

# GATES

## STUDIO REVIEW

GATES RADIO COMPANY, QUINCY, ILLINOIS, JANUARY 17, 1961

30 GATES PEOPLE ENROLLED IN ADULT EDUCATION CLASSES held twice weekly at Quincy High. There are two groups -- Schematic Reading, Component Identification, taught by Bob Nickerson -- and Electronic Theory, taught by C. V. Clarke. Bob has 22 students, and C. V. has 25 students. Here are the Gates people attending these classes.

### Schematic Reading-Component Identification

R. Allensworth	Robert Jensen
G. Allensworth	Albert Mann
John Bowers	Fred Meyers
Art Cunningham	Dick Slight
Stella Cuyler	Marjorie Stone
Carl Holtman	Dale Vandeenboom
	John Weed, Jr.

### Electronic Theory

Jerry Arp	D. Finley	Chas. Smoot
Dick Best	Bob Ford	R. Wilson
R. Bonness	B. Guenther	
D. Collins	Neal Harvey	
Jim Corbit	N. Middendorf	
D. Crawford	Jim Moss	
Fay Daniel	Chas. Otte	

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TWO MEMBERS OF MAINTENANCE DEPARTMENT recently became proud fathers -- a son arrived in the home of Mr. and Mrs. Sterling Johnson on December 19 -- and a daughter to Mr. and Mrs. Robert Bangert on January 3. Congratulations everyone!

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CONGRATULATIONS TO MARVIN RICE, Stock, and BILL WEED, SR., Metal Fabrication, who rang the 10-year service bell January 15, and January 25. Bob Johnson, Maintenance, will celebrate his 5th anniversary January 25. Several one-year pins have been presented in January with more to be received during the month. Here they are -- Ken McKenzie - Melvin Miller - Jim Shockley - Don Norell - Charles Smoot - Jack Allen - Allan Austin - Bob Allensworth - Bill Butler - Fay Daniel - Tom Deitzman - Glenn Evans - Morse White - Bill Lepper and Gilbert Haistings.

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GATES EMPLOYEES CREDIT UNION elected directors for 1961 at Annual Membership Meeting January 18. Those elected were -- Lewis Phillips, Ed DeGroot, Mildred Vollmer, Weldon Steinbach, Con Hardwick, Dean Niederhauser, Hank Anderson, James Moss and Henry Durrett.

The Credit Union encourages thrift in savings -- and offers convenient and worthwhile credit to members. If you are not a member -- see one of the directors listed above. If you are a member -- and desire information or help -- see a director immediately.

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### FOR SALE:

- \*17" television set -- Gene Yochum, BA3-8714.
- \*1/4" electric drill -- Bob Hinton BA2-7258.
- \*1/4" electric drill -- Bill McClintic, Eng'r. Dev.
- \*Precision Model E-400 Sweep Generator, 65W Globe Scout Transmitter, 200 Watt Transmitter -- Hays Walther, BA2-1668.
- \*Heath "QF-1" "Q" Multiplier -- Omer Walton BA3-3942.
- \*Lionel electric train - 5 cars -- Lester West BA3-8870.
- \*50 amp. hook up suitable for camp - electric stove -- Jim Moss TU5-3303.

### WANTED

- \*Woman to do house cleaning on Fridays -- John Kattelman BA2-8842.
- \*Vacuum Tube Volt Meter -- Charles Otte BA3-1726.
- \*Used Typewriter -- Bob Bonness BA3-3319.



## IBM INSTALLATION MOVING INTO HIGH GEAR ... by Hank Durrett, IBM Supervisor

FOR THE PAST FEW MONTHS there has been much activity at Gates to get our new IBM equipment installed -- and information gathered so the company may make use of this modern data processing equipment as quickly as possible.

YOU MAY HAVE NOTICED one day last summer it was necessary to remove the front door so a new machine could be moved into the building. This has been just one of the problems met during this installation -- and solved as it was met -- as many other problems have been solved. But, aren't you glad this happened in summer, instead of winter!

THE BASIC FUNCTION OF IBM is to gather data pertaining to, or needed by, a particular business. This is done by means of tape or punched cards -- which are mechanically sorted and arranged to print this data of various company activities in a report form to give management a clear and concise picture of company business as it happens.

ONE OF THE BIG JOBS IBM IS TO HANDLE is our stock records. This meant cataloging over 20,000 parts used in the manufacture of our products, setting up a standard description of each product so everyone would know exactly what was being referred to -- and punching IBM cards for these parts. With these punched cards, we will catalog the 20,000 parts and will be able to inform all people concerned just what we have. This will enable us to post the daily stock balances much more rapidly -- at the rate of 60 ledger cards per minute. This project was started in September and should be completed in February or March. During this process approximately 100,000 IBM cards will be used.

ALL GATES PEOPLE received a result of IBM recently when W-2 forms for reporting income tax were distributed. Payroll checks will eventually be printed on IBM equipment. Other jobs will include bills of material, complete stock reports, billing and sales analysis, as well as reports relating to payroll. In addition, there will be miscellaneous reports as requested. We are already handling part of these assignments.

ANOTHER BIG JOB in a new IBM installation is to educate people so they will know what IBM can do. We must know exactly what is needed if a report is going to be of value. You may have heard that computing machines can think faster than humans -- can perform tasks in seconds that will take humans days! It is true they can compute much faster -- in a twinkling they can do what may take a human brain hours or days! But a computer cannot think -- they cannot grab a stack of punched cards -- they lack the brains to know which stack to grab -- they can't punch the cards in the first place! Regardless of how complex and efficient scientists develop these machines, a human must tell them what to do -- and they serve us by doing it faster and more accurately!

THE IBM DEPARTMENT is striving to serve the people at Gates in the best way possible, and to meet the goals as set by management.

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On the right is Hank Durrett, IBM supervisor, at our 402 Tabulator, which adds, subtracts, and tabulates up to 150 punched cards per minute -- all controlled by plug boards and wiring. Hank reports this machine has approximately 75 miles of wire and over 3,000 sets of relay points. The 402 is a printer, and will handle most of our reports.

MARY and HANK both came to us with lots of IBM experience. We are fortunate to have such well qualified people to help with the installation and operation of this new progressive program. All of us at Gates are proud of the job they are doing -- and of our company for moving forward with this modern computing equipment!



Here is Mary Bradley, key punch operator. Mary has punched thousands of cards to get our IBM system "on the road." She takes the original document and transcribes the information to obtain the punched card. This work is exacting for one error will throw off an entire report.

