and for the past couple of years has been in the test laboratory.



During the past several months, Les has been on the sick list and is now recovering from a recent operation in Barnes Hospital. Late re-

ports sound good, and everyone is pulling for a speedy recovery and an early return to work.

Doris and the three children have been sticking right by "Pop" during his illness and are also anxious to see him "up and at 'em" again.

Congratulations, Les, on the first five and the next stop is ten years.

\* \* \* \*

September 17, 1951 was a busy day because Esther Enlow joined us at that time, too. She moved around in several departments the first few months, but for the last four years has been in the model shop and the engineering development department.



Her husband, Clyde, also has a long

service record as he has been with the Moller VandenBoom Lumber Company for 25 years.

Esther tells us their main interest is church work. They are quite proud of their new church which is being built at 33rd and Broadway.

Congratulations, Esther, on the first five years.

\* \* \* \*

Mary Ellen Rupp tried a couple of earlier hitches with the company and came back to stay on September 13, 1951.



This pleasant, smiling lady has helped in many departments, such as, stock, cables, and general assembly. We don't know what her total time would be if we added the first two stays with us, but doubt if it would equal the 30 years

her husband, Gene, has put in at the shoe factory.

The Rupp's chief interest is their son, Basil, who is located at Camp Pendleton, California with the Marines. Mary Ellen bowls in our girl's league and says she also likes to fish. Congratulations, Mary Ellen.

\* \* \* \*

Viola Mangold moved into the five-year group on September 17. Her entire five years have been spent in various assembly and cable departments.



She is another one of our proud grandmothers. All of her children except Albert Lee Carpentier, who is a Junior at Illinois College, are married and she says the grandchildren

total up to six.

Vi, we have a ten-year pin waiting for you. You are going to have to hurry to compete with your husband, Charlie, who has been with Gardner-Denver for 39 years.

\* \* \* \*

Gus Kaufmann also chose September 17 as the day to join us 5 years ago. In talking to Gus, he showed us the ad he answered on September 13 for a watchman on the Wheels job at the airport.



After keeping everything under control out there for almost two years, he moved to the new plant as janitor in 1953. Even though it is

rather lonely opening up at 4 a.m., he

likes it and takes a great deal of pride in his work.

Gus and Mrs. Kaufmann, Elsie, have 3 boys and 12 grandchildren, and much of their time is spent enjoying their family. They also like flowers, and Gus tells us he has some real good hi fi equipment.

Keep up the good work, Gus. The next stop is 10 years.

\* \* \* \*

This good looking guy, Jim Wells, received his five-year pin on September 21. Jim joined the company as a young fellow to help on various utility jobs and soon proved himself.



He has come a long way during his time with the company.

For the last 3 years he has been taking care of the testing of remote control equipment in the test laboratory.

Jim tells us that he has done a little bowling, but his main interest in sports has been softball. For many years he has held down the pitching assignment for our company team.

Nancy and "Little Jim", 17 months old, are the other members of the Wells family. Good luck, Jim, in the years to come.

\* \* \* \*

Another person to move into the 5-year group in September is Bob Koettters. The anniversary date was September 17. At the present time



Bob is in the phasor section, but has had a variety of experience in other sections.

In case you gals don't realize it, Bob is one of our most eligible bachelors. (Bob says, "At least a bachelor.")

His spare time finds him doing some bowling and fishing and also singing in the St. Francis Glee Club. He could even sing to you, girls!

Next stop, Bob, is 10 years.

## 1 and 3-Years Pins Presented

Congratulations to those people listed below, on the completion of their first, or third year of Gates service. It is wonderful to see this evergrowing list of names, and especially the length of names under the 3-year column. Keep up the good work!

### 1-Year

Barbara Resa	Betty Oenning
Ray Cantrell	Leona Coates
Inez Gill	Albert Siebers
Stan Ponte	Clair Frost



**3-Year**

Clara Taylor	Peggy Maddox
Turk Hill	Yvonne White
Lola Balsar	Don Ahrens
Kyle Snowhill	Gerry Bonness
Betty Sue Meyer	Roger Newell
Frank Brown	Kenneth Hill
Pearl Creech	Ruby Wilcox
Jack Eliason	Dave Sprague
Marcella Edgecomb	Dee Schoch
Margaret Renier	Gloria Sizemore
Claude Turner	Esther Kattleman
Rosie Foster	Hal Arment
Laverne Reese	John Harrison
Hazel Kinder	Rosamond Turner
Helen Roberts	David Cantrell
Charles Otte	Jeanette Blake

**Stock Department News****By Gerry Bonness**

Chicago seems to be a popular vacationing spot for a lot of folks in the stockroom, or at least that was the place for the Bonness's, Kattelmans, and the Al Manns. The Mann family also visited an Artonville, Minnesota radio station that is equipped with a Gates transmitter.

Art and Hilda Bocke went to Denver where they enjoyed the zoo along with the mountain country.

Betty and Bob Hickerson took in the sights at famous Disneyland, in California, and report a delightful



time. This picture shows Bob and Betty beside one of the attractions of Disneyland.

Springfield, Missouri was Turk Hill's destination. Turk reported he enjoyed the "Ozark Jubilee" but was disappointed to find his favorite program was completely without Gates equipment.

Fern Foster put her new car to work by taking a trip to Peoria, Illinois. While there she took her first boat ride and got in plenty of fishing.

**Test Lab News****By George Hanawalt**

Dick Wellman reported that during vacation he tore his car apart, again, and painted his porch. He was in St. Louis with his family, where they spent a day at the zoo. The Wellmans also visited the Illinois State Fair and Dick spent some time fishing near Quincy.

Omer Walton insists he didn't drive that new Oldsmobile on any long trip during vacation. He did build a trailer for his boat and spent some time boating.

Jim Havermale reports part of his vacation was spent painting his house.

Don Hubbard had his vacation a little early this year and went to Camp Ripley, Minnesota for two weeks with the Medical Corps. He says it rained day and night while he was there but it didn't drown the mosquitoes, which were the size of wasps.

Jim Wells fenced his back yard and spent the rest of his two-week vacation working for his wife.

George Hanawalt and son, Donnie, drove to Chicago and visited Frank Hanawalt and wife. The Sunday before returning to work, George served as best man at his step-son, Virgil Hockgraver's wedding.

**Engineering Development News****By Esther Enlow**

John and Margaret Anderson vacationed with friends and relatives in Indiana, their original home. Esther Enlow and her husband also enjoyed their vacation visiting friends. They spent several days near the Tri Cities.

Roger L. Newell and Donna Mae Griffin were married June 17, in the Central Baptist Church. Rog's father, Rev. L. L. Newell of Mason City, Illinois, officiated at the ceremony.



Rog has been a technician with Gates for the past 3 years and Donna is employed by the Gardner-Denver Company in the cost department. The Newells are now living at 821 Ohio. Best wishes for a long, happily married life!

**Engineering Department News****By Dotty Lahrman**

There's lots of vacation news and we'll start out with the Ahrens family, Don, Lillian and Barbara. They stopped at the Painted Desert and Grand Canyon on the way to Pasadena, California. They also saw Disneyland, two T. V. shows and said "hello" to Bob Richards and Bill Clithero of the

Los Angeles office. On the way home they saw Hoover Dam, Las Vegas, Zion National Park, Bryce Canyon and Salt Lake City. They drove 4,700 miles without mechanical or tire trouble only to pick up a roofing nail in a tire the day after returning home.

Hal Krueger and family went to Denver. Here is a snapshot of the



children enjoying a visit with some native Americans.

Willard Lindsay and family were in Minnesota. He reports—No Fish—but they had a good time.

The George VanDeBoes went to Tennessee and Mississippi, Virg Krull and family visited relatives in Kansas, and Herb Zimmerman and family visited relatives in Oklahoma.

Les and Ruth Petery were out through their old stomping grounds in the northwest, visiting the Black Hills, Devils Tower, Mount Ranier, Olympic Peninsula, Craters of the Moon and the tetons. As usual, Pete



took lots of pictures, but here's one he didn't take. It shows him in the Teton Mountains in Wyoming.

Art Cunningham and family went to the Lake of the Ozarks, Fort Scott, Kansas and then on to Chicago, while Bill, Mrs. Hoyt and the boys, enjoyed a trip to the St. Louis Zoo.

John Birch and family moved into their new home the first week of vacation and then recuperated the second week at the home of relatives in Ohio.

Francis and David Wentura went to Arkansas to look over the college situation. Evidently Dave liked the situation closer to home better because he is now enrolled at Western State College in Macomb, Illinois.

The Hardin Stratmans left Quincy by car two weeks ahead of vacation to



go to Grand Junction, Colorado where Strat was to install a Gates 5KW-TV transmitter. From there the Strats did considerable sightseeing, and after pop finished his work the family went on to San Diego to visit friends. The high point of the trip for the kids was the Blue Pacific which they had never seen before. Pheonix, Arizona was the last stop be-



fore returning home. This picture shows Strat and his sons somewhere in the west.

## Cable Department Capers

By Dee Pusey

Mr. and Mrs. Roger Bolt did not take an extensive vacation trip this year because they felt Kevin, the newest member of the family, is not quite ready for long trips. They did go to St. Louis and attended Cinerama. Rog says it is so realistic he nearly got air sick from the ride in the plane.

Mary Gallaher and family headed southeast and visited Nashville, Tennessee and points of interest in that locality. Mary enjoyed her visit so much that she plans a longer stay next year.

Cora Behrens spent her vacation visiting with her parents in Montrose, Iowa. She also went to St. Louis for a tour of the zoo.

The most extended traveler in our department was Dee Pusey, who headed west to visit her daughters in Pheonix, Arizona and San Diego. She found time to go over into Old Mexico and make a quick trip to Disneyland.

When the Mobile unit took our chest x-rays they found trouble for Doris Cheney, and she spent her vacation visiting the doctor. We're glad that Doris is now back at work. Thanks to the early detection of a lung congestion by the Mobile Chest X-Ray Unit, she was undoubtedly saved a lot of expense, suffering, and hardship from a more serious illness later on.

## Chatter From New Plant Assembly Department

By Ruth Wilkey

Marjorie Spencer and husband took a vacation trip to Yellowstone Nation-

al Park and parts of Montana.

Francis Sharp and husband spent part of their vacation at the Lake of the Ozarks. We didn't hear if they caught any fish.

Marg and Bernie Renier vacationed around Chicago; Wabash, Indiana; Three Rivers, Michigan, and their camp near home. Other Chicago visitors were Ken and Helen French, who made the rounds of city sights. Jim Gibson and Neal Middendorf, were also in Chicago, attending the American Legion Convention.

Inez Gill took quite an extended trip, all the way from Louisiana to Texas and Arkansas.

Ruth Wilkey is a new grandmother, as John Wesley Wilkey arrived during the past summer.

## Happenings In Bonness' Dept.

By Mary Ellen Rupp

Congratulations to Mr. and Mrs. George Cribb. A baby daughter arrived at their place on September 5.

Mrs. Hazel Kinder is a proud grandmother. A baby boy, named James Clark, was born to her son and wife, Mr. and Mrs. Larry Kinder.

Marilyn Stieghorst spent her vacation in Connecticut with relatives. She did a lot of sight seeing and swimming.

Some of our people enjoyed their favorite sport, fishing, during vacation. Lavina and Ed Fahey were in Minnesota and Kyle Snowhill reported a fishing and sightseeing trip in Canada.

Bob Koettters also enjoyed a Canadian vacation, stopping for some sight seeing in Wisconsin on the way. The Chuck Taylors toured the Ozarks, both Missouri and Arkansas, and also some parts of their home state of Illinois.

Gene Crossan and family found themselves in Yellowstone and the Black Hills, and Marie Carter visited with her sons and families in Texas, to get caught up on all family news.

## SYMPATHY

We wish to express our sincere sympathy to Carl Smith and family on the death of his mother, to Neal Harvey and family on the death of his father-in-law, to Bessie Epping and family on the death of her father-in-law, to Faye Fuller and family on the death of her brother, to Roy Bush and family on the death of his grandmother; to Kenneth and Helen French and family on the death of their brother-in-law, to John Beckgerd and family on the death of his father, and to Mr. and Mrs. Jim Wells and family on the death of their infant daughter.

## Annual Gates Family Picnic Held At South Park

On Thursday evening, July 19, 1956 at 6:15 p.m., over 600 people, including Gates employees with their families and friends, gathered in South Park for a fried chicken dinner complete with all the trimmin's. The ladies of the Paloma Methodist Church did their usual good job in preparing and serving the delicious dinner, which was thoroughly enjoyed by everyone—that is until—

### The Rains Came!

It was when dinner was almost over, and many were ready to start on some extra pieces of chicken, or an ice cream bar, the downpour started.



Suzi, Pam and Rog Veach getting in some early ping pong.

People scattered in every direction. Some of the smarter ones had headed for the shelter houses a bit earlier, but the hardy ones (fool hardy perhaps) decided to stick it out under the trees or picnic tables, much to their later sorrow.

Bob Fisher, our company photographer is responsible for all of the adjoining pictures.

Sound equipment used to provide entertainment, announcements, etc., was furnished by Jim Havermale.

Much credit for the park arrangements is due Gib Allen and his committee, Larry Poor, Dave Cantrell, Neal Middendorf, Ed Lowary, Turk Hill, Bob Hickerson, Buster Riggs and Ken Schuerman.



Earl Penn needs a couple of extra hands.

In spite of the downpour, a good time was had by all. Many reported they got a big laugh out of the water-soaked locks, as well as clothes of some of the ladies. One of the goals lost her shoes running across the park to the shelter, while another one braved the storm and finished her dinner in the rain. Yes, the people were dampened—but the spirits of the Gates people were not!



# Gates Sales Engineers Attend Annual Sales Meeting



Gates Sales Meeting starts off with a bang as marching band crashes through Gates emblem to serenade sales engineers.

A timely political convention atmosphere set the stage for the 1956 Gates sales meeting, held in Quincy recently. The entire Gates sales force, including members of the International Division, and of Canadian Marconi Company who represent Gates in Canada were present for the three day affair.

Highlights of the program were the introductions of new equipment, including the BC-50B 50,000 watt broadcast transmitter, the BC-5P 5000 watt transmitter, the Dualux console, and the Auto-Station.

With full recognition of the importance of engineering, the Gates engineering Department participated fully and started off the first day's program with a very dramatic and novel introduction of the sensational Auto-Station. This new product was a complete surprise to the Gates sales organization since its design and de-

velopment had been a very closely guarded secret. The Auto-Station offers a completely new concept of programming and its advantages in improving production techniques for AM stations already have been recognized by station managers and program directors.

Major excitement also was created by the introduction of the new 50KW broadcast transmitter, which completes the Gates line of AM transmitters from 250 watts to 50,000 watts. The BC-5B 50KW model is high level modulated and was designed for economy of operation, compact size, and quick accessibility for easy service.

Numerous presentations were given on other new products which were on display in the meeting hall, thereby permitting demonstration and detailed observation of the construction and design.

The program, under the direction of Sales Manager Larry Cervone, included talks by President P. S. Gates, L. I. McEwen, and members of the sales staff and other departments. Those participating were Jay Blakesley, Bob Kuhl, Urlin Whitman, Bob Maki; N. L. Jochem, Director of Engineering, and other members of the Engineering Department; Ray Jochem and Bob Walton.

The meeting closed with a tour of the Gates factories, where manufacturing and production techniques were discussed by Howard Young, Plant Manager. An interesting part of the tour was the observation of the new 50KW transmitter, which was under construction.

The main purpose of the Gates sales meeting was to help make our sales engineers better informed on our products and our new developments in the industry, so that they can serve our customers even better.



## Addition and Promotions In Sales Department

On August 1, Bob Hallenbeck joined the sales organization as sales engineer to cover the northeast territory out of Albany, New York. Bob's wide experience in radio work brings him well qualified to handle this new assignment. Most recently he was Chief Engineer of a 5KW station in Boston.

Backing up Bob at home are Mrs. Hallenbeck and their two boys.

Welcome, to the Hallenbecks.

### Regional Managers Announced

Effective October 1, three new positions were created in the sales organization when Dick Spruill, Ed Wilder, and Claude Turner were promoted to Regional Sales Managers.

To coincide with the continued growth in the sales organization, these new positions have been established.



Dick Spruill, Southeast Regional Manager, will be in charge of the Atlanta branch and all sales personnel assigned to the states of North Carolina, South Carolina, Florida, Tennessee, Alabama,

and Georgia.

Ed Wilder, Northeast Regional Manager, will be in charge of the New York and Washington D. C. offices and all sales personnel in the New England states, New York, Pennsylvania, Maryland, Delaware, West Virginia, Virginia,

and the District of Columbia.

Claude Turner, Western Regional Manager, will be in charge of the Los Angeles branch and all sales personnel assigned to the states of California, Arizona, Nevada, Oregon, Washington, and Idaho.

This is a progressive step for our sales organization and these three men with vision, enthusiasm, broad background, and experience are highly qualified for these new positions.

Best wishes to Dick, Ed, and Claude.

## Gates Displays At WESCON Show



Many new audio products, including the Gatesway console, transistorized remote amplifiers, and the Sta-Level constant gain amplifier, were featured in the Gates display at the recent WESCON show.

The Gates booth was host to many broadcasters, recording studio engineers, and other visitors from the electronics field. Many also took advantage of their stay in Los Angeles to visit the Gates Los Angeles branch,

located at 7501 Sunset Boulevard. The Los Angeles branch is adequately stocked with various types of accessory equipment, such as tape recorders, tubes, and daily maintenance items, as well as Gates products, so that prompt service can be given to our customers on the West Coast.

In attendance at the Gates booth during the WESCON show were Bob Richards, Hal Arment, Bill Clithero, and Claude Turner.

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