

# First Anniversary General Radio News

Published by the employees of the General Radio Co., Cambridge, Mass.

Vol. 2

NOVEMBER, 1939

No. 1

## CREDIT UNION AMENDMENT

Due to the fact that a few questions have arisen regarding the proposed amendment to the By-laws of the G. R. Credit Union regarding joint accounts, a general explanation would seem to be in order at this time.

It should be understood that taking advantage of this amendment is entirely optional and no one is required to do so.

This amendment would permit deposits being received in the names of two persons, payable to either or to the survivor. Such deposits or any part thereof or any dividends thereon may be paid to either such person or his assignee whether the other is living or not, provided they are not then attached at law and no written assignment has been received from either person. The main advantage of having a joint account and our primary reason for proposing this amendment is, so that in case of the death of a member (there being no legal claims as stated above) the survivor may withdraw the shares in the account without having the estate probated, which action generally withholds payment for a considerable length of time.

The joint holders of the account have mutual privileges of deposit or withdrawal except that no withdrawal may be made without presentation of the pass book. This enables the holder of the pass book to control withdrawals. Only members who are employees of the General Radio Company may apply for loans.

Since the new joint holder is not considered a member of the Credit Union in the true sense of the word but, as stated in the amendment, merely has the privilege of deposit or withdrawal, the share limit will remain as at present, i.e., \$4000.00. A joint account may be held by an employee and a minor.

There will be no charge made for changing an account and duplicate pass books will not be issued.

It will be necessary for the members to vote on this amendment at the annual

meeting held Tuesday, November 21, at 4:30 P.M. and, if the vote is favorable, said vote must be submitted to the Bank Commissioner. When his approval is received the By-laws stand amended. Therefore, it may be a matter of a few weeks after the annual meeting before accounts may be changed over and new signature cards will be available to those wishing to have joint accounts.

*(Copied from a recent issue of the  
Boston Globe)*

Mr. and Mrs. Louis Frederick Buff of Brookline, formerly of Beacon Street, announce the engagement of their daughter, Miss Laura Edith Buff, to Mr. Arthur Eastham Thiessen of Cambridge, son of Maj. and Mrs. Alfred H. Thiessen of Arlington, Va.

Miss Buff is a graduate of the Brimmer School and the University of Wisconsin. Mr. Thiessen is a graduate of Johns Hopkins University and is a member of Alpha Tau Omega fraternity.

A recent study made of 163 of the country's larger companies showed that they employed in 1938 an average of 2,854,382 persons. For each one of these employees there was a tax of \$576 assessed by the various governmental agencies ranging from municipalities to Federal Government.

The junior partner had been on a visit to a distant branch office, and was giving his father a full account. "The manager there," he said, "is apt to take too much on himself. I gave him plainly to understand he must get authority from here instead of acting too much on his own."

"Yes," said the senior dryly. "So I gather. Here's a telegram from him."

The telegram ran: "Office on fire. Please wire instructions."

Two little boys were bragging about their fathers. Finally little Billy said, "Why, my father is an Eagle, Elk, a Moose and a Lion."

"Yeah," said his pal skeptically, "what does it cost to see him?"

## PERSONALS

Some of the mustaches sported by our co-workers are curious things. We have most types represented somewhere in the plant. A few are true mustaches while the others might better be called mistakes. Let us be charitable with these latter, however and assume that the wearers never look in a mirror. There is also the possibility that they are the result of losing a bet. If this is so, the owners have paid their bets in full and have learned their lessons.

The First Annual Outing of the G. R. Electrical Inspectors was held on Columbus Day at the young Fred Howland ranch in Bedford, Mass. The Wade and Henuset families attended; and everyone enjoyed the mammoth hot dog and hamburger barbecue.

L. B. Arguimbau becomes the 1939 G. R. Golf Champion by virtue of his win over E. H. Locke. Dan Hunt won the consolation flight after a close victory over Chet Newell. And finally, Warren Newell became the number one scapegoat by losing all his matches in the match-play handicap elimination.

Warren Webster and Horatio Lamson had quite a squabble in the Lab the other day. On Horatio's questionnaire the majority favored a caterer and home talent while Warren's favored a night club for the winter party. Both men claimed the other used coercion, or filled in all the check marks himself.

The report is that Dave Martin and Herman are still working on their telescopes.

Merrill Hobart wishes to thank the News for publishing that crack about his new car in the October issue. Marg let him drive it again just to disprove the article.

Carl Woodward sent his rifle to Winchester to have his new telescopic sight mounted. He wants to go hunting next week so he wants his rifle. He hopes that Winchester meets their promise dates better than our Service Department.

Clint says, "Any one who wishes to see his 'misplaced' must furnish their own microscope."

Announcement has been received of the birth of a daughter, Barbara Lou, to Mr. and Mrs. Frank Eastman. Mrs. Eastman will be remembered as the for-

mer Barbara Taylor, secretary to Mr. Richmond.

Although the article in last month's news regarding Dollars and Sense was very interesting and all that, it has created quite a disturbance among some of the boys. They want a transfer to the department in which there are two pays in the pay envelope!

With all due apologies to John Park and any other Maine worshippers, the National Park Arcadia was unintentionally omitted. This park is the only one situated on the seacoast.

A few nights ago, Ray Searle, the bowling flash, was in the groove, the left hand groove (gutter to you).

Bill Hart has been teaching Ray Searle some of the fine points of Ping Pong at his home in Lexington. Ray is doing fairly well according to Bill, but seems to be having difficulty hitting the ball. He hits the air and the table and everything within swatting distance but not the elusive ball. Good old patient Bill.

Ken Pratt gave us a fine treat by showing his books of the New York Fair pictures taken this summer. The pictures showed very good balance and careful planning of the subject matter.

To encourage contributions by our readers, we are offering a subscription to the News (delivered in the usual manner) for the best article accepted each month. The board of editors will be the judges and their decisions will be final.

Lincoln Hatch has joined the production office staff.

What "Scotchman" from Dept. W was introduced by the master of ceremonies of a Boston Night Club recently as 50 years old and direct from Scotland?

As we go to press the Morey twins have pertussis (whooping-cough). We hope they make a rapid recovery.

Ann Werner spent the week-end of Oct. 11 in New York and while there attended the World's Fair.

November is the month in which six girls in the office have birthdays. There will probably be the customary birthday celebration.

Renewing acquaintances around the plant recently were Jack Lamson and Ferd. Schaller. Jack is general manager of a large dairy farm in Conn. and Ferd.

is located with a prominent x-ray concern in Baltimore.

Ken. Pratt has a good detail picture of the new overpass on the Drive showing construction underway. Ken's hobby is taking snaps and has a very nice collection also of the New York World's Fair.

What is there to this rumor we have heard about a certain well known foreman on the first floor?

Anyone having an old furnace not in use please see Bid. Allen.

Paul Boucher, employed in the Inspection Department, was married October 12 to Miss Jeanette La Pointe of Manchester, N. H. They are making their home in Somerville.

Miss Margery MacMasters of our Commercial Department has returned to her duties after a sick leave of several weeks.

C. H. MacIntosh, who was recently operated on at the Baker Memorial Hospital, is now recuperating at his home. His many friends wish Mac a speedy recovery and hope to see him back with us soon.

### WAR NEWS

It is quite a coincidence that the first two warships of the Royal Navy to be sunk by the Germans should be connected with our Machine Shop. Fred Pettitt who served from 1914 till 1926 with the British Fleet was in action during the last war several times aboard the Courageous from 1916 to 1919.

After the surrender of the German High Seas Fleet, he was drafted to H. M. S. Royal Oak and after six months was sent to Persia but was captured by the Bolsheviks at Baku and was rewarded with eight months in a Russian "Cooler." Bill Blyth who left us to go to Cleveland also served aboard the Royal Oak with Fred.

Ask Fred if he wants any more war—but don't wait for the answer.

Husband: "Darling, what has happened? Why have you that plaster over your eye?"

Wife: "Plaster? That's my new hat."

### ADVERTISEMENT

Order now for the holiday season fancy assorted chocolates and hard candy. See Paul Lewis in the stock room.

### BUSINESS

The last three months have certainly shown a variety of business weather. First, we had August which was a record month for recent years, with new orders totaling \$131,700. In addition to September being a poor month, it was necessary to cancel \$15,000 of orders that had been written up during August. This cancellation was due solely to war conditions, and all cancellations were for foreign shipments. After these cancellations we only had a net of new orders booked of \$55,000, the swing between August and September being one of the most violent since the war days of 1918.

We have been very fortunate, however, during October, and have had several good breaks. Orders that had been pending for some time, including some foreign ones, were placed, and it looks as if the month would close with new business of about \$120,000. Should this materialize, it would give an average for the past three months of just over \$100,000, which with work on the Government contract takes our full capacity.

It was very comforting to have October show up so well, and gives considerable courage for the future. We must not lose sight, however, that war conditions are unstable conditions, and we must always be prepared for rapid changes.

H. H. Hollis had an interesting time recently while at the University of Pennsylvania to supervise the installation of a G. R. Frequency Standard. After locating a person who knew where the instruments were he found that the building was the one building of the new group of five which did not have an elevator. By proper procedure he was finally able to get two W. P. A. laborers to help him.

After carrying the instruments and cabinets up three flights of stairs a union representative appeared on the scene and informed "Jo-Jo" that the two laborers could not put in the screws which hold the instruments in the rack. That, it seems, was a carpenter's job and required a union carpenter. "Jo-Jo" could do no work of any kind as he did not have a union card. To get a union carpenter was a job in itself and wasted more time, but finally a carpenter arrived and pro-

ceeded to turn in the 120 odd panel screws.

The result of all this was that "Jo-Jo" spent three days at a job which normally would take a half a day.

The GRMBA held a meeting the other day to discuss the Winter Party. As usual there was not a quorum but by estimating the number in the buildings, those in the yard and the proxies, things went along in a good parliamentary manner. It's a good thing there are none of those sticklers for law in the GRMBA that are sometimes found haunting lodgerooms. If the attendance gets any smaller we'll have to give a door prize, souvenirs to the ladies, and run dish night to stimulate interest. Something is going to happen at one of those small meetings some night and those conspicuous by their absence will lose out. In fact at the last meeting a member made a motion that those present (10 or 11) go over town and have a practice party on the GRMBA. This was quickly seconded but, though he had a willing look in his eyes, Fred wouldn't put it to a vote.

Wanted when the entertainment committee calls: Actors, script writers, ideas, enthusiasm, cooperation and more enthusiasm for the best show ever given by the gang.

#### LIBRARY NOTES

A large number of the books in the library have now been supplied with pockets for charging-cards, and it will be wise for those taking out books to look before signing the old-fashioned slips. The new system is easier, since all one has to do is sign one's name and the date of taking the book on the already-typed card in the pocket, and put the card in the tall black box on the table. On returning the book, simply take the card from the box, put the date on it and replace it in the book. A few of the bound volumes of magazines have pockets and cards, but in the case of unbound magazines from the magazine-shelves, it will be necessary to fill out slips as before.

#### TILL THE DOCTOR COMES

SHOULD your clothing catch fire, don't run. Drop to the ground and roll

on the flames, first wrapping about you a rug, bedding, or heavy draperies if they are at hand. Water will not extinguish oil. Use wet blankets or earth. Smear burns, without blisters, generously with grease. But the severe burn should be covered only with a clean cloth which has been dipped in strong tea. Grease hinders further treatment. When a large area is burned (a fourth of the body) cut clothing away if necessary, and keep the patient in a consistently warm bath till the doctor comes.

THE HEAD of an unconscious person should be turned on the side so that his relaxed tongue will not obstruct breathing. Should he show signs of choking, hold his tongue in place by means of tweezers, spoon, fork, finger, pencil, or stick.

INCLUDE the medicine cabinet in your fall house cleaning. Discard old bottles of medicine. Some medicines lose strength and others become more concentrated. Dedicate a shelf to bandages, adhesive tape, gauze, iodine, boric acid crystals, soda bicarbonate, and aromatic spirits of ammonia. Include an ointment that contains tannic acid for burns.

A TEAKETTLE can be made to fill the bill when an inhalation is ordered. Make a megaphone out of wrapping paper. Insert the small end in the spout of the teakettle. Place your nose and mouth near the large end of the megaphone from which steam issues. Water should be boiling before medication is added. If tincture of benzoin is the medication, consider your teakettle sacrificed.

SHOCK can frequently be prevented by keeping a person warm after an injury. If hot-water bottles are not on hand use any jug or bottle that has a tight cork. Or heat a flatiron, brick, or common stone and wrap it up well. Another simple method is to erect a tent over the patient's bed. Use two bridge lamps for tent poles and a blanket for the tent. Lower lighted lamps close to patient's body. Exclude face from tent.

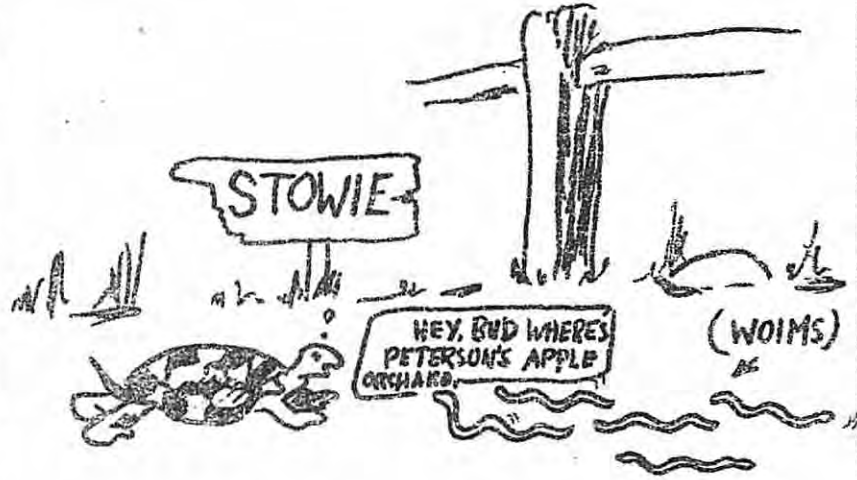
Good breeding demands of a gentleman that he never strike a lady without first removing his hat.

HI FELLER! HOW'S A-??

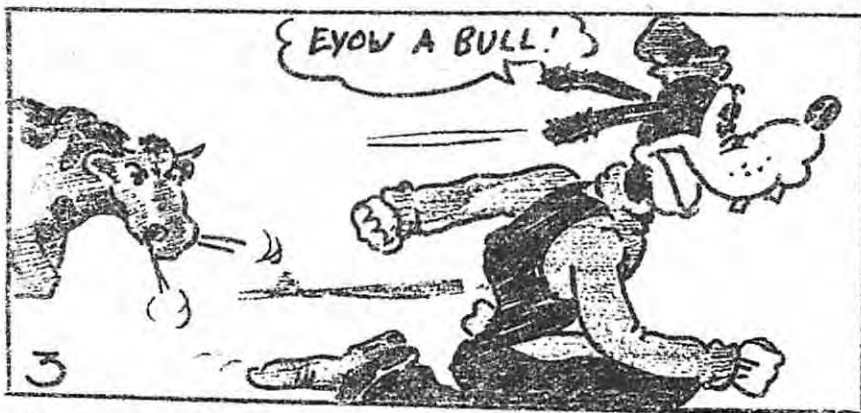
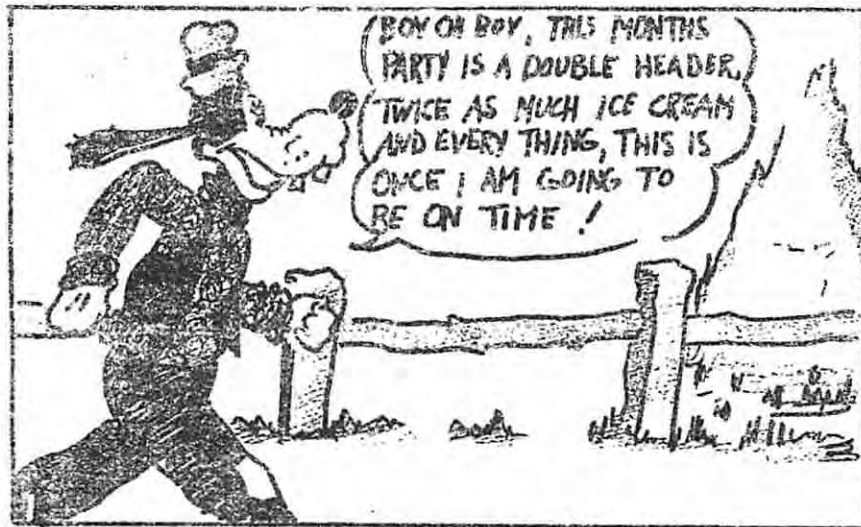
EYOW! LOOK OUT FER MY COLD INNOCULATION

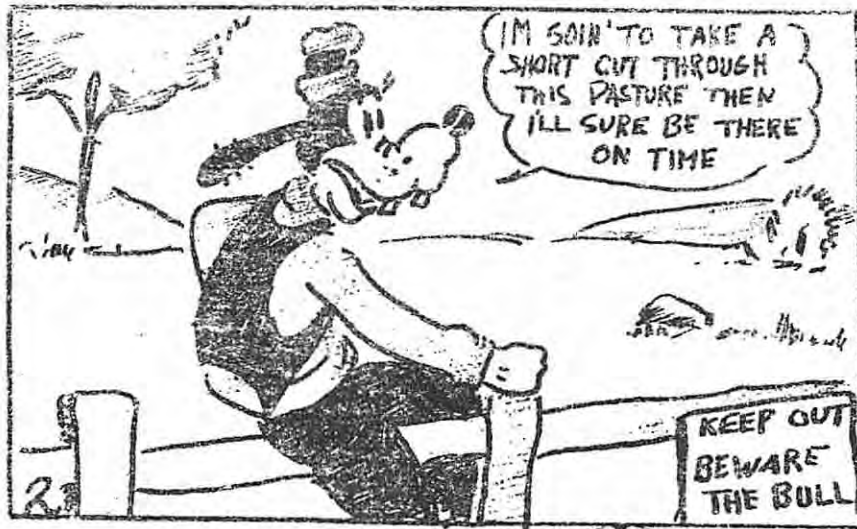


SUNBURNS IN THE SUMMER, INNOCULATIONS IN WINTER!

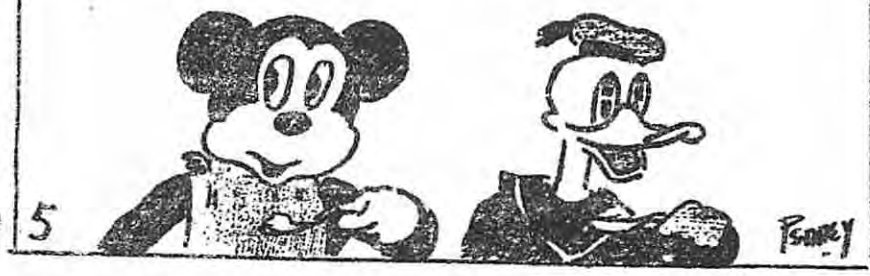


SO THE BOYS IN "W" ARE SELLING APPLES 1¢ EACH





WELL FELLERS AND GIRLS GOOFY MISSED OUT AGAIN —  
 AND NOW FOR BIRTHDAYS, — THE AUGUST BIRTHDAYS WERE  
 DAVID DAWES, BARBARA CORKUM, IRVING ANDERSON, NORMAN  
 MARTIN, JANET REGAN, WILLIAM REBAN, RONALD CORKUM,  
 BARBARA HANSON, DUNCAN MOFFET, LAWTON JOHNSON,  
 BILLY FISH, MARCIA NEWELL.  
 SEPTEMBER BIRTHDAYS — CHARLES GODDALL  
 MARJORIE POLLEY, VIRGINIA SANDBORG, NANCY GUILD  
 BARBARA HUNT, ELEANOR POLLEY, RICHARD WILLIAMS  
 PAUL McELROY, QUENTIN SEARLE, JOHN FLINT  
 WARREN GOVE, ELEANOR CAPRIULO, MARGARET CORKUM  
 PAUL SURETTE.



# BOWLINGS .



WONDER HOW THE MINIATURE IDEA OF BOWLING WOULD WORK ON REAL ALLEYS.'



MAYBE GREASE ON THAT STOP RUBBER WILL ELIMINATE THAT QUICK STOP.



YA OUGHT TO SEE JOE MARTIN DO THE FANDANGO WHEN HE HITS THE STOP MAT



# General Radio News

*Published by the employees of the General Radio Co., Cambridge, Mass.*

Vol. 2

DECEMBER, 1939

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## RED CROSS DONATIONS

The Red Cross received \$92.25 from GR employees in the annual roll-call just completed. The very pleasant, tactful and energetic solicitation by Miss Werner and Miss Ellinwood signed up more members than ever before.

This good showing was made in spite of some adverse "information" that was circulating, particularly regarding the salary of the president of the American Red Cross. It is true that his salary is \$75,000 per year, but it is paid by the taxpayers, since the president of the Red Cross is Franklin D. Roosevelt. It is not publicly known what the income of Norman Davis and other top men in the organization amounts to, but the Red Cross pays them \$1 per year.

You may be interested to know that 50c of each membership goes to national headquarters for use in disasters wherever they occur. The balance, including all contributions, stays in the local community. Miss Watkins of the Cambridge chapter, 42 Brattle Street, invited us to drop in at any time to learn what they do with their time and money.

Since the Red Cross operates under a charter from Congress, a complete accounting and report is made each year to Congress, which report is, of course, publicly available.

## CREDIT UNION REPORT

The annual meeting of the G. R. Credit Union was held November 21st and for the edification of those who failed to attend a general outline of the last six months' business follows.

Altho the dividend rate for the last six months was 1% lower than the 4½% declared in May the inference is erroneous in that the normal income for the two periods was almost the same. Net income was \$597. against \$712. for the preceding 6 months, which included \$123. received from the Everett Co-operative Bank when 10 shares held by us matured last November.

Expenses for the period totaled \$33. including premiums of \$8.00. for burg-

lary insurance and \$22.50 for the Treasurer's bond.

As anticipated last Spring dividend rates of most Co-operative Banks have been reduced ½% thereby affecting our largest source of income. We invested \$1800. during the Summer in Co-operative Bank shares and deposited \$2000. in Savings Banks which partly replaced the \$3500. withdrawn from savings accounts a year and a half ago. Co-operative bank dividends totaled \$268. and Savings Bank interest added \$55. to our income. Fines totaled \$2.04 or \$.59 less than last period.

Share accounts increased over \$5000. during the past 6 months to a new high of \$33,700. making our total assets \$35,400. Personal loan balances have increased a little over \$300. to \$6700.

The dividend rate of 3½% took \$522.78 of our net income while the last dividend payment of 4½% took \$577.80. An average dividend rate for the year of 4% indicates that our activities are yielding an enviable return.

There is no guarantee that a continuance of this high dividend rate will be possible and while we are naturally optimistic all indications are that future payments may be less due to the fact that loans will not increase in ratio with our share accounts. However, the primary purpose of Credit Unions is to help those who find it necessary to borrow money and not to set up an investment field that will yield high returns and so no one should be too greatly concerned at a slightly reduced dividend so long as we don't reduce the service we may extend to our members as a whole.

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A farmer boy and his best girl were seated in a buggy one evening in town, watching the people pass. Nearby was a popcorn vender's stand.

Presently the lady remarked, "My! that popcorn smells good."

"That's right," said the gallant. "I'll drive up a little closer so you can smell it better."

**What's in a Name:**

To HUNT a BOUSQUET of BATCH-ELDER buttons, a man without a PENNY WADES in the PARK. Out all night ROHMAN, a MUSGRAVE offence, not WORTHEN the trouble; when he got HOLM the LOCKE was set. His wife putting the LEIGHTON said: HOWLAND here, UHLENDORF in the river." To HATCH a PETTITT and CORKUM excuse, he said "I SHERWOOD seem GROSS to RITCEY you." She tries to LANZA SHARPE blow but he TURNER around and PARLEE it. She CHASEd him to the FIELD saying: "I SHAW WOOD have you HUNT over HILL and dale at my BECK and CROWE rather than here doing a FAVRE keeping the WOLFRUM the door. W. H. Fish.

**PERSONALS**

We are looking forward to seeing Mac with us within a week or two.

Our best wishes go to Harold Erb, who was recently injured in an automobile accident. His address for the present is the Central Hospital, Somerville, where visiting hours are 2-4 and 7-8 daily.

Be discreet about your conversations when Bob. La Porte is within "earring" distance. He is the new G. R. News Reporter replacing J. Johnson, who has ably supported the staff for the past year.

Carl Woodward returned safely from his hunting trip. He hopes to get a chance to try out his new rifle on a deer next year.

Ray Searle is still taking ping pong lessons from Bill Hart.

Herman Ausin's new Buick is a beautiful sight. It runs, too!

Bill Hart is still collecting wall paper sample books.

In spite of the item in the October News, we do seem to be seeing a good deal of Argy lately. In fact we're practically having an epidemic of him. The M. I. T. dignity—if any—doesn't seem to be catching.

Sh!! Randall Alexander and Clint. Carlisle are housekeeping.

Department W is still running the same old arguments.

We saw our own happy expressions mirrored in the faces of our fellow employees on November first.

Several of the boys and girls seem to have acquired new or newer cars of late.

We welcome two new Northeastern Co-Op students to G. R., J. R. Whitford, sophomore, and Edwin J. Parssineu, middle.

The new member of our Standardizing Laboratory Staff is Robert J. Ruplenas, Lowell Institute '39. He comes to us after 4½ years with Northern Industrial Chemical Company.

We see that a new attempt is being made to ventilate the Doctor's office or something.

What well known G. R. bowler thinks that the pins are parked on the chandeliers?

Here's one!

$$1 \nmid 1 + 1 = 5$$

Solution: 1 red light plus 1 traffic cop plus 1 judge = \$5.00.

For proof ask Louis Zolot.

**NOVEMBER SHOWERS**

The response to the suggestion that a miscellaneous shower be given Arthur Edgcomb was so overwhelming that it exceeded our most optimistic expectations. A total of 55 gifts was received that included books, shirts, puzzles, games, toilet articles and others of every description.

If Arthur receives half as much enjoyment from opening them as we did in planning what to get him, the next month will be anything but a dreary one for him.

To those who gave so much of their time to managing the shower and to wrapping the packages attractively we all give our thanks.

It's a lot of fun making someone else happy, isn't it?

**LETTERS OF THE MONTH!**

Dear Sir:

Just a question as to the operation of the Type 200 CM Variac dimmer which we purchased. When connected to our equipment we got the following results. With the toggle switch at "OFF" it dimmed our equipment beautifully from full out at 130, to full on at 0. But when the toggle switch was at "ON" we found the lights, which were full on, would not dim out. Is this the regular way for this dimmer to work? Is there

a way to switch the dimmer off and have the lights out, instead of on? Is it some accident of our setup that would do that to the Variac?

But despite this problem we do like the way it dims out the lights. We marvelled at the control we had over the setup. We hope that in the near future we can install a much more complete setup of your Variacs. If we can't install an entire system at once, we will gradually add to what we are forced to use now, from time to time.

About a week later we received this letter:

In reply to your letter of November 10, we have discovered the fault of our wiring system that disrupted the action of the Variac dimmer. We are now getting perfect results.

We have also received your replacement Variac dimmer and have decided to keep it. I, therefore, enclose a check for \$17.50 to pay for it.

### THE DESIGNERS

(Sad Song from the Industrial Front)  
The designer bent across his board,  
Wonderful things in his head were  
stored,  
And he said as he rubbed his throbbing  
bean,  
"How can I make this thing tough to  
machine?"

If this part here were only straight  
I'm sure the thing would work first rate.  
But 't would be so easy to turn and bore  
It never would make the machinists sore.  
I better put in a right angle there  
Then watch those babies tear their cap,  
Way down in here where they're hard to  
tap.

Now this piece won't work, I'll bet a  
buck,

But it can't be held in a shoe or chuck.  
It can't be drilled or it can't be ground,  
In fact the design is exceedingly sound.  
He looked again and cried: "At last—  
Success is mine; it can't even be cast."

"Miss Epsom," said the colored parson  
impressively, as he led her into the brook  
for baptism, "I'se gwine lead you out  
inter dis heah stream, an' wash out every  
spot of sin yo'se got."

"Lawsey, Parson," giggled the erst-  
while frolicsome damsel. "In that li'l  
ole shallow creek?"

### BUSINESS

October captured the prize for new business with a total of \$146,246, of which \$62,107 was foreign. This was the largest amount of foreign business since February, 1937, which month included a very large order from Russia. It was again a large order for Russia that gave October the boost, and it accounted for about one-third of the foreign business for the month. Another large and unusual order came from Holland. The other foreign business was below normal. Domestic business was good, and it has shown an upward trend ever since last spring.

November promises to be another good month. With the figures for five business days still to be added, the total for new orders has already reached \$96,900.

### STABILIZED EMPLOYMENT

Stabilized employment is difficult to maintain when business fluctuates as much as ours does. If people are hired promptly during every busy period, somebody will have to be let go or we all go on short time as soon as business slackens up a little.

Since it seems better for all concerned to smooth out the ups and downs without making too many temporary increases in our organization, every possible improvement in planning and distribution of work must be put into effect when we are busy. It also goes without saying that the willingness shown throughout the company to pitch in and help someone who is temporarily snowed under is of real value to us all.

The following is taken from a table prepared by Babson's Reports Inc.:

#### *"Wages Now Being Paid in a Large Chinese Factory Making Electrical Machinery"*

Position	Daily Wage in Equivalent in	
	Chinese \$	U. S. Currency
Assistant Foreman	\$2.40	20 cents a day
Machinist	1.44	12 cents a day
Die Maker	2.00	16 cents a day
Plater	1.60	13 cents a day
Assembly Man	.64	5 cents a day
Coolie	1.20	10 cents a day
Electrician	1.92	16 cents a day

We would like to call this to the attention of Bill Fish and his gang.

### SERVICE

From time to time members of various departments have inquired concerning the procedure involved in the handling of complaints, especially from customers and agents abroad or at great distances from the factory. When an instrument is not returned, it is sometimes rather difficult to restore it to its original electrical and operating condition by sending information and replacement parts, if necessary.

In the Service Department there are various files, the most important of which is one containing as complete information as is available for all General Radio instruments, many of which are now obsolete. Each folder contains wiring diagrams, instruction books, design changes, testing specifications, advertising matter and reprints, engineering information, data from departments and information that has been collected from customers' letters, repair of instruments and from the laboratory.

When a complaint is received, the folder for the instrument is immediately taken from the files and all the information is gone over in an effort to learn whether or not a similar complaint has ever been received and satisfactorily adjusted. If not, then considerable time must be spent in determining what may be causing the difficulty and a remedy found. Unfortunately, in many cases insufficient information is sent us and pending the receipt of further data we will advise a procedure that should be followed in localizing the difficulty and remedies that might apply.

To save time in handling complaints by correspondence, the Service Department publishes Service Notes every two months, sending copies to all our agents and to customers who may be having difficulties with equipment, for which the Notes contain the corrective information. These Service Notes are compiled from the information data that have collected in the instrument folders. While the Service Notes represent a certain investment of time and money, it has been proved many times that they are a saving to both the company and the customer in the prompt and efficient adjustment of complaints.

Another important file that is used almost as much as the instrument file is

that containing serial number records. When an instrument is shipped, a record is made of the type and serial numbers, date of shipment, customer's name, and associated equipment. If a complaint is received, the serial number record is checked to determine the shipping date and whether any previous complaints have been received. Attached to the serial number slip is a record of all complaints, replacements, and repairs. This history is very useful in determining repair charges, adjustments, and servicing dates.

The other files in the Service Department enable us to determine immediately the prices of replacement parts, service instruments that are available for loan, inventory of Service stock of obsolete parts, instrument record by customers, repair charges by type numbers, record of repairs in the shop, record of defective parts or workmanship by type numbers, and service adjustments, charge or no-charge, from 1934 to date. One can realize the importance of these many files, especially when a customer is telephoning from a distant point requesting immediate service on a defective instrument.

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Luke Packard recently returned from a two week sales trip which included Rochester, Cleveland, Detroit, Buffalo and Dayton.

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No wonder the heart gets tired and quits; 37 million beats per year and 2.4 billion in 65 years. It is hard to believe but the complete circulation of the blood—to the lungs and back, and then through the body and back—takes not over 30 seconds.

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Harold had taken his girl to lunch and she had spoken to a nice looking man at the next table. "Is that man a friend of yours?" asked Harold.

"Yes," she replied.

"Well, why don't we ask him to join us?"

"Oh, Harold this is so sudden," cooed the girl.

"What's so sudden?"

"Why—why—he's our minister!"

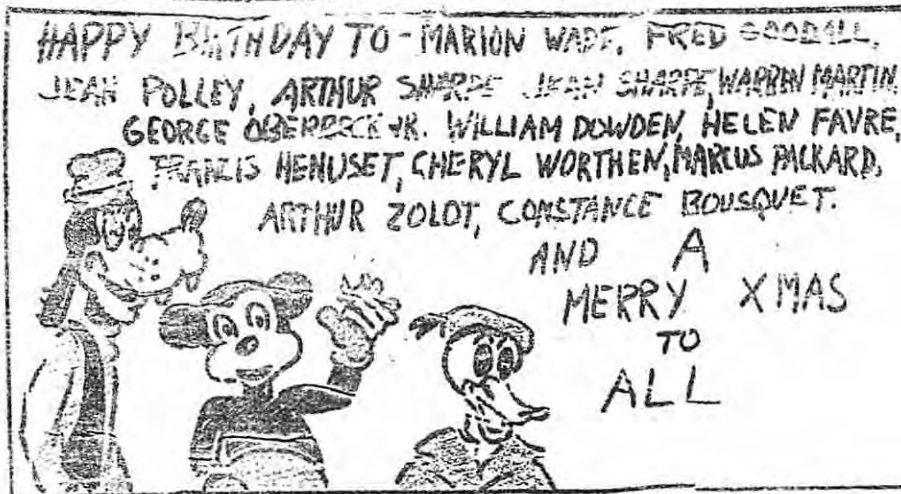


As the Book is closed on another  
Year

We wish you Merry Christmas and  
loads of Good Cheer.

The News Staff.



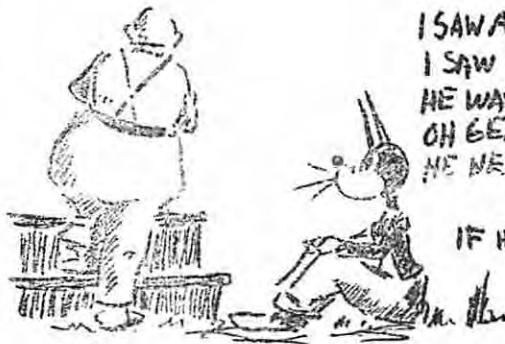




TRIPLE TIE FOR FIRST PLACE  
TEAMS F D + A



DID ANYONE NOTICE IF HE  
CAUGHT THE BALL WHEN  
IT CAME DOWN?



I SAW A MAN UPON THE STAIR,  
I SAW HIM AND HE WASN'T THERE.  
HE WASN'T THERE AGAIN TO-DAY  
OH BEE! I WISH HE'D GO AWAY,  
HE WEARS SUSPENDERS, -SOMETIMES  
A BELT.

IF HE WERE A MINK - BOY WHAT  
A PELT!

FEENEY



# General Radio News

*Published by the employees of the General Radio Co., Cambridge, Mass.*

Vol. 2

JANUARY, 1940

No. 3

## WINTER PARTY

Altho' we can't guarantee snow this season in sufficient quantity to satisfy everyone we can guarantee an evening of sufficient enjoyment to satisfy all who attend the Winter Party Saturday evening, February 3rd, 1940 at the George Brown Hall, 294 Huntington Avenue, Boston. This is the same place at which the last Winter Party was held.

The dinner, which will be catered by Thomas Smith of Swampscott, will be served at 6:00 P. M. and, of course, promptness and an appetite are equally essential. A copy of the menu will be posted later.

After dinner we shall retire to the auditorium where at 8 o'clock, plus or minus the usual 15 minutes, the curtains will part to reveal a presentation of Gilbert and Sullivan's "Trial by Jury" by our own group. The other theatres in Boston and vicinity are planning to show that evening as usual.

Any amateur group ambitious enough to present a Gilbert and Sullivan deserves and should receive much praise and encouragement. This applies to the instrumental as well as the vocal renditions both of which will be offered by the employees. The few rehearsals which have been held to date promise no mean performance and we look forward to something special.

Those who have not had the opportunity and still wish to take part in the entertainment will find a suitable spot in the chorus. If you sing like Bing Crosby or Kenny Baker or if you like to sing loud you're just what we want so limber up the tonsils and courage and come to the next rehearsal where you will be welcome.

The new fluorescent lights which have been installed in several departments not only give better light but are more economical to operate. These units supply a splendid illumination at a cost of 2.5 cents per day. The old lights supplied less than half the illumination at a cost of 3.8 cents per day.

## READING MATTER

Because its contents may be of interest to members a copy of the "Pioneer", a magazine published each month by the Credit Union League of Mass., will be placed in the Library. Its pages are devoted to articles relative to credit union activities throughout the state as well as questions and answers on technical problems which should prove interesting as well as educational.

Recently added to the books in the library have been S. Grant Duff's "Europe and the Czechs," published in 1938, and given by Claude Lyons in October, 1938; Edgerton and Killian's "Flash"; the seventeenth edition (1939) of the "Radio Amateur's Handbook"; and the United States Tariff Commission Report on "Synthetic Resins and their Raw Materials." These books will have a varying appeal to different members of the company, but all are available for charging out in the usual way.

Have you ever looked through the pile of book-announcements in the tray on the table?

Have you noticed the adult education announcements, university extension announcements, etc., usually posted on the bulletin board or placed on the table? These things may contain the course you are interested in.

A candidate for the police force was being verbally examined.

"If you were by yourself in a police car and were pursued by a desperate gang of criminals in another car doing forty miles an hour along a lonely road, what would you do?"

The candidate looked puzzled for a moment. Then he replied, "Fifty."

"How did you make your neighbor keep his hens in his own yard?"

"One night I hid half a dozen eggs under a bush in my garden, and next day I let him see me gather them. I wasn't bothered after that."

## PERSONALS

The address lists posted on the various bulletin boards were a great help. In spite of this, only one of our greeting cards, from shop friends, was addressed correctly.

We certainly received a wonderful surprise on the Thursday before Christmas. Those checks were beautiful things. There were no leaks, since no one in the plant had the slightest suspicion of what was going to happen. Each face we saw was bisected by a broad grin for hours after the presentation. One of the boys said he wished he hadn't bothered with high school so he would have been here four more years! Another chap said the C. I. O. ought to hear about this. No one wondered what his friends got—since it is all in the little blue book. We understand that the Credit Union lost some business.

Dr. Roy E. Mabrey sailed from New York Saturday, December 23rd, for Havana on the Nieuw Amsterdam. He will return following the New Year holiday.

Now that Harold Corkum has been transferred to Murray's department, Daniel Campbell is taking his place sweeping on the top floor.

Ralph Jennings has been on our sick list this month and as we go to press is at the Baker Memorial Hospital. We hope to see him back with us soon.

We are hearing good reports from Harold Erb though he is still confined to the Central Hospital, Somerville. He has certainly enjoyed the many visits from the men here.

If you don't know the story this won't interest you. Hats off to the Nova Scotian College!

Have you seen George Bickell's new model locomotive? It certainly is a beaut. A few more years work and it will be completed. We wonder if his wife misses him.

We see by the papers that Argy's influence is being felt at M.I.T.—Earl Browder spoke to a group of students.

This is the season when people get stuck up—from the glue on greeting card envelopes and stamps.

The newest member of our Standardizing Laboratory staff is Paul Litchfield. He lives in Brockton and is attending Lowell Institute.

Russ Hatch won the Christmas turkey with a pinfall of 339. With a handicap of 26, this gave him 365 to nose out Fred Stierli who had a total of 357.

Louis Zolot absent-mindedly left his car unlocked the other night when he visited a hospital. The following morning when driving to work he found a lady's handbag in the car. A perusal of the contents revealed the lady's name. When Louis returned the handbag he was in turn handed a reward. It seems the lady had mistaken the car for her own and when she found her mistake was so excited and in a hurry to get out that she left her handbag.

Louis really believes in a Santa Claus now.

Jack Morey, Jim Higginbotham and George Surette attended a meeting of the Fellsway Radio Club and the Q.T.S Club Dec. 12 at George Bailey's house, vice president of the Radio Relay League.

Herman Scott of the G. R. engineering staff was a guest speaker and gave a talk the 760 Noise Analyzer which was very interesting to all, and brought forth many questions.

Glenn Browning gave a talk on Frequency Modulation Receivers and Prof. Gager of B. C. enlightened the group on selective earphones.

Thursday Dec. 21, 1939 Jerry McLellan was heard to say, with his best Scotch burr, "If Mr. Locke is going to do this again 25 years from now, I'll be here."

Anyone wishing to visit Paul Penny, our staff artist, from now on will find him in Dept. A, and speaking of transfers, Henry Christie has taken a step nearer to Mr. Eastham's office, namely, experimental dept.

Dear Friends:

As a grand finale to a very enjoyable week-end, we bathed our dog Christmas night in self defense. He had royally entertained little Johnnie Skunk under our back porch. The encounter did little good to either animal, since the skunk was somewhat chawed and Big Boy was slightly asphixiated (so were we). Contrary to the general conception we did not have

to bury the dog for ten days—the bath removed the aroma.

We don't see how we are going to put the porch into the tub, so we'll probably have to burn that.

We hope you all had as pleasant a Christmas as we did.

Happy New Year.

Mary and Dud Chute.

"Dud" says "When dunking dogs in this condition, smoke an ancient pipe loaded with strong tobacco and you won't smell the skunk—much!"

Bill Fish—please note one benefit of tobacco.

And now a few of the New Year's resolutions of some of the boys are in order.

John Clayton resolves not to call Mitchell on the phone unless it is business of some kind.

Bill Fish is not going to begin every explanation with the preamble, "Now here's the story".

Louis Zolot will refrain from singing that delightful Indian War ditty of his.

Joe Lanza promises to be more generous with his newspaper this year.

Charlie Guild promises to say less about how he would do it during 1940.

We expect to be "on the level in any business transaction this year." (Signed) The Petersens.

No more loud talking—Bill Marvin.

Most of the engineering will be completed before production, we promise. The engineers.

No more trying to redesign the stuff—Assembly, Dept. A.

Bigger and better stories, I promise, McElroy.

"My golf scores will be accurate", pledges Chet Newell. "If the count is 16 for a hole I'll even add the two together  $1 + 6 = 7$ ".

Dept. A resolves to make better instruments during 1940, providing drafting and the stock room cooperates.

We'll not let the cobwebs and dust cover the parts in the inspection room this year—everything moves quickly—Bill Lewis.

Bickell resolves to answer the season's greetings with something other than "Bah! hum bug!"

The Lab resolves to meet due dates— if the instruments come from Dept. A,

and the engineering is completed, soon enough.

## BUSINESS

The bloom seems to have passed off of the flurry of the past two months, but, nevertheless, orders have continued to come in at a satisfactory rate. For the first two-thirds of December new orders were \$68,300, which would indicate about \$100,000 for the full month. This compares with \$146,994 and \$121,384 for October and November respectively.

In any event, the total for the year has been most satisfactory, we start the new year with a modest backlog of orders, and at least no one can censor us here for shouting loudly "Happy and Prosperous New Year."

The movie stars are in receipt of a chain letter from the Reno Prosperity Club, differing from most chain letters, because it has a giggle in it. It reads: "Drop the top name on the list of six names below, and add your name to the bottom. Send a copy of this letter to five men friends; then bundle up your wife and send her to the person whose name heads the list. When your name works to the top, you will receive 15,175 wives. Do not break this chain." . . . It's a 3 to 1 bet that 15,175 wives will break the guy who doesn't break the chain.

## INTERESTING FACTS

It would take a half ton of candles to produce the amount of light used monthly by the average American family. A half ton of candles would cost \$346.65. The average electric light bill for one family averages \$2.50 a month.

Patents were first granted by the ancient Greeks, who encouraged chefs to invent appetizing new dishes.

Oil can be powdered. Hydrogenated oils are being powdered as fine as sugar; many are odorless, tasteless, and do not spoil.

According to the U. S. Chamber of Commerce, the average number of employees in all U. S. factories is only 42, seven more than 25 years ago.

The last woman city mail carrier in the United States quit her job at Anaconda, Mont., last summer. She became a letter carrier in 1918, trudging an eleven-mile route every day she worked, trav-

eled about 65,000 miles, and carried 283 tons of mail. Postal regulations now prohibit women from working as city mail carriers.

"Watt" signifying electrical power unit was named for James Watt, Scotch engineer, who never made an electrical discovery in his life.

Glass can be made more transparent by plating it with thin films of chemicals.

It is estimated that taxes amount to \$360 a year per family, or about \$30 a month.

Facts are our scarcest raw material. This is shown by the economy with which we use them. One has to dig deep for them because they are as difficult to get as they are precious to have.

The secret of being tiresome is to tell everything.

A Communist is one who believes in the equal sharing of unequal earnings.

An expert economist is a man who knows all about finance and politics, but gets himself in a hopeless mess trying to untangle a twisted telephone cord.

Late News Flash—Martin Gilman is the latest G. R. employee who is soon to become a benedict. The engagement of Miss Mildred Hermine Halfmann to Martin A. Gilman was announced last week at a dinner given by Mr. and Mrs. Halfmann at their home in New York City.

Gus Anderson seems to be having troubles with his new car. Two days after he had it the door lock stuck, requiring the aid of the police to break one of the small side windows to get inside. Later on Gus got tangled up with another driver with a resulting crumpled rear mud guard.

One Guy: "Did you mark that place where the fishing was so good?"

Guy Two: "Yes, I put an X on the side of the boat."

First Guy: "That's silly. What if we should get another boat?"

The grocer's daughter went to a masquerade ball and met her father there.

"Hullo, Dad," she said, "How do you like my costume? I'm a salad."

"It's nice, my dear," replied her father. "But haven't you forgotten the dressing?"

## G. R. HISTORY

The editors of the News would like to write a history of the General Radio Company and print a portion of this history every month. We can obtain much data from the company records but sidelights on various employees and executives would have to come from you therefore, will everyone who remembers an interesting or humorous incident about the company or any member, past or present, please give this information to anyone on the News staff. i.e. remember the doughnut factory at the corner?

Herwy Dowden, having bought his own Christmas present, a complete ski outfit, says he doesn't think there is much to the art, and is going to show the boys how it is done.

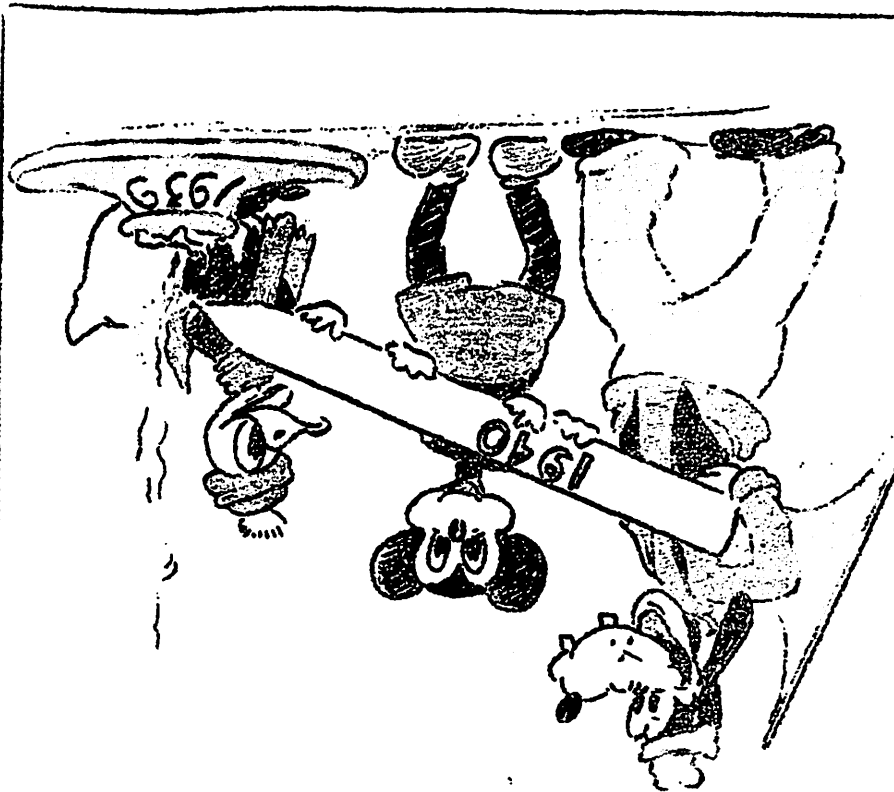
Just a reminder—So far the weather man has been very good to those interested in the parking situation, but we can't hope for this ideal weather much longer. So please, when we do have snow making parking more of a problem, endeavor to park with some thought of your fellow workers.

Recently Bill Fish was talking to Harry Chute, who in pausing to speak to Bill failed to shut off an electric drill that he had been using. In some unaccountable manner the drill caught in Harry's shirt and proceeded to twist and bore in the customary way. Quick action by Bill in tearing the drill from Harry's hands may have saved the company the loss of a 10-32 insert to fill a hole in Harry's chest.

It is very encouraging to attend any of the rehearsals for the coming big show and note the enthusiasm of those taking part. They are doing a fine job under the able and helpful direction of Ruth Crowe.

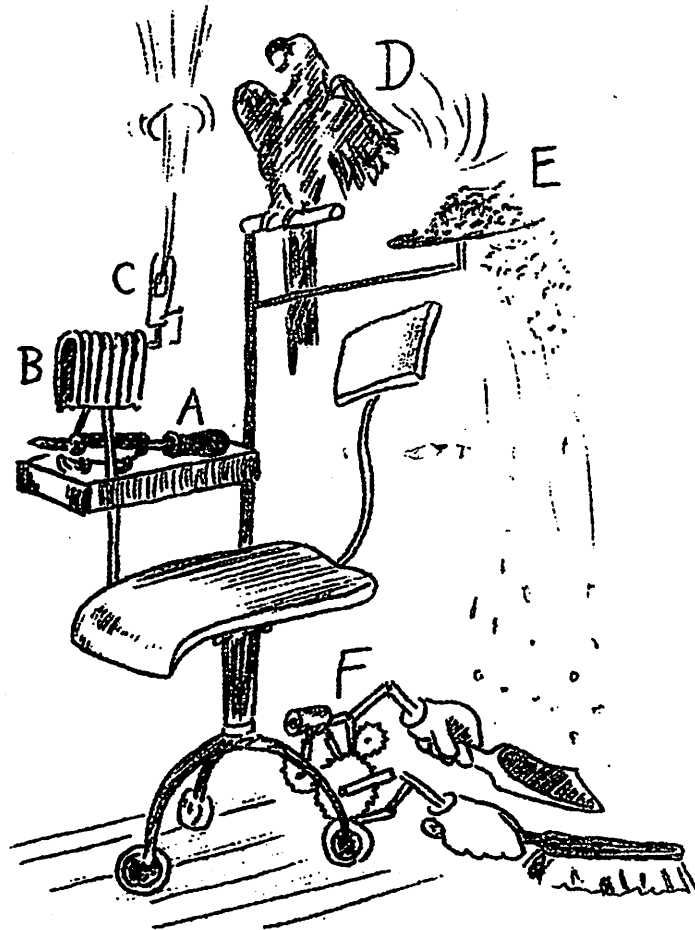
Opportunity—Anyone desiring to swap unwanted Christmas presents, get in touch with Dud Chute at the G. R. Trading Post.

This and other mediocre items are your own fault. If more people would contribute we wouldn't have to print such drivel.



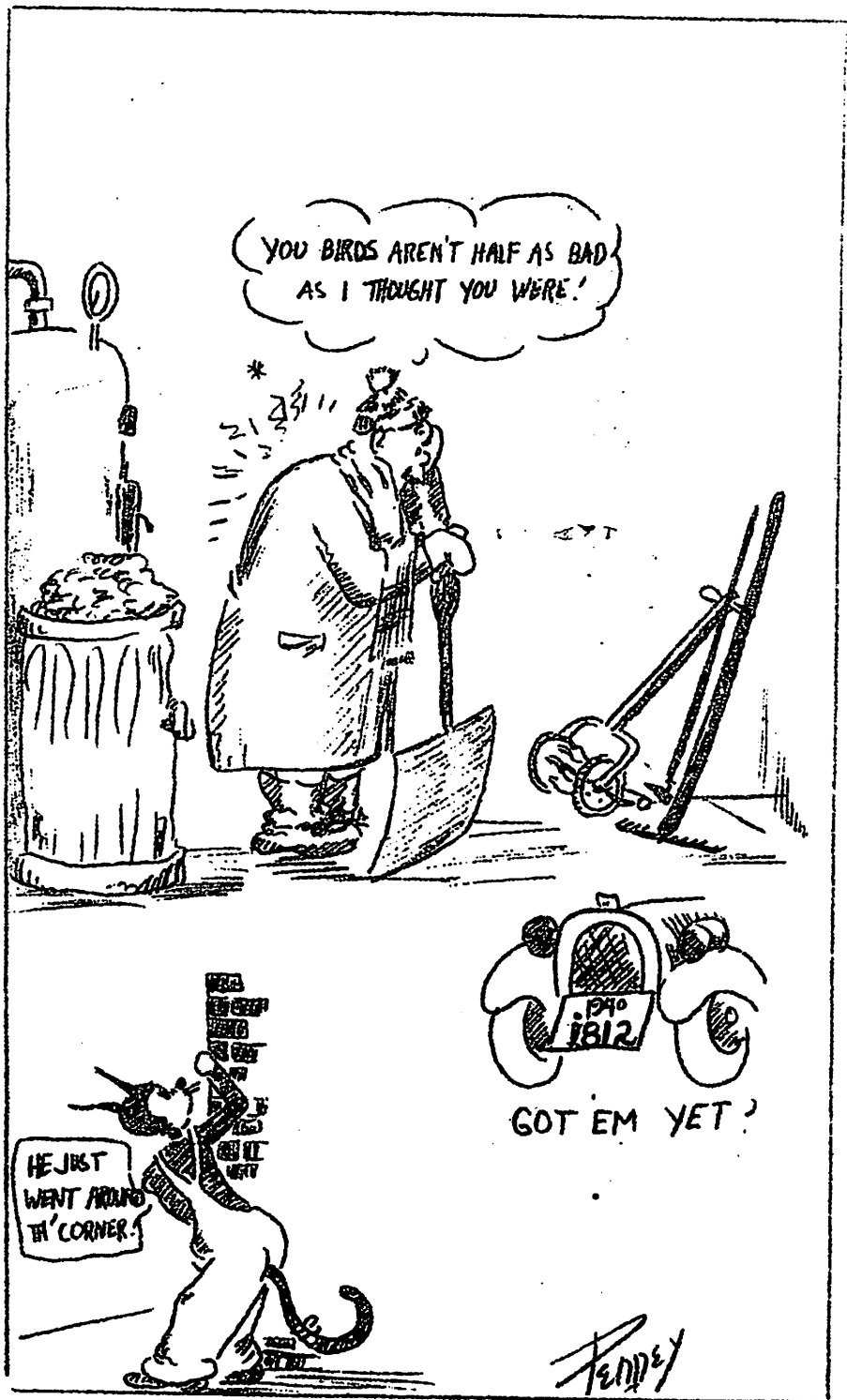
# HAPPY NEW-YEAR

JANUARY BIRTHDAYS - DONALD MARTIN,  
 DAVID MARTIN, MARLENE CONKIE, JANE CAREY,  
 JERRY COMERFORD, BARBARA POLLEY, HAROLD BECK,  
 HAROLD HOKANSON JR., RICHARD OBERBECK,  
 ROBERT LEIGHTON. - TO ALL A HAPPY BIRTHDAY  
 AND TO ALL OUR READERS A VERY VERY



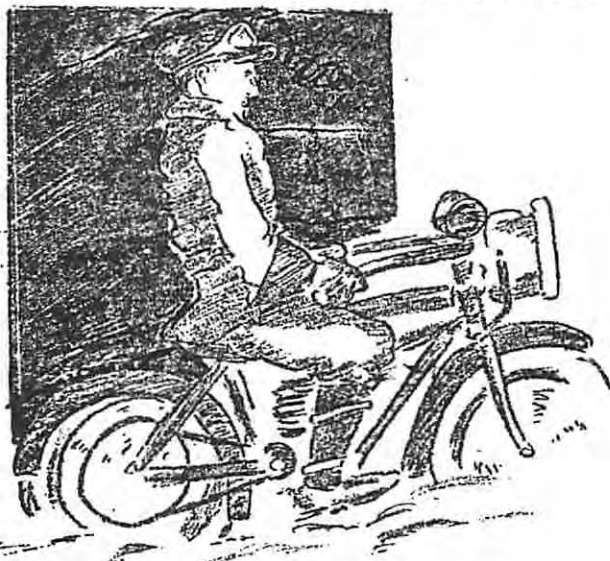
**EUREKA!**

AN INVENTION FOR DEPT. A. - POWER LOST WHILE  
 WHEELING AROUND MAY BE USED THUSLY - SOLDERING  
 IRON (A) HEATS RADIATOR (B) WHICH POPS OFF BY  
 BLOWING WHISTLE (C) FRIGHTENS PARROT (D) WHOSE FLUTTERING  
 WINGS SCATTER SAWDUST (E) WHILE MECHANICAL HOOK UP  
 (F) SWEEPS FLOOR. (IF PARROT UNAVAILABLE USE  
 LITTLE MUTAT.)



# Believe It Or Not :: By You

SO LET'S HEAR FROM YOU.



OUR FIRST  
**SUPT.** A ZWICKER -

RODE TO AN' FROM WORK ON A 'CYCLE' WITH LEATHER  
LEGGINS AN' EVERYTHING. /



FOUND THE C.R.  
BUILDING YET?

YEA, WERE RIGHT  
OVER BUILDING  
FI

THE  
**G.B. BUILDINGS**

ARE ON THE SITE OF THE ORIGINAL BACK BAY.

THANK TO BILL FISH.



# General Radio News

*Published by the employees of the General Radio Co., Cambridge, Mass.*

Vol. 2

FEBRUARY, 1940

No. 4

## GENERAL RADIO MUTUAL BENEFIT ASSOCIATION

At the Annual Meeting of the G. R. M. B. A. held on January 3, 1940, the following officers were elected for this year:

President: R. E. LaPorte  
Vice President: C. A. Batchelder  
Secretary: Elinor Clapp  
Treasurer: Anne Werner  
Assistant Treasurer: F. L. Tucker  
Directors: Warren Newell  
          C. Whitehead  
          James Lundgren  
Investigating Committee:  
          W. H. Sherwood  
          W. H. Fish  
          Frances Ellinwood

## COMMUNITY FUND

The early returns indicate that we are again going to hold up our end of the Campaign.

General Radio is in the Radio Manufacturers Group, which is part of the Automotive Division, which in turn is part of Industry & Finance. Although the money all goes into the same fund, there is considerable rivalry between the various groups, and in an attempt to get good coverage a great many people are solicited at both home and at work.

Since everybody here is pretty busy we are trying to do our part of the Campaign with a minimum of follow-up work. It would be appreciated, therefore, if the pledge cards would be turned in as soon as possible, whether or not you want to pay your pledge immediately. Even if you do not want to contribute anything through the company, it would help if you would leave the pledge card, blank if you prefer, with one of the following committee members:

Paul Hanson	Janet Cole
Frances Ellinwood	Bill Fish
Charles Riemer	Everett Page
Anne Werner	Dave Martin
Austin Corkum	Elizabeth Mitchell

If you have already made a pledge, thank you.

## SOCIAL SECURITY

Under the provisions of the Social Security Act and the Massachusetts Unemployment Compensation Law, payments have now been made into the Unemployment Fund for four full years. During this period the company has contributed \$50,480.59 and the employees \$5,302.50, or a total of \$55,783.09. Although exact figures are not available, a maximum estimate of the amount allowed as benefits to our former employees is \$600. The law has recently been amended to reduce unemployment contributions, particularly for companies able to stabilize employment.

Old Age contributions have been made by both the company and employees in equal amounts for three years, for a total of \$24,811.99, of which to date only about \$200 has been returned as benefits. It should be remembered, of course, that a credit is being built up for each individual contributor to the fund, to be used in the payment of death or retirement benefits later.

## ESPIONAGE

Recently you may have seen a notice posted on the bulletin boards concerning the secrecy of Government contracts and about the Espionage Act. In order to keep confidential as many details as possible concerning the National defense, Congress passed an Act in 1917 making it a felony for any one to disclose information which might in some way be injurious to the United States or of assistance to a foreign power. In times of general peace there is little incentive for foreign Governments to find out what their neighbors are doing in the way of National defense, but in times of general unrest the plans of other countries may become very valuable. Although the United States is not now at war and in all probability will not be, its military activities are nevertheless of considerable interest to foreign Governments. Consequently, the Government is taking steps to keep to itself those activities having to do with the

National defense. Some of the equipment which we have manufactured in the past and are now making is directly connected with the National defense and, therefore, comes under the provisions of the Espionage Act. The Act itself is long and is written in the usual legal jargon. In condensed and more easily understandable form its provisions are these:

a) Anyone is guilty of violating the law who enters upon Government property or who goes into a factory where war materials are being made with the deliberate intent of gaining information which would be useful to a foreign Government or harmful to the United States.

b) Anyone who deliberately sets about to disclose to a foreign Government or to one of its representatives military information with the idea that this information might be helpful to the foreign nation is guilty of violation.

There are several other sections to the Act relating to conspiracies to violate the law, the harboring or concealing of violators; and other legal provisions concerning the jurisdiction of court-martials, military commissions, and the definition of a foreign Government, which is defined in its usual sense, but the important part of the law is in the two paragraphs above.

The penalties for the violation of the Espionage Act are severe, involving fines up to \$10,000 and prison terms up to twenty years. In time of war, violation of the Act is considered to be the act of a spy and is punishable by death. It was, of course, the intent of the Government to write a law which clearly defines what is meant by a spy, that is, one who intentionally gives out information with the definite idea of jeopardizing the National defense in any way.

Casual remarks concerning the fact that we have a Government job in process, or even that it is a job concerning radio, would be neither illegal nor unpatriotic. The whole idea of the thing is to make it as difficult as possible for a foreign Government to get any information about the defense plans and activities of the United States. As far as General Radio is concerned, few of our activities are of a military nature except those directly concerned with some Government contracts. Taken altogether, the little precautions,

we are assured by the Navy Department, add up to a rather formidable barrier against espionage activities, and are well worth the trouble.

### LIBRARY NOTES

The following issues of magazines regularly bound are missing from the library and cannot be accounted for:

*General Electric Review*, September, 1939.

*Instruments*, January, 1939

March, 1939

*Journal of the Society of Motion Picture Engineers*, August, 1939.

*QST*, February, 1939.

March, 1939.

*Radio*, January, 1939.

February, 1939.

May, 1939.

We would appreciate every effort in locating these missing numbers and returning them to the library.

### MOVIES!

What are they for?

Are you going to take the whole department?

Will we see them?

What kind of film do you use?

How much?

What kind of a camera is that?

How much?

Say, I took some pictures the other night with flood lights, and the etc.

Wait 'til I comb my hair (what hair) and fix my tie.

Are you going to take movies of our department?

What kind of lens on the camera?

Are the movies for record?

Did you get me in the movies?

Will we see them at the Winter Party?

I DON'T KNOW. SEE "CLAYTON."

There is a large hole in Concord Avenue, in front of the Cambridge Sanatorium, which has been there for months. Now and then a gang of men go through the motions of working in or around said hole. They seem to be trying to bury a brook or something. In front of the hole is a sign saying "SLOW CONSTRUCTION AHEAD" and when they say slow construction they certainly mean it. The real purpose of this mess is to keep a detour around the detour around the construction on the Alewife Brook Parkway.

### BUSINESS

Through January twenty-third new orders written amounted to \$86,300, thus indicating a satisfactory total for the month. While the future sales outlook is still clouded by war conditions, our own production outlook for the near future continues to be good.

### PERSONALS

All you old married men lend me your ears and your laughs. It seems that a newly married man had to pry out two *single men* on a Sunday to go skiing. Are they all washed up and how!

Dr. and Mrs. M. T. Easton left January 24th by auto for a trip to Kentucky and thence to Miami before their return.

Harold Erb was transferred the first of January to Baker Memorial where according to all reports he is making satisfactory progress.

As we go to press Martin Gilman is recovering from La Grippe at Baker.

Don Stanley returned to work the 25th after having been absent for two weeks.

Ralph Jennings is expected back to work soon having been under the care of Dr. Barr for several weeks.

The many friends of "Wam" (as Mr. Wambold is called) are glad to see him back to work.

Of interest to many G. R. employees was the recent marriage of Marjorie Jones to Roger Thwing which took place in Winchester December 31st.

Since his return from a cruise to Havana, Dr. Mabrey is advocating winter vacations. While he was enjoying a few holes of golf we were wondering where we had stored the snow shovel last spring.

An incident which Dr. Mabrey reports is that regardless of the temperature the Cubans never go swimming during the winter months.

One of the stockroom laddies says: "I can lick any guy in the joint" whenever he enters the Lab. We wonder if this includes Big Sandy?

Have you heard about the sweethearts of the Winding Department? Flora is a charming dancer and Daisy, a beauteous country lass; and they are the apples of the department's eye. Evidently the girls have the wanderlust because Daisy disappeared one night. They found her in the Bridge Room and dispatched a

punitive expedition to retrieve her. Some time later Flora wandered away and was found in the Lab. Next they missed Daisy and found her in Department A. Then Flora was missing—she turned up at Department SM. Daisy was kidnapped and the boys found a ransom note asking twenty-five cents for her return. They got her back without paying the money. As we go to press both girls are back where they belong. You can't blame them for running away—it must be tough to associate with that gang all the time.

Everett Lewis' tools disappeared and were later recovered. It is rumored that this is in retaliation for Daisy's kidnapping.

What popular young bachelor of the Lab. staff burns up the Worcester Pike in his Oldsmobile regularly (he should carry a life boat). A cynic might ask if any girl is worth a hundred mile trip.

There was quite a squabble in the Lab. on the day that the boys all wore rubbers. It seems that all the rubbers fit everybody except Herman Ausin. Hobart finally had to wade in with his baseball bat and make them settle their argument peaceably.

Instead of cutting out paper dolls nowadays, insane asylum inmates make hats.

**SEE ALL OF YOU AT THE WINTER PARTY SATURDAY, FEB. 3RD.**

New employees at General Radio include L. Graham, D. Campbell and F. S. Page working under Paul Hanson; P. H. Wellman Jr. and P. J. Allen in Comrie's Department and J. Whitehead in Ray Searle's Department.

Harry Goodall is convalescing at the Baker Memorial following a recent operation.

Frank Tucker copped the lowest bowling score the other Monday night and then comes the big news about his new baby, Dick. Guess he was bowling under a handicap. Now the big idea is to pry into the private lives of these low scorers and who knows, we may get some more news! Then again we wonder how about the high scorers.

A letter from Arthur Edgecomb dated January 22 sounds encouraging. He writes that he is able to get up for two meals now rather than the one. Temperature at Rutland hovers between six above to six below. In signing off Arthur

says he hopes to visit us in March and will we give him a cheer when we see him. Hurry up, Arthur, and keep your promise.

Recent arrivals to G. R. members and their families include a son, Charles Jr. to Mr. and Mrs. C. H. Riemer on December 23rd; a daughter, Carolyn Noel, to Mr. and Mrs. G. H. Sharp on December 27th; and a son, Richard, to Mr. and Mrs. F. L. Tucker on January 16th.

Jo-Jo Hollis had better look to his laurels. Last Thursday about five-thirty some of the late leavers noticed a blaze which appeared to be in the shipping room. By the time anyone else could get there Albert Wallen had already made effective use of a fire extinguisher and the fire was practically out. It may have been caused by a cigarette butt carelessly thrown into the waste barrel. General Radio has been very fortunate in that all fires to date have been small and inexpensive, but it should be evident to everyone that a real fire here is not impossible. WATCH YOUR SMOKING.

We see that Harry Chute has moved again. He alternates between the third and fourth floors quite regularly now. Why couldn't his benches be replaced by strings of tea wagons? He could hook them together to work, and unhook them to move.

The rumor that John Blake is a fast and furious car driver has been discredited by one who rides to and from work with him. This party claims that Austin cars have no difficulty whatsoever to pass Blake. What's the matter, John, losing that eagle eye?

It has been rumored around that Tom Palmer and Ken Pratt are going to join the boys this summer in their golf matches.

### NEW YORK NOTES

*Fred Ireland says it is about time that he stopped promising and sent in a word or two from our New York Office. We understand that the engineers hear from him occasionally and that Miss Werner gets those expense accounts regularly, but sometimes we wonder just what goes on in the big city. But, let's turn this over to him and see what he has to say.*

GR in New York is on the 15th floor of 90 West Street—about three blocks be-

low the Eastern Steamship Pier. If you come down by train, get off the subway at Wall Street from Grand Central Station or at Cortlandt Street from Penn Station. Cortlandt Street is New York's radio row, by the way, where you can see most anything the industry has to offer on sidewalk display.

We share the office with Mr. L. C. F. Horle, this year's president of the I. R. E. Somehow Miss Margaret Joyce, our secretary, manages to do a three-quarter day's job for each of us. If you should drop in to us on a busy day, you might find Mr. Horle awarding the type number for a new tube (we understand there have been a few lately) and rounding up a technical committee for this year's I. R. E., while Miss Joyce is supplying catalogs to two waiting customers, managing not to buy the latest in an office dictionary or in men's handkerchiefs (just the thing for a swell birthday gift), convincing a small Brooklyn shop that the factory really did send out that order for two potentiometers yesterday afternoon, and, at the same time, getting in a little typing. I would be waiting, while a visiting Oriental remembers with the aid of an interpreter the voltage and frequency of the power line on which he wishes to use a Variac when he returns to Indo-China. Let me confess at once that life is not always like this, but there is a bit of zest in a job where such goings-on may happen without so much as five minutes notice.

A good deal of the time is spent, as it should be, in the routine business of keeping up with the mail, of preparing quotations, of obtaining information for Cambridge, and of digging up the answers to technical questions from prospective customers. A number of problems have come up which I haven't been able to find the answers to. I have never been more serious when I say that any and all suggestions will be welcome, light or serious as the problems may be. But enough of that for now, for you'll be more interested to hear of what goes on in the big city, and we can end up with some of the contents of that "unsolved problems" file.

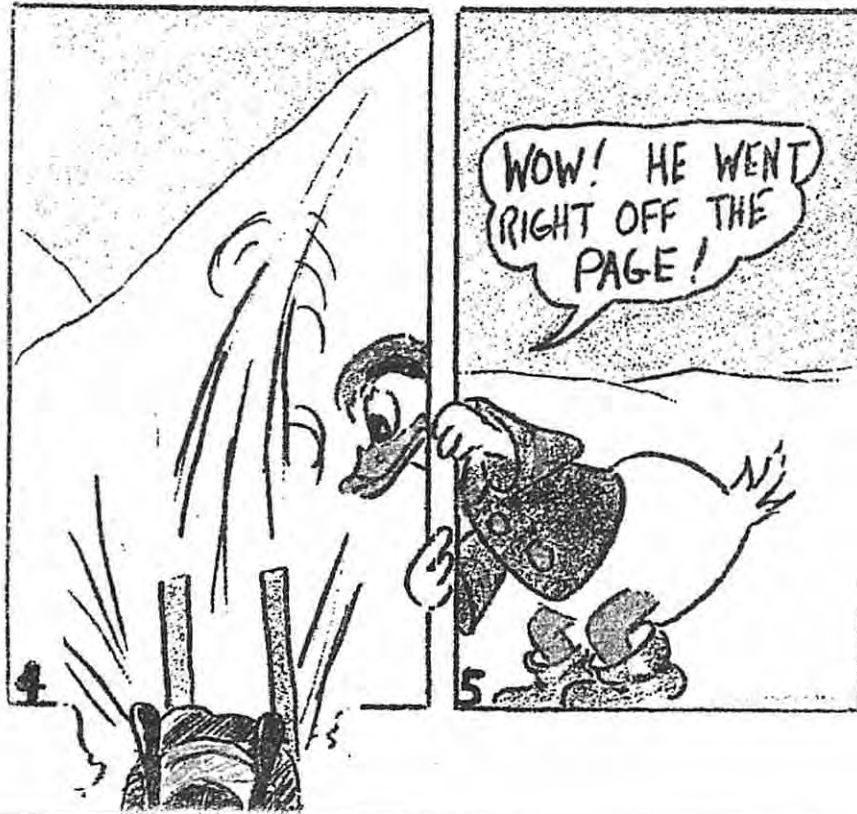
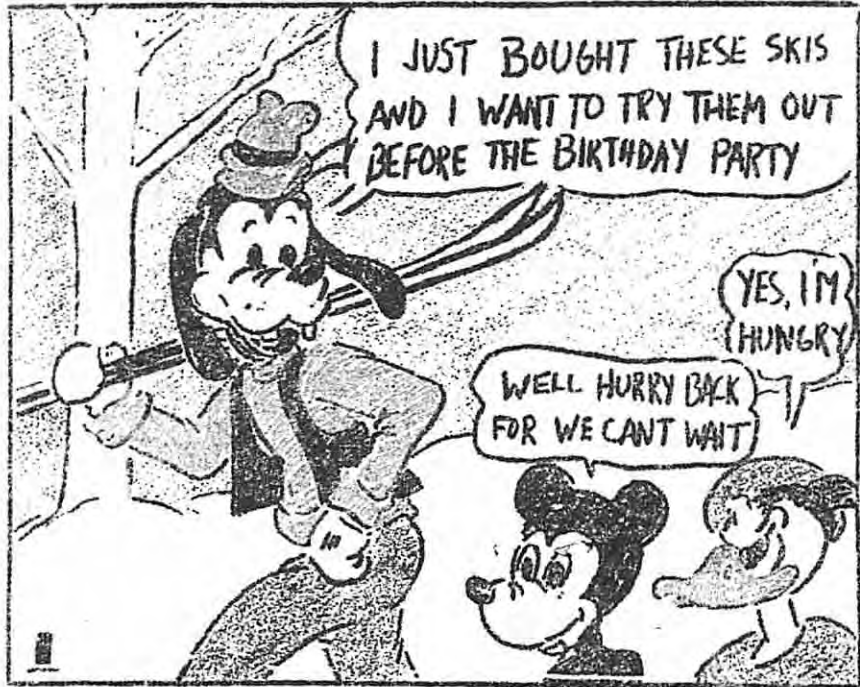
*(Watch for more New York notes next month.)*

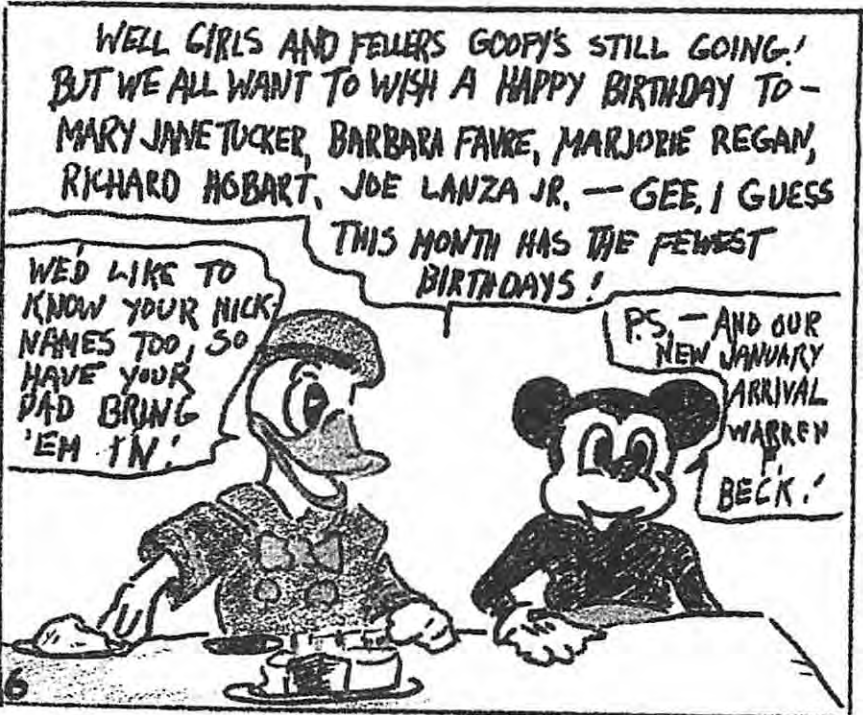
SEE YOU AT THE

WINTER

PARTY

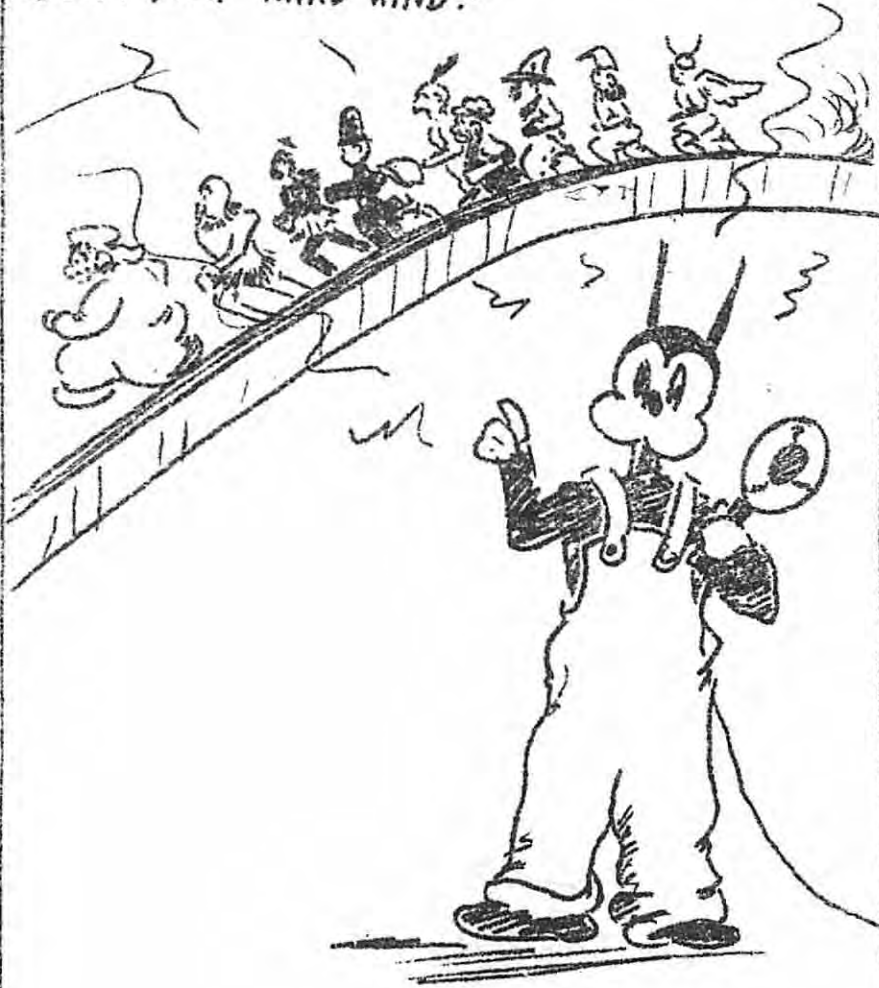






HERE THEY COME FOLKS, THUNDERIN' DOWN THE HOME STRETCH. TEAM "A" IN THE LEAD WITH THE REST OF THE PACK ON HIS NECK; WELL THAT IS MOST OF EM. ONLY 12 POINTS SEPARATE THE LEADER AND AND OUR WINGED (CLIPPED) TEAM "E" THE ELYES.

I CANT TELL FROM HERE WHICH TEAM IS PUFFING THE HARDEST, BUT COME ON, YOU LOWER TEAMS AN' GET YOUR THIRD WIND!



FEDNEY



# General Radio News

Published by the employees of the General Radio Co., Cambridge, Mass.

Vol. 2

MARCH, 1940

No. 5

## COMMUNITY FUND

The General Radio Company and its employees helped the Community Fund Campaign go "over the top" by contributing \$1,503 (Company \$500, Employees \$1,003) through the Radio Manufacturers Group, in addition to a substantial amount given by various members of our organization through neighborhood canvassers.

We received 152 pledges this year compared to 123 last year, and although we did not have the pleasure of turning in pledges this year for some of last year's important contributors, the increases from others more than made up the losses. As was true last year, slightly more than one-half the employees' contributions came from 6 pledges. Part of the success of this year's Campaign can be credited to improved business, but better understanding of the Community Fund and its work also had its effect. When it is appreciated that about 300,000 persons are to be benefited during 1940 by the funds raised in the Campaign, everyone who contributed should get real satisfaction out of having helped.

We have been asked by Community Fund headquarters not only to thank those at General Radio who contributed so generously, but to pass along any criticisms or suggestions our group might make regarding the Campaign. It is recognized that mistakes have been made in the past, but a sincere effort is being made to correct them. Since it is not too early to begin planning for next year, please give any helpful ideas you might have on the subject to one of the committee members or to Frank Tucker.

One thing we hope to have settled by next year is the problem of whether to give at home or through the Company. Some companies insist that all pledges be made through the company with proper credit going to the employees' home towns. Others request a report from all those who contribute at home. It is apparently of value to a company and its employees to be favorably known to the Community Federation and its member

agencies, and we hope to be able to work out some procedure whereby General Radio will get credit for all of our contributions without making it any harder for the home town campaign indicators to go "over the top."

## "NOT LICKED"

I have failed in a thousand cases  
But I still have the heart to try;  
I am scarred in a hundred places,  
No darling of luck am I!  
In many a crucial hour  
I have hoped, and been scorned and  
kicked;  
But never has Fate had power  
To convince me that I was licked.

I have trusted and been mistaken;  
My friendship has been betrayed;  
I have struggled alone, forsaken,  
By men who have had my aid;  
I have listened to those who flattered,  
Their motives misunderstood,  
But my faith has remained unshattered;  
I believe in the ultimate good.

I ask for no unearned pleasure,  
No pathway thro' flowery lanes;  
I offer a full, fair measure  
Of effort for all of my gains;  
I'll try, though the pace may be grilling,  
Nor whine if I'm tripped or tricked,  
As long as my soul's unwilling  
To let me believe I am licked.

## BRAIN TEASERS

Product of first two digits equals product of last two.

Number formed by first two digits divided by middle digit is the number formed by last two.

Also, sum of first two digits plus middle digit is the sum of last two digits.

*What five digit registration number is this?*

Here is a problem in addition:

SEND  
MORE

MONEY

What number does each letter represent?

## PERSONALS

A gang from the plant had a day's skiing the other Saturday up in New Boston, N. H. All those, either limping or battle scarred, in the plant Monday were among those present. They looked like the last of Cox's army when they arrived home and a cloud of liniment fumes followed each skier for days. To top it all they are going again soon. Moral: A fool and his skis are never parted. Happy Sitzmarks!

This world is just a one track line for Moffat these days. It is rumored that he yearns for the change in weather that will allow him to see the other side of the street.

Cupid pierced the heart of Maryan Dunlap on February 14. The lucky chap is Mr. Shirley Packard, graduate of Northeastern University. No date has been set for the wedding.

Harry Goodall, who recently underwent an operation at the Baker Memorial, is now recuperating at home.

We hope to hear of Harold Erb's discharge from the Baker soon.

Mr. Locke certainly was "a good judge too"—we thought he stole the show.

The show was so successful that it will probably quiet the grumblings of the minority, who are fed up on amateur entertainment, for quite a while.

The caterer must have had a big job the week before, in order to have enough left over to feed our crowd! One of the boys said the food was all right, while another said you could get a better meal in the dogcart for a quarter. Why does the good ice cream always land on one of the other tables?

There is plenty of soup to our P.A. system—it blasted us right out of the balcony.

The two most consistent ice cream eaters in the Lab. are Cady and Ruplenas. We could arrange a contest if we could find opponents worthy of their steel.

If you forget to ask your wife about joining the Blue Cross tell her now how it provides a convenient method of budgeting for unexpected hospital bills. Monday, March 4, is the closing date for a new group and the lists may not be reopened for several years.

## "THE TEN DEMANDMENTS"

1. Don't lie. It wastes my time and yours. I am sure to catch you in the end, and that is the wrong end.

2. Watch your work, not the clock. A long day's work makes a long day short; and a short day's work makes my face long.

3. Give me more than I expect, and I will give you more than you expect. I can afford to increase your pay if you increase my profits.

4. You owe so much to yourself you cannot afford to owe somebody else. Keep out of debt, or keep out of my shops.

5. Dishonesty is never an accident. Good men, like good women, never see temptation when they meet it.

6. Mind your own business and in time you'll have a business of your own to mind.

7. Don't do anything here which hurts your self-respect. An employee who is willing to steal for me is willing to steal from me.

8. It is none of my business what you do at night. But if dissipation affects what you do the next day, and you do only half as much as I expect, you'll last only half as long here as you hoped.

9. Don't tell me what I'd like to hear, but what I ought to hear. I don't want a valet for my vanity, but one for my dollars.

10. Don't kick if I kick. If you're worth while correcting, you're worth while keeping. I don't waste my time cutting specks out of rotten apples.

—Conn. Paper Co.

How is it that traffic cops can slow up traffic so much at a simple intersection? Without the cop, traffic flows along smoothly—with the cop, it is tied up for blocks. Do they have to flunk the mental exam. to get the job? Do they take courses in slowing up traffic? Do they compete for prizes given for the best slower upper? Do they dislike motorists so much that delaying them as much as possible is the cop's own idea? Do they have domestic difficulties and take every opportunity to be mean to everyone else or do they just naturally have ugly dispositions?

## BUSINESS

With five business days still to go the total of orders received during February has reached \$83,291, thus assuring another satisfactory month. Shipments have been at about the same rate as new orders.

The bad weather which the North Atlantic states have experienced during February appears to have had no adverse effect on either orders or shipments. A most successful private exhibit, along the lines of the one held in the library the last week in January, was held at the Hotel Stevens in Chicago during the second week of the month. Packard and Dawes, who ran the Chicago exhibit, report that there was much real interest on the part of the visitors, and they are hopeful that some good business will result.

## NEW YORK NOTES

*(Continued from last month)*

I am always impressed with the willingness of customers to talk to General Radio men. In all this region of high industrial concentration there are few outfits, outside of the Government contract laboratories, where the doors are not opened on the presentation of a card to the engineer in charge. After being called in over the heads of carbon-paper salesmen, I am often thankful for the workmanship that goes into our instruments and for their design reputation.

I am impressed, too, with the universal habit of conducting business by telephone. I believe that because of the time taken by subways, and by letter-writing, the engineers are willing to think on the telephone and to reach a decision without a personal interview. Many of the letters are, therefore, confirmation of technical data and prices for file record about matters on which the decision has already been reached.

Thiessen commented last trip that in spite of the reputation for haste he did not seem to notice the hurry and rush in the streets. I find that that is true outside of the business and entertainment rush hours. Then it's another story,—all the city is at the feet of the worm who recently turned and planted his fist in the face of a shoving rush-hour subway guard. The magistrate evidently is a commuter, for sentence was suspended with an admonition to rise earlier in the morning.

I know from this fall's home-movie session on pictures of the World's Fair that GR families are no strangers to this town, but just visits from Hokanson, Dawes and Adams are a small showing of interest in the New York Office. We are out of the way for train travellers, but we do store bags, reserve theatre tickets, meet Junior, and do other small items with real pleasure at seeing Cambridge faces.

To the New Yorker who is forced to conduct his business in telephone conversations, the visiting foreigners present a leisurely contrast. Their business habits, of course, reflect the customs of their own countries. When the door opens to admit a group of four or five gentlemen who seem slightly uncertain of what they are to find on my side, it is usually one of our export customers come to spend the morning, escorted by one of the junior men from his closest New York associate to act as interpreter. The power supply voltage and frequency for the correct replacement setscrew are usually determined before lunch-time. If not, beware their appetites and flair for the special dishes! Once I was met by the valet of a visiting English nobleman and smuggled up a back elevator of the Waldorf-Astoria into the dressing room of his suite. While my host settled the angle of his dress tie he asked questions on extending the frequency range of an amplifier he was using in private biological research. He apologized for not receiving me in the drawing room which, unfortunately, was filled with callers being held at bay by his secretary.

Speaking of hotels, one day I was asked to call at the Shelton, where in one of the tower rooms I found a working model of a complete railway block signalling system. The tenant needed a 650-A in a hurry to measure the inductance and resistance of relay coils. I suspect that the management didn't quite know everything that was going on in the hotel, for the floor man had been tipped not to disturb the layout, and the tenant did his own room work.

One interesting morning found me at Bellevue Hospital (not as a patient) in the ward for adolescents with excitable dispositions. The doctor wished to use the Strobotac to measure the persistence

of vision in the eyes of the patients to get a true measure of their state of elation or of depression. He believed that the response of the optic nerve should be closely related to the brain activity of the patient. He also found that the instrument would be quite useful in such work, but that the color and the shortness of the flash would make the results misleading when compared with data taken with other equipment.

Once, when things were not so busy and when we thought we saw a way of disposing of the remaining stock of 548-B Stroboscopes after the Strobolux was announced, we spent an afternoon at one of the WPA Federal Theatres. The director had seen several of Edgerton's pictures and wished to use the Stroboscope to give a stage ballet scene showing a many-handed Oriental priestess. The dancer immediately recognized the possibilities that the Stroboscope offered and improvised a realistic goddess with many arms, the more startling for the perfection of the illusion and for the superimposed slow motions of the hands.

There have been a few moments that I have not forgotten, such as those on a service visit to a chemical plant. When I looked at the Variac panel I noticed that it was just set in place in the wall, and then noticed that the glass brick window had no mortar, that the building-tile wall had but a thin bond of cement, and that the roof was of light construction. I was told that the Variacs were used to heat a mixture of hydrogen and gasoline by-products that would explode if the temperature passed a narrow-tolerance safety limit, and that the leakage vapors were extremely explosive. The light construction was used so that when a spark did set things off the shed would tend to collapse rather than explode forcibly. The Variacs, Type 100, were mounted with windings in a cabinet back of the panel and with their brushes accessible when a sheet-metal door was opened from outside the building. To prevent ignition of stray vapors they had found it advisable to plug the hollow shaft of these Variacs with corks stuck in the center of the handwheels. Needless to say, the building was on a more or less isolated piece of property. Careful advice on the virtues of cleanliness of the

Variac winding was left with the operating engineer.

Smiling Jack's recent adventure in the wind tunnel with Dixie and Mary recalls a demonstration of the 631-A on a wind tunnel fan for which, fortunately, the direction of the air stream was reversed. I have a distinct impression that my numbered hairs were combed closely to my head while we hunted for the particular blade of the fan that was fluttering.

Once, returning late from a demonstration of a 631-A to an oil-burner manufacturer in the Bronx, I ran along the subway platform for the end of the train and inadvertently banged the 631 carrying case against one of the columns. The cover flew open and as the bottom of the case sagged away from the lid, the power cord stored on top of the 631 fell out onto the track with the plug resting nicely across the rail. No one else on the platform, I asked the change agent to give me a hand up after I retrieved the cord. He said I'd be arrested if I got down on the track, and he'd be glad to telephone for a track-walker who could get there in about a half hour. I had just about decided to go down after the cord, anyway, and escape at the other end of the platform when I heard the next down train approaching. An awful moment of helpless indecision, the first of the lights in sight up the track! The turnstile clunked at my back. The elderly gentleman was dazed as I practically grabbed his cane and managed to hook the cord up to the platform. He was a good sport, accepted my thanks, and allowed me to escort him through the train door that opened directly in front of us. Whenever bored by waiting in the subway, did you ever try counting the number of gentlemen with canes that enter? Try it sometime.

*(Watch for more New York notes next month.)*

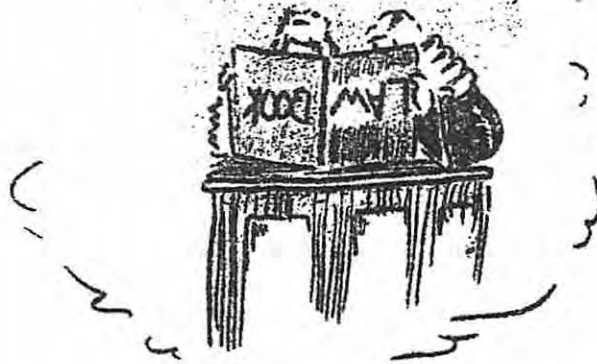
A concert was being held at the village schoolroom and it came to Sandy's turn to give his bagpipe solo. When the applause had died down a voice from the back shouted: "Give us 'Annie Laurie,' Sandy!"

"What?" asked Sandy, surprised and flattered, "Again?"

# AT THE SHOW



A SWELL JOB BY ALL!!



A NEW WAY TO STUDY LAW!

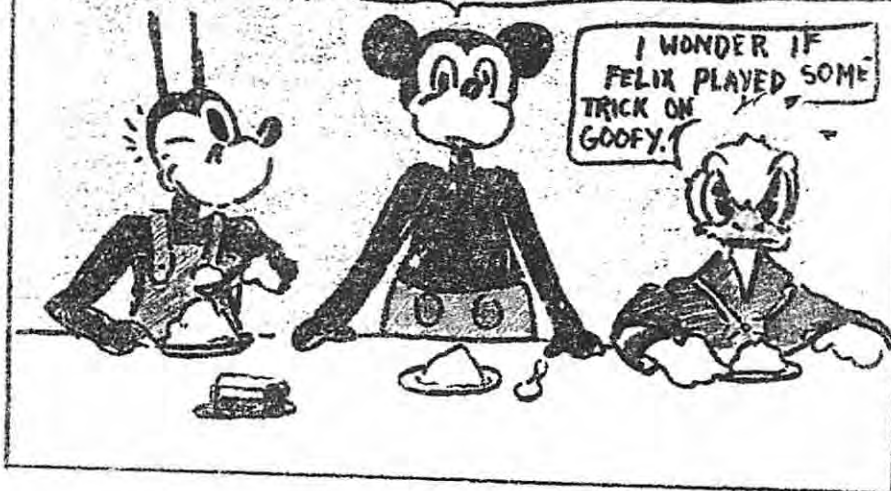


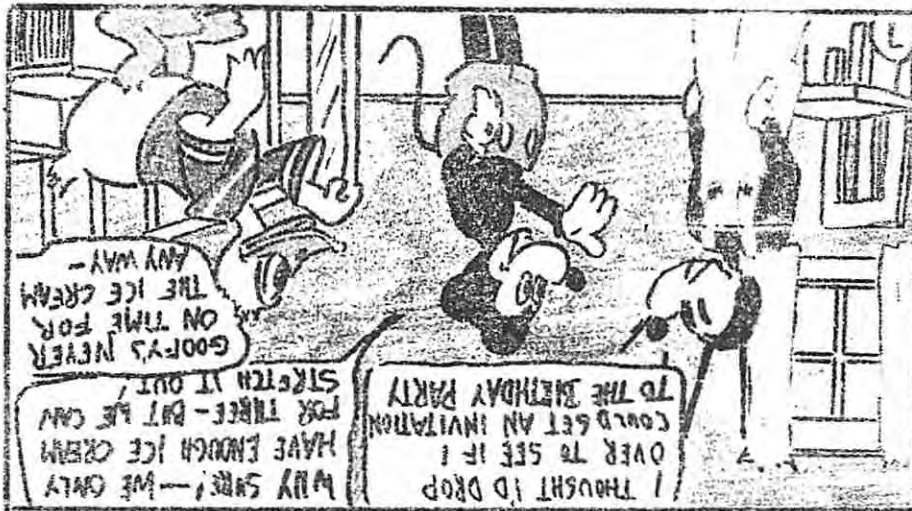
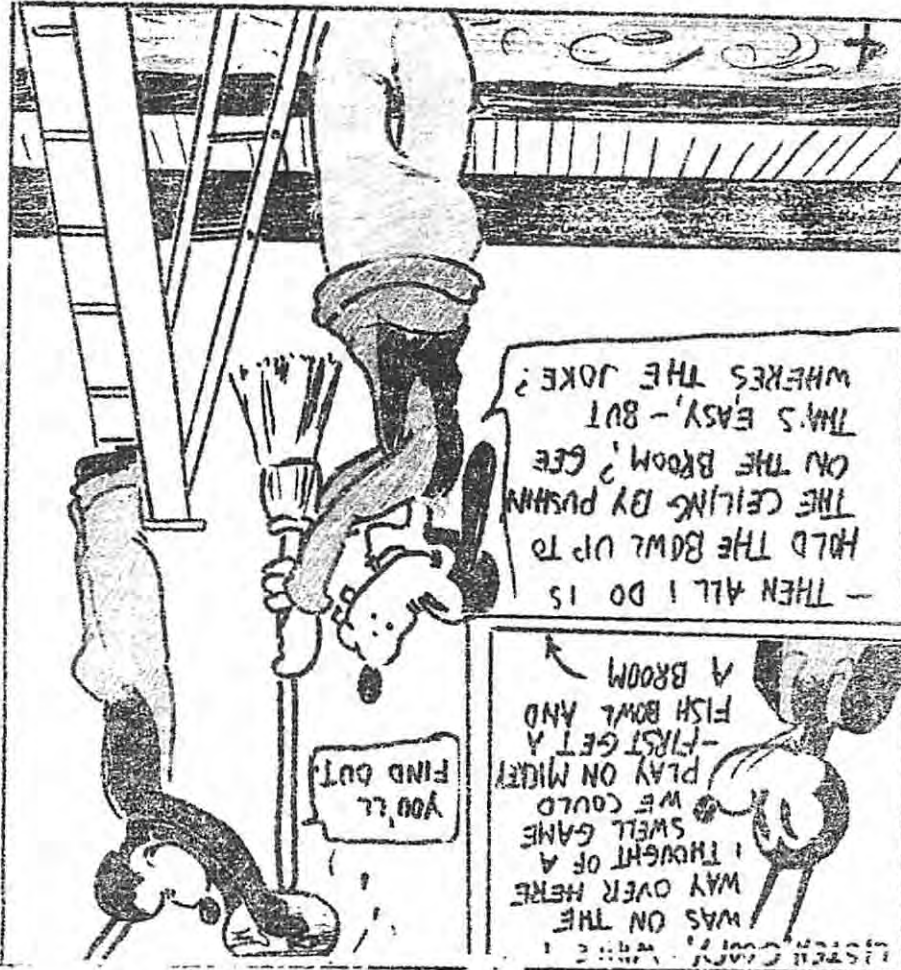
NICE WORK ON THE PART OF  
FREDDIE AND ALL THE LADS AND GALS

Fennel



WELL GIRLS AND FELLERS - FELIX SAYS THAT SOME PRESSING ENGAGEMENT IS KEEPING GOOFY SO WE'LL START EATING ICE CREAM WITH A HAPPY BIRTHDAY TO MARILYN OBERBECK, JOHN TUCKER, DONALD GOVE, MARY MOFFET, ELIZABETH HODSDEN, WILLIAM COMERFORD, SHIRLEY SCOTT, NANCY HOBART, GERALDINE STANLEY, MILDRED AND WILLIAM MOREY, THE TWINS, EDWARD FAYRE, ROBERT GOODALL, JIMMIE AND MARCIA POLLEY, AND GERMAINE BOUSQUET.





'VE YA BEEN SKIING THIS YEAR???

THE WEEK END OF THE BIG SNOW A MERRY BUNCH FROM THE G.R. WENT UP TO N.H. SKIING.

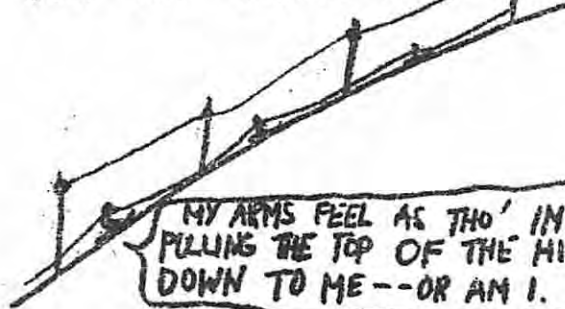


FINALLY HIT A SUITABLE SPOT AT NEW BOSTON, N.H.

WANT A SHOVEL TO DIG-YER SELF OUT WITH



WITH A TOW AN' EVERY THING



HAD A SWELL TIME !!!





# General Radio News

Published by the employees of the General Radio Co., Cambridge, Mass.

Vol. 2

APRIL, 1940

No. 6

## BLUE CROSS

A recent statement of the Blue Cross indicates its increasing financial soundness. In 1939 an epidemic of respiratory infection caused rather heavy payments but as the year ended there was a surplus of \$152,359.73. General operating costs were 8.7 per cent and the cost of acquiring new members, servicing accounts and educational program was 2.5 per cent making a total of 11.2 per cent of earned income used for Administration. "This is one of the lowest operating costs among the 60 service plans approved by the American Hospital Association."

The recent group of 25 brings our total who have joined to over one hundred.

## ADVERTISEMENT

From a Hartford, Conn., paper:

To the person or persons who broke our store window at 2:15 A. M. this morning and appropriated some of our fine watches and other jewelry—We are pleased that you appreciate good watches and jewelry and hope that if you are not entirely satisfied you will return these articles. Store hours 8:30 A. M. to 7:30 P. M.

MAURICE THE JEWELER, INC.  
192 Asylum St.

## SOCIAL SECURITY BENEFITS

Social Security Benefits were changed in several important respects by amendments which became effective January 1, 1940. In addition to retirement benefits, provision has been made for death benefits payable under certain conditions to the widow, young children, or dependent parents of the insured worker. If an insured worker dies leaving a widow with children under 18, monthly benefits are received by each child until he reaches the age of 18 (or 16 if not in school) and by the widow until the last child is 16 years old, or 18 if still in school. When the children all reach 18 the widow will receive no further monthly benefit until she is 65 years old. If, at the time of the worker's death, the widow is under 65 and there are no children under 18, she will

receive a lump sum payment immediately and a monthly income when she becomes 65.

The amount of the payments referred to above vary in accordance with the average monthly wage of the worker and the length of time he has made contributions to the fund. For example, if an insured worker retired at age 65, having earned an average of \$150 per month for three years under the Social Security Act, his monthly old age benefit would be \$30.90. If he had a wife over 65, together they would get \$46.35. If he had earned \$250 per month, the maximum counted for benefits, the corresponding payments would be \$41.20 and \$61.80. If an insured worker who had averaged \$150 per month for three years under the Act, died leaving a widow and one child under 18, the survivors would receive \$38.63 per month. A widow over 65 with no children under 18 would receive \$23.18 each month. Assuming monthly earnings of \$250 or over, the widow and child would receive a monthly income of \$51.50 and the widow alone \$30.90.

Detailed information on all the factors involved in qualifying for benefits and calculating the amounts is too complicated for inclusion here. The information is readily available, however, for anyone interested in considering these payments along with his other forms of insurance.

"Papa," called little Sally, "the furniture man is here."

"Be there in a minute, dear. Tell him to take a chair."

"I did, papa," called Sally again, "but he said he'd start with the radio and studio couch."

One Up for Scotland—In the dressing room of the train the Scot had been boring everyone with tales of the great deeds he had done.

"Well, now," said an Englishman at last, "suppose you tell us something you can't do and, by Jove, I'll undertake to do it myself."

"Thank ye," replied the Scot. "I canna pay ma railroad fare."

### 1939 SAFETY CONTEST

The Massachusetts Industrial Safety Contest ended with the General Radio Company winner in their group of nine contestants. During 1939 our company worked 389,275 hours with no lost time injury and, as a result, were awarded a trophy on March 12th at the Massachusetts Safety Conference.

The Grand Trophy was awarded to the Boston Gear Works Inc. of North Quincy in recognition of their outstanding record, when an average of 479 employees worked over one million man hours without a lost time injury. Of the 310 companies enrolled, only 39 operated the entire year without a lost time injury.

It is interesting to note that the percentage distribution of the analyzed causes of injuries reported in this contest was as follows:

Falls of Persons .....	20.0%
Handling of Material .....	18.9%
Strains or Sprains .....	18.3%
Machinery .....	11.9%
Electricity: Poisonous or Corrosive Substances .....	7.2%
Stepping on or Striking against Objects .....	6.5%
Falling Objects .....	5.9%
Vehicles and Hand Trucks .....	2.8%
Miscellaneous .....	2.1%

We employees of General Radio Company are proud of our record and aim to continue our high standing.

Dudley H. Chute has been appointed chairman of the Safety Drive for 1940. You have our support, Dud.

Sidney H. Beck is the retiring chairman, under whose guidance we won the trophy. Nice work, Sid! It (the trophy, not Sid), is displayed in the library.

### BUSINESS

New orders received for the first two-thirds of March are \$65,100. If this same rate continues for the remainder of the month, the total would be 8% under the average rate for January and February. While there has been some noticeable decline in orders received, there is nothing as yet to indicate that it is any more than one of the normal swings which occur from time to time. There is however, no sign of any improvement in our foreign markets.

### PERSONALS

A recent bulletin announces the disbanding of an organization whose roots were planted by prehistoric man. The right of man to be skeptical is as fundamental as the Magna Charta. Does this stream-lined Zola think that with a dash of printers ink he can stop the function of so valuable a privilege? There may be a few valiant survivors of a lost generation who do not want to relinquish their membership. Are we mice or men? (Don't answer!) There are some organizations now left, universal in appeal, who, with advancing years, may delve into the arts of philosophy and furnish a haven for the few who carry around their salt. We, who are about to die, salute them.

Time flounders on!!

McElroy and Bing Crosby have a lot in common, even if P. K. doesn't sing.

It has really happened—the floor was cleared of trucks and boxes in front of the lockers on the 2nd floor of building No. 1 about the first week in March. Nice going. Let's keep it up.

The G. R. faculty was very much amazed some time ago to discover that they harbored a peanut filcher (one who puts 139-518 washers in the vending machine). On advice of the F. B. I., the stockroom awaited the request for these nearly obsolete washers, figuring that a criminal always returns to the scene of his crime. After months of watchful waiting, a foreman named Bill made the first request. The culprit hasn't been prosecuted as yet.

The Johnson and Martin expedition is again preparing for its annual battle with those ferocious black flies of the Maine woods. Any suggestions for successfully combating these jungle beasts will be appreciated. It is rumored that Chesley Newell is planning to go along. Nice to have known you, Chet.

Since the notice was posted warning the boys not to divulge any information regarding their work, we find the stockroom boys giving incorrect part numbers. Who said, "as usual"?

If the European war lords would really like to get the low down on the proper strategy to employ, we suggest that they tune in on Department A some time.

If you haven't heard Paul Penny imitate a barnyard scene: Bill Fish recite,

"The Daffodil"; Bill Marvin sing "Walking along the Railroad"; about Dave Martin's six kids having the measles; or George Peterson's farm days, you ain't heard nothin' yet.

Howard Stockbridge answered the telephone one day when Bill wasn't around and, after listening for a moment, he shouted to the Department, "Who made the No. 632?" A moment's silence. Then a voice cried "you did." Howard's face was red to the back of his neck.

Have you noticed how well our old friend Tom Palmer looks these days? Nice going, Tom.

A glance at the parking yard makes one wonder how so many poor drivers can be concentrated in one plant. Someone should start a car parking school.

We understand that Ben Bertini inhales ice cream by the gallon, and makes the best efforts of his competitors seem but feeble nibbling.

Ralph Tedesco and George Musgrave left the employ of General Radio recently and are working for United Aircraft in South Hartford, Conn.

We understand Austin I. Corkum has made up his mind where he wants to live and again Westwood has been selected. March 29th was the red letter day.

Harold Erb returned home March 17th from the Baker Memorial and is able to walk around with the aid of crutches.

As we go to press Emil Mohler is ill at his home.

In the United States last year, it is estimated that:

\$40,000,000 is spent to maintain  
5,000 public and private golf  
courses which cover  
150,000 square miles and are worked  
on by  
75,000 persons in order that  
2,162,000 men, women and children,  
may walk  
238,000,000 miles while playing golf.

Boy: "And now, Doctor, that I've told you I am going to marry Anne, there's one thing I want to get off my chest."

Doctor: "You just tell me about it, by boy."

Boy: "A tattooed heart with the name Mabel on it."

## THE PRIZE LETTER OF THE MONTH

CALEDONIAN INSURANCE  
COMPANY

ROBERT MCLEAN

Agent

Bagotville, P. Q.

1st March. 1940

General Radio Laboratory,  
Cambridge, Mass.

Sir:

I am a piano tuner and some time my ears are sore and I am for a little time without be able to worck for I cant ear the the beats.

Can you to furnish me an instrujent beats amplifier wictn will permit me to worck the same when my ears are in those states.

Your truly

Robert McLean

Bagotville

Co. Chicoutimi

P. Que,

## PAPER

In ancient Egypt, books were in the form of rolls of Papyrus. These were packed in jars neatly labeled and ranged in rows on noblemen's library shelves.

The Chinese made paper from bamboo as early as 150 A. D. They are considered the first pulp and paper makers.

Prior to 1799, all paper was made by hand, each sheet separately.

The United States manufactures and uses more than half of the world's paper production.

Modern paper machines can produce from 15 to 30 tons of paper in 24 hours.

## STRAY THOUGHTS

A company is known by the men it keeps.

Some of the folks who went to Florida for the winter sure found it there.

A good way to improve the monotony of any job is to think up ways to improve it.

If all the men who sleep in church were laid end to end, they would be more comfortable.

## NEW YORK NOTES

*(Continued from last month)*

I confess to bad judgment the morning the engineer from the interphone company called to borrow a 759-A for a short set of measurements. He wanted nothing more than to impress the customer to whom he had just sold a communicating system that was slightly inadequate for the job. I reported that we did not rent, but after his explanation and since he promised that we would be through by lunch time, I picked up the 759-A and followed him out the door. We took a taxi to the battery, stopped at the Municipal pier, were soon aboard the City's newest fireboat and were steaming out into the west river. The 6000-horsepower Diesel engines made so much noise inside the steel engine room when delivering their full power to the duplex tandem centrifugal pumps, that the chief engineer could hardly hear the commands over the loud speaking telephone from the bridge. We measured the level to be over 115 decibels, and then I stole up on deck to be allowed to point the great high pressure stream from the forward turret through a small arc over the bow of the boat. I dedicated the stolen moments to Joe Hollis, and returned to the office to eat a hastened sandwich for lunch.

These brief paragraphs do not include the tale of the Russian inventor who appeared with two agents from the Department of Agriculture in tow, demanding information on a precision wavemeter that would measure down to less than a hundredth of a millimeter in wavelength. He had impressed Washington authorities with his demonstrations of remarkable plant growth to the extent that they had commissioned the agents to attend to his wants. The inventor believed that by thinking he could project ultra short waves on to the seeds to stimulate their growth, and now wished to measure the wavelength.

Or the visit of the harassed Pole, victim of a persecution complex, who desired a radio control device to stifle the foreign radio transmitters that were used by his enemies to implant false stories in the minds of his friends over here. Or the gentleman who demonstrated to me an absolute sense of direction obtained by the change in the quality of sound of

a tapping as he slowly turned in a complete circle. A Type 760-A Sound Analyzer was obtained for this work, only to be returned with the comment that the analyzer did not show changes in sound quality that could be distinguished clearly by his ear, whereas cathode-ray oscillograph photographs clearly showed the difference.

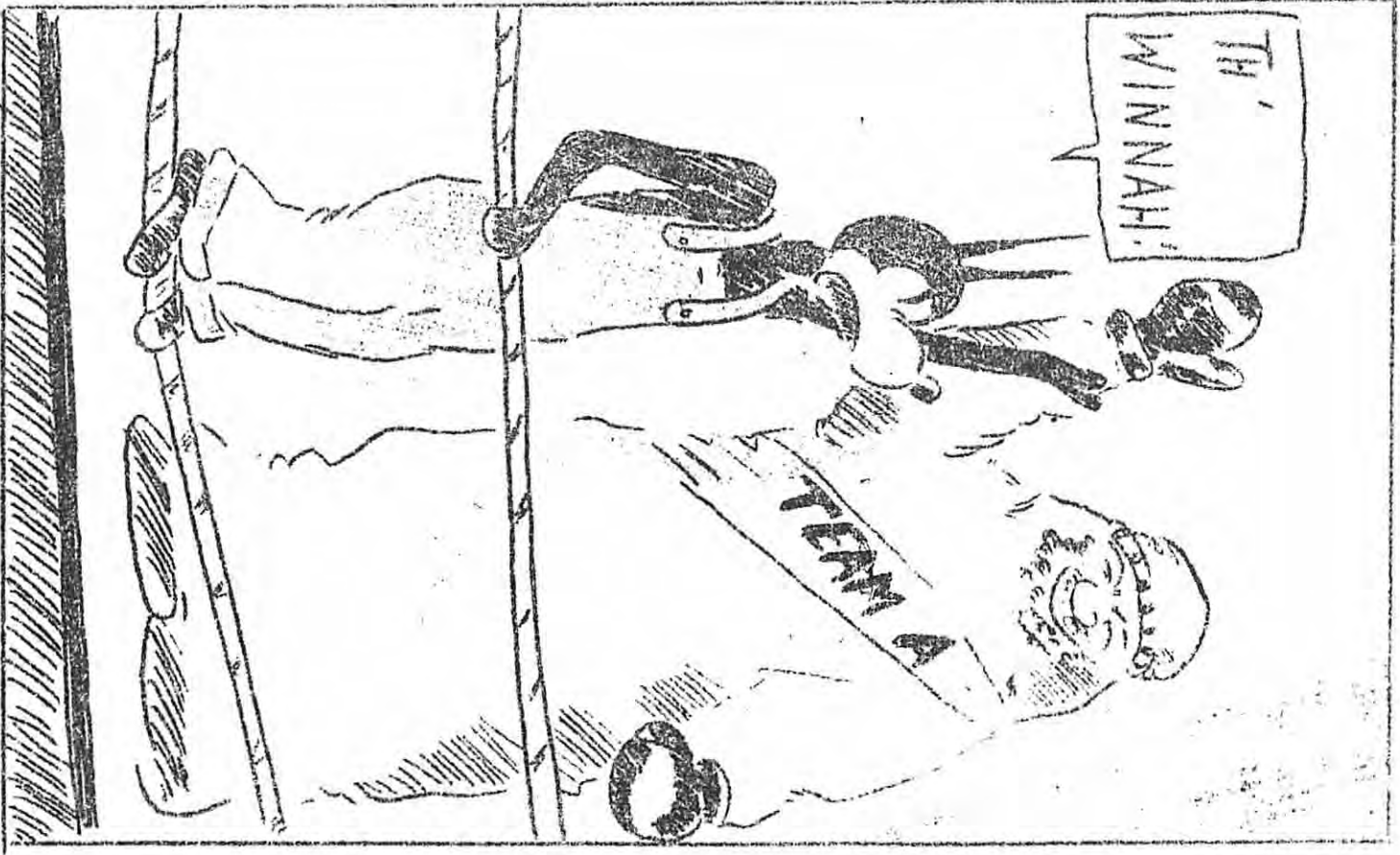
Different, however, is the story of the surgeon who with the smell of carbolic soap fresh on his hands unrolled on my desk from a gauze-dressing what appeared to be a moderate sized, dirt-encrusted sweet potato. Just removed from the kidney of its late owner, the surgeon turned it slowly in his fingers, broke away a section to show me its layer-like construction, and in a voice shaded with his long experience and long study of his job asked me to provide him with a sympathetic vibration to break up such stones in place and so spare his patients the operation just performed.

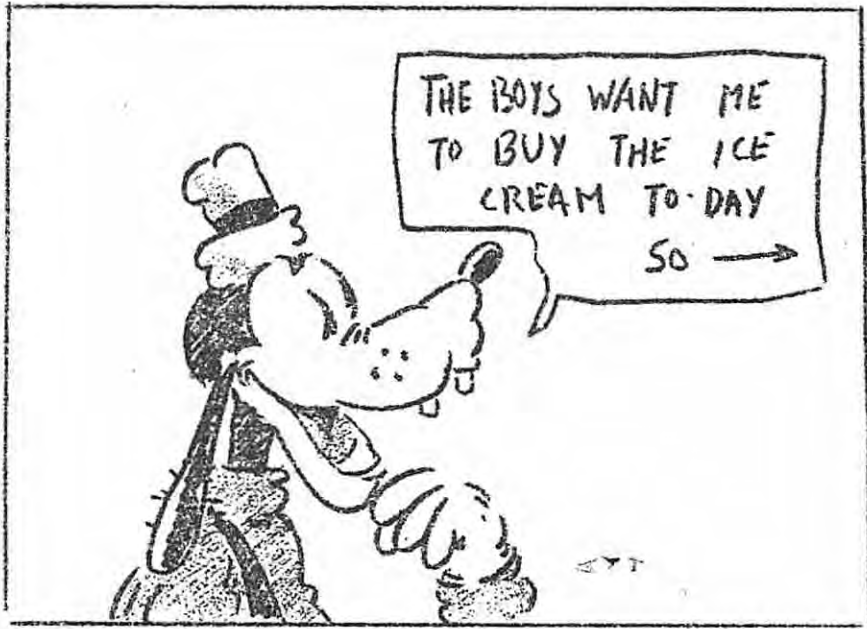
Even more desirable should it work, but somewhat distasteful, is the sale of a second Variac to a gentleman who in strictest confidence shows me the photograph of the first Variac installed in a Cancer-cure machine, "And this one works, too!" I hope that the truth will catch up before he goes into mass production of slot machines for false hope. We have long since been reconciled to the use of a dozen or so 200-B's in a chain of beauty parlors using directly applied electrodes for the re-toning of the skin and the cure of constipation. After stopping only to inquire as to whether said chain, managed by the purchaser, carried liability insurance I specifically warned the gentleman not to connect his clients directly to the house lines. After all, he was using a 10-volt step-down transformer between the Variac and the patrons. There might be something in that sixty-cycle zip. Perhaps some of the boys in the lab can tell.

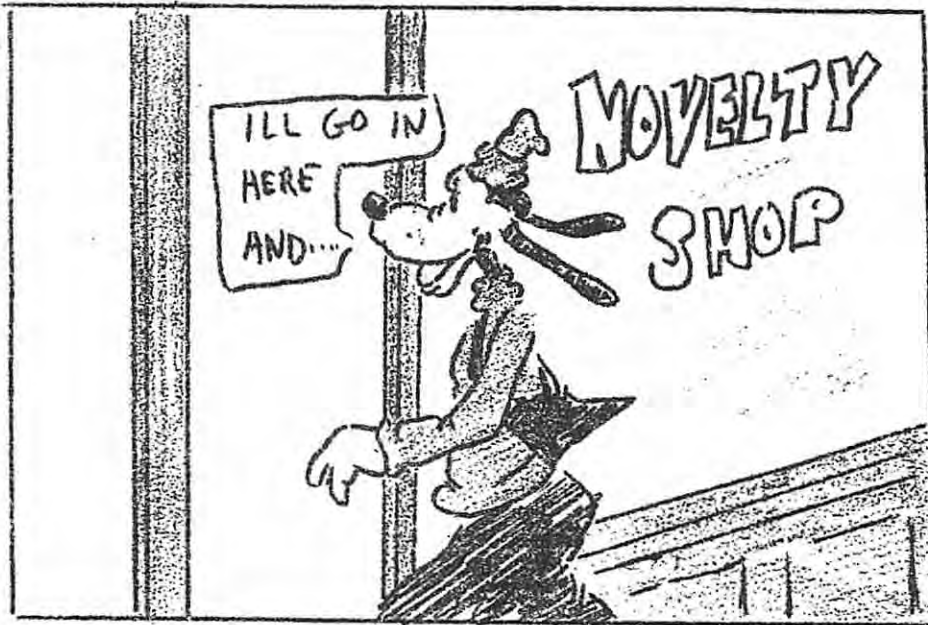
Other items we are asked for and are unable to provide are an "rf power meter good to 300 megacycles," and a "standard signal generator with accurate output good to 1200 megacycles." Suggestions will be appreciated.

Best regards,

FRED IRELAND.

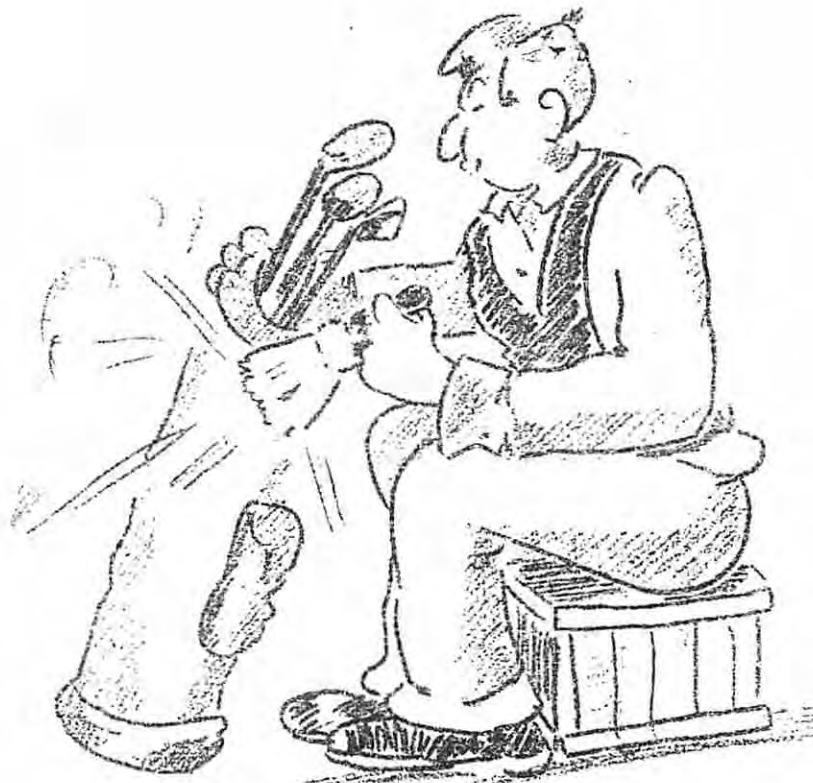






WELL I FOOLED THEM THAT TIME —  
HAPPY BIRTHDAY TO — LOWELL McELROY  
JEAN BECK , GEORGE FAVRE,  
LOIS HOWLAND,  
PAUL MONTGOMERY  
ROBERT SANDBORG ,  
CHRISTOPHER BUCKINGHAM





DUST 'EM OFF, BOYS.



# General Radio News

Published by the employees of the General Radio Co., Cambridge, Mass.

Vol. 2

MAY, 1940

No. 7

## SALES LEADERS

The following instruments in the order listed were the sales leaders for the month of March:

- 200 Variac
- 631 Strobotac
- 650 Impedance Bridge
- 100 Variac
- 605 Standard Signal Generator
- 736 Wave Analyzer
- 726 Vacuum Tube Voltmeter
- 759 Noise Meter
- 621 Power Stroboscope
- 732 Distortion and Noise Meter

The above ten instruments accounted for 44.5 percent of the total sales for the month.

## G. R. OUTING

The outing this year will be at Canobie Lake, Saturday, June 22. The committee is planning events of interest to everyone so keep the date open and we'll see you there.

## A SAD STORY

A famous Englishman made a tour of America last November. When he returned home he was asked the usual question—"What do you think of the United States?"

"Well," he answered, "they really do have a great sense of humor over there. During the few weeks I was in the United States most of the people were talking about a business recession and telling me how bad times were. Yet in all my life I have never seen money spent so freely. The stores were not only crowded, but the goods the people were buying would have been too expensive for all but royalty over here. They took me to the theaters and motion-picture houses, and they were all filled to the last seat. They took me to football games where sixty, seventy and even eighty thousand people were assembled and these people had paid, I learned, an average of \$2.60 per ticket. As for automobiles, I saw more in an hour in New York than I would see in all England in a year. Really, these Americans are very funny folks. What they call a recession over

there would be the very height of prosperity even in England."

The Englishman is right. We have a very queer sense of humor in this country. It is almost droll. For instance, we have a few automobiles. Last year there were approximately 30,000,000 automobiles registered in the United States—which was *three times as many as all the rest of the world put together*. In this country there is an automobile for every 4.5 persons. In England and France there is one for every 20 persons; in Germany one for every 49; in Italy one for every 104; in Japan one for every 472; Russia, of course, doesn't even do that well.

When it comes to radio sets; *over half of the world total are in the homes of the American people*. We have one for every 4.2 persons—the other nations aren't even close, except England which has a set for every 4.9 persons.

Motion-picture theaters? We have 15,378 theaters in the United States wired for sound pictures—which is *one-third of all such theaters in the world*. When it comes to attendance, our record is still better—for *half of the world attendance at motion-picture theaters is in America*. Moreover, we have better pictures by far than any other nation on earth.

As for telephones, we have HALF of the world total of 35,000,000 and our telephone service is in a class of its own. Of such luxuries as cosmetics, America consumes over HALF of the world supply—and the same thing applies to wearing apparel of the higher grades.

When it comes to wages, there is just no comparison between the American wage and those paid in foreign nations. Allowing for relative buying power, the average monthly wage of the Russian worker is about \$10 to \$12 in American money—the MONTHLY wage, bear in mind. In Germany and Italy it isn't much better, and even in England the average monthly wage—with allowances for the difference in buying power—would be only 60 per cent of the average monthly wage paid in the United States. Taking the average monthly wage of ALL

of the industrial nations, we find that it is about the same as that of workers in this country who are in the lowest brackets of federal relief.

It is foolish to even compare American educational facilities with those of other nations. Except for the colleges and post-graduate schools there IS no comparison. When it comes to public school education, the United States with its 27,000,000 school attendance, is so far in advance of all other countries—both in the standard of work done, and total enrollment—that no comparison is possible.

Of course most of us know all of these things. That's why we're here. Yet—with all the talk you hear about the plight of poor old America—it is sometimes worth while to check up and see just how badly off we are.

When it comes to going around, the winding department makes a turn or two. 20,000 lbs. copper wire were purchased in 1939, or about 12,500 miles.

Based on an average of 6 inches per turn this would mean about 132,000,000 turns per year. Variacs used about 300 miles of wire last year or about 2,500,000 turns. Resistance units used 1000 miles or 2,000,000 turns.

Transformers and Variacs used 125,000 lbs. or 62½ tons of laminations last year.

Throughout 1939 General Radio bought a total of 90,850 knobs consisting of 14 different types at a total cost of \$6,570.

### IN THE UNITED STATES EVERY HOUR

15 houses burn down,  
150 couples get married,  
158 people die,  
165 are injured in automobiles,  
180 major crimes are committed,  
264 babies are born,  
600 are injured in home accidents. As Bill Fish would say: "TIME MARCHES ON."

Professor: "I am about to perform a very interesting chemical experiment. Should I do anything wrong, the whole class including myself, might be blown through the roof. Kindly step nearer, so that you can follow me better."

### PERSONALS

Who was seen with whom at Symphony Hall recently?

Again May rolls around and the girls are planning their yearly Birthday Banquet which at the last report will be held at the 1775 House in Concord.

One of our friends suggests that we might get more contributions to the News if we had a news box on each floor. It would make it still easier if we mounted a box on each bench but until we do couldn't our contributors give their news items to Pete, Everett, Bob, Dud or Frances? If your news is too big, call us up and we will come and get it!

We've been hearing vague rumors of an amateur photography contest. Wonder why the G. R. A. C. A. T. Club doesn't revive itself and sponsor a contest?

Ruth Crowe had an interesting trip over the weekend of the 19th. She and a group of friends drove to Syracuse in Ruth's new car.

On the way back, after being delayed for a considerable time by the recent train wreck in Little Falls, the car skidded and came to rest in the ditch against a tree. Other than broken windows and a badly dented top, no other damage was done. Luckily no one was hurt.

Everyone reported a good time at the Bowling Banquet and is looking forward to next fall for more bowling.

Miss Maryan Dunlap recently underwent a T&A operation at The Baker Memorial Hospital.

Mr. and Mrs. Frank Rosenkrantz announce the birth of a daughter, Charlotte, March 26th.

Mr. and Mrs. John Morey are receiving congratulations on the birth of a son, Jackie, March 30th.

We often read about it in papers! Harvard boys have found it profitable! But never before that we know of has a General Radio Lad done it! Earning money caring for children at night while Mom and Pop take in a movie or a dance. It's not a bad idea at that, so if any of you fun-seeking parents wish a night out, see John Wade who will be glad to direct you to said person.

Miss Anne Werner spent the week-end of April 19th visiting in New York and Philadelphia and Miss Maryan Dunlap

spent the same week-end with friends in Maine.

What young man from the Laboratory with his new car spent the long week-end in New Hampshire with a young lady as a companion?

Tom Palmer, Joseph Montgomery, Mark Aldrich and their wives attended the annual Technical Session and Banquet of the American Electroplaters Society at the Hotel Statler Saturday afternoon and evening, April 13th.

We were thrilled to see the name of Russ Hatch in the Marathon list. In an exclusively interview with the G. R. News Reporter, Russ said: "My feet let me down at Wellesley College and boy am I glad! I stopped there to retie my shoe laces and never did get going again."

Final Bowling News of the year is as follows:

Winning Team:

S. J. Capriulo	99.0
H. J. Comrie	89.2
J. E. Lundgren	88.4
H. H. Dawes	80.9
H. P. Hokanson	79.1

High 3 String:

R. W. Searle )	TIE at 341
S. J. Capriulo )	

High Single:

Paul Penney	132
-------------	-----

We still in the Plant have a Safety Committee whose function is to reduce and if possible, stop accidents. One of the other duties is the problem of good housekeeping. Everyone remarked how fine our Plant looked when we had open house. Why not with just a little effort keep it that way? Some times we are embarrassed at dirty conditions when taking visitors through the plant. Many complaints have come pertaining to a few but concerning us all. It seems that some regard the bubbling fountains, barrels and white painted corners as cuspidors. Please, as a health measure for your fellow-worker, won't you co-operate?

Many complaints have also been received about round wooden matches on the stairways. Many dangerous falls have resulted. If you must leave them where they fall, please use the paper ones.

CONFUCIUS' MOTHER - IN - LAW say: "Confucius talk too much."

## BUSINESS

Through April twenty-second new orders received were \$69,467, which again indicates a month that will approach a total of nearly \$100,000. This is in spite of the immediate loss of approximately \$12,000 of orders because of the Scandinavian Invasion. One of these orders, amounting to nearly \$6,000, was cancelled by cable before the order itself had arrived by mail. It was for the Government of Sweden.

In addition to these orders another Navy contract in the amount of approximately \$40,000 has been awarded. Work, however, on this contract will take place over nearly a year.

The total of foreign business is off approaching one-half, but it has been made up by increased domestic business and Government contracts, so that for the present at least there is no indicated change in the level of operations. Government contracts on hand and on which practically no work has been done, total approximately \$190,000, an all-time high with the exception of the large hydrophone contracts in 1922 and 1923. Granting the uncertainties due to the war, the orders actually in production together with items which normally will be ordered by sales during the next four or five months, seem to assure full-time production until the first of the year.

Confirming current rumors, the Company plans to purchase the garage across State Street on corner of Windsor to increase our parking facilities. If all goes well, the new building will be available for use about October 1—ending for a while anyway the parking argument.

A committee consisting of Paul Hanson, C. T. Burke and Carl Batchelder will have the job of carving up the child to every one's satisfaction, as well as that of administrating our other parking areas.

"Why did you want me to hire the short man? The tall man had such a kind face."

"My dear, when you pick a man to work in your garden, judge him by his overalls. If they're patched on his knees, you want him; if they're patched on the seat, you don't."

## SOCIAL SECURITY ACCOUNT NUMBERS

The amount of the retirement and death benefits to be paid by the Federal Old-Age and Survivor's Insurance system will be based on the account kept for each worker. A mistake might be extremely costly. Since there are millions of these accounts at the central accounting office in Baltimore it is impossible to keep the records straight unless employees' names, Social Security numbers, and earnings are correctly reported each quarter by the employer.

Our employment records and Social Security reports are very carefully compiled, and we are reasonably sure that each employee's earnings have been correctly reported since he has been at General Radio. There are always good chances for error, however, when workers change jobs, if they have more than one account number, or if they do not always use exactly the same name. It is suggested, therefore, if anybody, particularly among those who have worked elsewhere since January 1, 1937, has any reason to believe there might be a mistake in the records at Baltimore, that he fill out an inquiry card (available in the accounting office) to have his account checked and reported to him.

If anybody has more than one account number, he should have his various accounts combined and have all numbers except one cancelled immediately.

## LOS ANGELES NOTES

A number of weeks ago Pete wrote to our Los Angeles Office and requested some notes on the activities in the Hollywood area. It has been a mental hazard to us for some time that these notes have not yet been written. I, personally, think I have a valid excuse—my marriage last November to a Connecticut girl. What really prompted these notes was the appearance of Fred Ireland's about the New York Office in the February issue of the GR NEWS.

The General Radio Office in Los Angeles is located in the attractive building pictured on the back page of the General Radio EXPERIMENTER of December 1938. The building is at 1000 North Seward Street in Hollywood, about eight blocks south of the famous Hollywood

Boulevard, and is owned by the Langevin Company. It is a one-story affair of modernistic architecture, constructed of brick painted white, and has a red glass front. The grass around it is green throughout the year, and flower beds and flowering shrubs from time to time make a colorful picture against the white of the building.

Hollywood is part of the city of Los Angeles, and is not a separate corporate town. Consequently, our mailing address is Los Angeles, although, if Hollywood is made a part of the address, letters are routed immediately to the Hollywood Post Office rather than clearing through the downtown Post Office. The center of Hollywood is approximately eight miles from downtown. There are many wide thoroughfares or boulevards radiating from Los Angeles, and one hardly ever drives the same route twice in going between two points. If you do not like someone's driving on Sunset Boulevard you simply cut over to Beverly Boulevard and try it for awhile.

Mr. C. C. Langevin has represented General Radio on the Pacific Coast for a period of approximately fifteen years. His original headquarters were in San Francisco. After the boom of radio parts had subsided, Mr. Langevin began to get into the public address business, which is different out here from anything we know in the East. His business has expanded and prospered, and now requires the full time of the Langevin Company. Meanwhile General Radio equipment became much more technical, and it seemed desirable to have our own Engineering and Sales Office. In the summer of 1937 Mr. Langevin decided to build his own building to take care of his needs in the Los Angeles area. Plans were made to house our business in the new building, and also to separate the activities of the two organizations.

## STRAY THOUGHTS

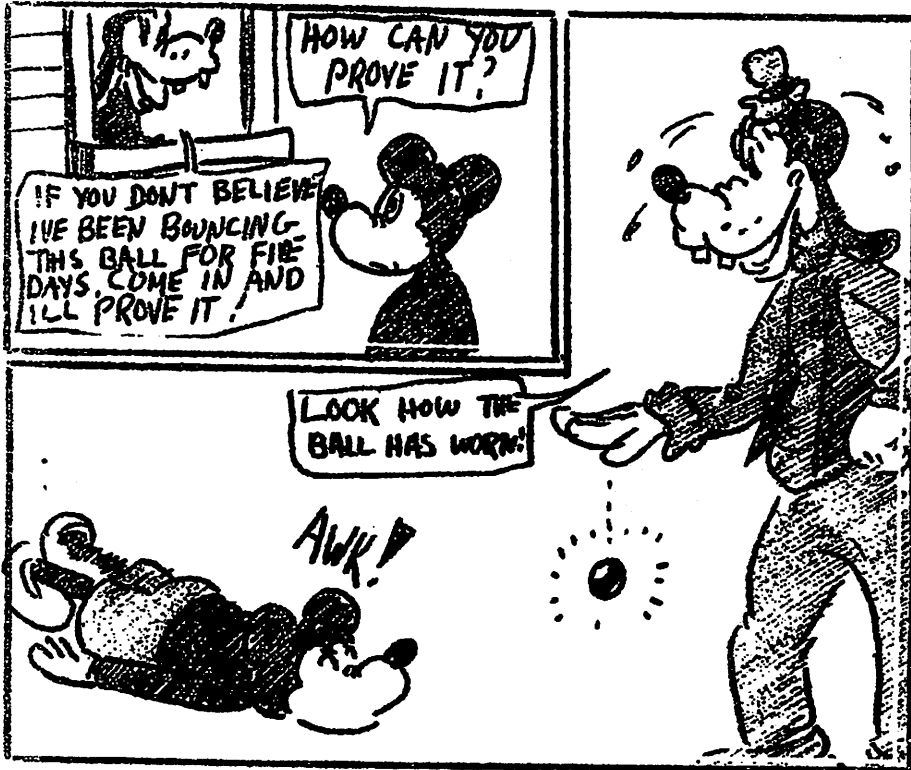
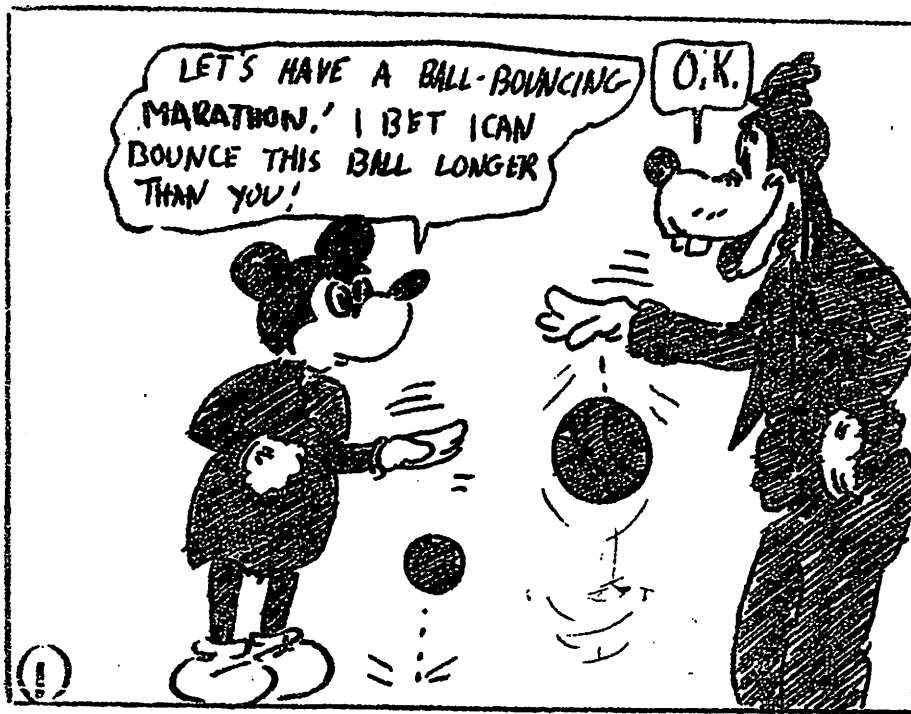
Successful men profit by the errors of others as well as their own.

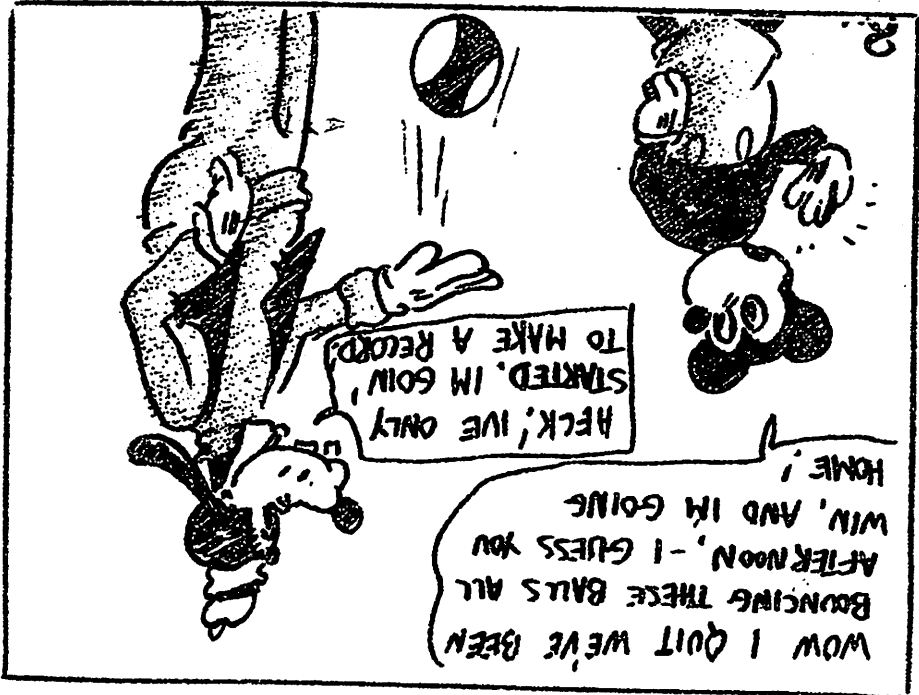
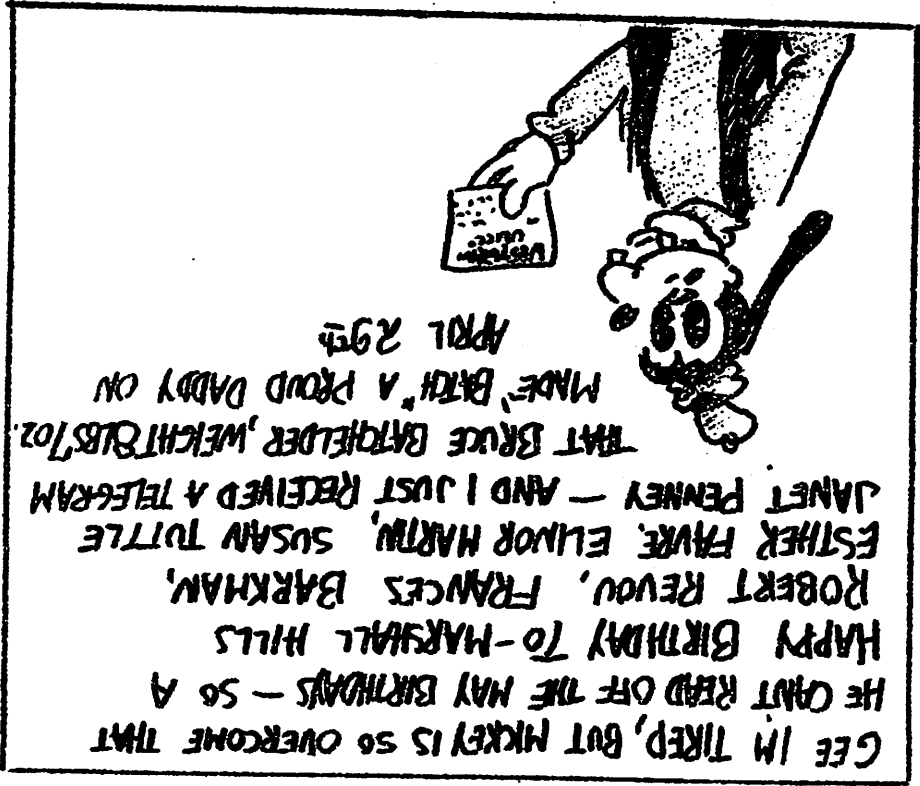
Feminine complexions are so called because they're so complex.

Keep your head up and your overhead down.

BATTER UP!







LET'S SEE NOW: WHERE SHOULD  
WE GO FOR OUR VACATION - THE MOUNTAINS  
OR THE SEA SHORE, - BOY, FISHIN', AND  
JUST LAYIN' OUT IN THE SUN - WITH THE  
BIRDS SINGING; THE SHADY TREES, - RUNNING  
BROOKS. - AN ... - - -



YEA! AN THE  
WIFE WILL PROBABLY  
DECIDE ON THE TRIP  
HE DOESNT WANT!





# GENERAL RADIO NEWS

*Published by the employees of the General Radio Co., Cambridge, Mass.*

Vol. 2

June, 1940

No. 8

## G. R. OUTING

When June 22nd.  
Where Canobie Lake Park  
Dinner 12:30 noon (Page catering)  
Sports Watch Bulletin Boards for details.

Come one! Come all! Join the fun for the day!

Because of the acceleration of the European War which has already produced a marked decrease in foreign orders, a brief outline of the manner in which the Company is preparing to adapt itself to this changed state of business may be of interest to the readers of the G. R. News.

Although the volume of Government work now booked in addition to the increased domestic business would seem to require our full productive capacity through 1940, some new stimulus to business will be needed to keep operating at capacity after the first of the year. It is proposed to bring out for sale early next year as many new instruments as possible, and to this end we have in various stages of development nearly thirty new instruments some of which will be put in production before the end of this year. Part of the foregoing plan is to complete the engineering, drafting and test runs of new instruments in order to have them ready for production if and when our domestic sales decrease. The publication data on the new catalog has been tentatively set. If sales decrease the catalog will come out early in the spring; if sales continue in good volume the publication date may be deferred until early summer, and we will include all new instruments on which the engineering has been completed.

In order to prepare so many units for production and eliminate all the difficulties possible, set up methods of manufacture, make tools, obtain suitable sources of supplies etc., more hours of test run supervision will be necessary than now are available and H. T. Anderson has been transferred to the office to work with C. E. Rice on this phase of production.

The co-operation of everyone is required that this development program result in maximum benefit to all.

## CO-OPERATIVE ENGINEERING COURSE

General Radio Company has arranged to co-operate with Massachusetts Institute of Technology on an engineering course similar to those now operated between M.I.T. and General Electric, Bell Laboratories and Boston Edison Company, from which several of the engineering staff have graduated.

The purpose of this course is to combine practical shop and laboratory experience with school work. Students have a full academic program as well as the works experience, completing the course in five years instead of the usual four.

Two students are selected each year, and they continue on the co-operative course for three years, spending alternate fifteen-week periods at General Radio and M.I.T.

The first student under the plan, Sanford Peek, will start work at the plant this summer.

Upon his return to school next October, Herbert Harvey will come to General Radio.

The first period at General Radio will be spent in different manufacturing departments including painting, parts assembly, winding, instrument assembly, and inspection. The second period will be in the calibration laboratory, and later assignments will be made to various activities, including engineering, as seem to be indicated by the man's aptitudes.

Many of us attach so much importance to the number of persons killed by wars, we thought it would be enlightening to point out what our real anxiety should be.

Statistics show that 244,357 people have been killed in this country by wars from 1776 to 1938, whereas automobiles, our real problem, exacted a toll of 461,912 lives from 1933 to 1938. If every auto driver would realize that he is at the controls of a death dealing machine, and control it sanely, automobiles wouldn't be even greater killers than war lords.

Think it over.

## PERSONALS

Misses Betty Dolliver and Mildred Cox are among those having part of their vacation this month.

The engagement of Miss Catheryn E. Grant to Randall G. Alexander was announced on May 7th. The wedding will take place early in October.

A surprise shower was tendered Maryan Dunlap, May 7th, when the young ladies of General Radio met at the Fox and Hounds Club for dinner. Many lovely and useful gifts were received as was also a corsage of gardenias.

Among those painting their homes this season are Cliff Gove, Bid Allen, Herman Ausin, Chet Starkey, Bill Hart, Dud Chute and John Holm.

Believe it or not for the month: Two of the neighbors who offered to help Dud paint his house really did some painting.

Harold Erb returned to work Monday after several months sick leave.

As we go to press Fred Williams is at the Baker Memorial Hospital recuperating from a recent operation.

Henry Stirling and Herwie Dowden are among those who have had operations this past month and are now back at their work.

Larry Graham, one of our baseball stars, has been unable to work for a few days, following a slight injury received at a recent game.

Anyone troubled with sticking windows see Herman Ausin. His method gives immediate results.

An issue of the Bridge, a magazine printed by the Credit Union National Association, will be found in the library for the convenience of our members.

Lu Packard recently purchased a 10 H.P. Evinrude Motor and boat which he plans on using on his vacation down the Cape this summer.

Charlie Keirstead and Roger Schaller are busy getting their boat ready at Marblehead for the summer.

Stan Larson wanted to talk to Comrie the other day so he picked up a phone, dialed 66 and got a busy signal. Turning away from the phone he discovered Comrie standing at his elbow and much to his surprise, found that he had been using Hi's own phone. "What's her name Stan?"

Mr. A. P. G. Peterson, who has been at the General Radio Company for over two years working on a research project in connection with the Massachusetts Institute of Technology, is going to join our staff of engineers on July first.

Bob Cameron is having a three weeks' sick leave but hopes to return to work in much better spirits.

## CARD OF THANKS

Through the General Radio News, may I express my sincere thanks to all my friends and to the Mutual Benefit Association who so thoughtfully remembered me during my convalescence. Their many gifts and cards will long be remembered.  
H. O. Erb

How keen are you for hearing new radio stars on the air? Leon Scott and Al Parlee are among those who are now being heard. Possibly we may influence these boys to post notices on the bulletin boards so that we may have a chance to hear them.

## BUSINESS

Through May twenty-second new orders were \$78,773, which is a little better than for the same period of April. The total for April reached only \$88,550 instead of the expected figure of \$100,000. Foreign cancellations were largely responsible for the dropping off at the end of the month.

The further successes of the Germanic Armies has taken more territory from our sales area. The following list gives the sales made in the occupied territories for the twelve months just prior to their invasion:

Czechoslovakia	\$12,000
Poland	40,000
Holland and Belgium	55,000
Austria	2,000
Scandinavian and Baltic Countries	25,000
	<hr/>
	\$134,000

At the present moment shipments to France have also been suspended by Radiophon, and English shipments are at a standstill.

## INSPECTION TRIPS

On Wednesday June 27 from 2:30 to 4:30 there will be a conducted tour through the plant for the delegates and their friends from the national convention of the American Institute of Electrical Engineers being held in Boston that week.

There will also be a visit by a delegation from the annual convention of the Institute of Radio Engineers the following day from 1:30 to 5:30.

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 THE GREAT AMERICAN  
CUSTOM

Now that it's all over it doesn't seem too serious. We mean the attendance at the semi-annual meeting of the Credit Union.

How often in life things happen like that. We see approaching some ripple on our usually placid program of life and as it nears us the perspective changes, the closer it comes the higher it seems. Sometimes we watch it with dread but always we watch it helplessly. It finally arrives and we rise with it and then fall back, sometimes to the same level, sometimes a little above, sometimes a little below but always it comes and passes. When it is gone and we look back at it our perspective again changes and the farther behind us it passes the smaller and more insignificant it seems. How much of this life is lived in our imaginations. How great a part our philosophy of life plays in our contentment and peace of mind.

Some people's philosophy includes never doing ourselves what we can depend on someone else doing. City, State and National elections are a good example. Although we are personally governed by those elected so many of us feel that whether or not we vote someone will win and our vote won't change the picture. That may be true, but after a job is done, any job, isn't there a lot of satisfaction in knowing that we have played a part, however small, in its accomplishment. We see a great symphony orchestra of 100 or more pieces and there is no doubt that the man who may only beat a cymbal once during an entire overture feels that someday he'll get a chance to bang away to his heart's content and make himself heard above the rest. He doesn't say "What's the use."

Consider the Credit Union and the GRMBA. These are two organizations which should be of vital interest to everyone here. One safeguards over \$41,000 saved by us. The other benefits us when we are sick. Surely our savings and sick benefits are worth a few minutes of our time. Meetings are called and we say "What the heck. I've got to tear home to the little woman. Someone else will be there to vote for me." And so it was at the last Credit Union meeting when less than 15% of the members cared whether we declared a dividend or not. Less than 20 people cared enough about what became of over \$41,000 of their own money to attend the meeting. Is it because we don't care? The day after a meeting we scurry here and there to find out what happened AFTER it's all over and AFTER someone else has done for us what we should have done ourselves. It seems to be the Great American Custom but it is a poor one.

Oh well, it's over now. The ripple has receded in the past and is diminishing in importance. The thing has been done for us and placidity is again the order of the day. After the outing we'll crab about the food, the park, the sports and about everything else someone other than ourselves has worked for and planned and made possible. If you want a swell chance to criticize the time to do it is at the meetings and not afterwards.

So in the future when meeting time approaches why not say "Something may come of this meeting that will effect me and if it does I have a right and a duty to take part in it. It will only take a few minutes of my time and if that time will only lend confidence to those who are doing things for me I owe it to them and to myself so that they will do a better job."

Why not?

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Since 1936, General Radio has made 523,000 Type 274-800B pin plug springs which were made from 2,000 pounds of beryllium copper costing approximately \$2,500.

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Now that the coal bins are empty, paper cartons that have wood cut to stove lengths come in handy to keep the home fires going.

### LOS ANGELES NOTES

*(Continued from last month)*

The building was completed in November 1937, and "yours truly," under the guidance of Arthur Thiessen, took over the General Radio business on December 1 of the same year. General Radio in Los Angeles is taken care of by two individuals; a man from Cambridge, and a secretary. Miss Jane Derne, our present efficient secretary, is the third girl we have had in the last two years. The mortality is high out there. Together we manage to keep very busy with correspondence—accepting and writing up orders, and with the large amount of detailed work in connection with running a branch office.

The General Radio Office itself is about fifteen feet square with light green walls, white woodwork and wainscoting, and green carpet. The furniture is walnut, and the whole ensemble is very pleasing. Out here one has to go in for much more show and effect than in the East.

In addition to our decorative office, we have a small-sized stockroom where we store our parts and instruments for shipment. Complete shipping facilities are supplied by the Langevin Company. We have been very fortunate in securing the services of a Hollywood High School student to come in for an hour each afternoon to take care of the shipping, receiving, and mailing problems. Most shipments are made locally via United Parcel Delivery Service, although the bigger items are sent by Express which is picked up. Parcel Post shipments as well as the rather large amount of mail is taken every afternoon just before five o'clock to the local Post Office. Addison Brown is our current stockroom clerk; a very intelligent, well-mannered young man of seventeen years.

Now a word about the Langevin Company. Mr. Carl Langevin has been in New York almost constantly for the last two years. The Los Angeles Office of the Langevin Company is managed by Mr. Frank Pease. The Langevin secretary is Miss Muriel Rominger. Mr. Pease has an organization of seven men to carry on the work of the company, installing and operating large public address systems such as are used at the Los Angeles Coliseum, the Santa Anita Race Track, and the Hollywood Park Race Track. These are

Western Electric public address systems operating with about 400 watts of undistorted audio output. A crowd of more than 100,000 can hear every word perfectly. We thus have an opportunity through our connections at the Langevin Company to see some of the big events in Los Angeles from a favorable vantage point.

The Langevin Company rents space in their building to another company known as the World Broadcasting System, Inc. as well as to the General Radio Company. The World Broadcasting office is operated by Mr. Patrick W. Campbell and his secretary, Miss Rose Mary Arrigo. World Broadcasting sells time on the radio by means of Western Electric High Fidelity Vertical-cut transcription records. Thus, one can see that we have in this building three diversified companies, and subsequently, many different personalities all operating as one family. So far the arrangement has worked out very well, and any differences of opinion have been ironed out to the satisfaction of all concerned. We would like very much to have all of you stop at our Los Angeles Office and meet the western gang. As you enter the common reception room, located in the front corner of the building, you will see three pleasant secretaries symbolic of the three separate organizations which are sharing the Langevin building.

This brief report we hope will give you a little picture of our office layout on the West Coast. At a later date we hope to give you some interesting side lights on our customers in this area with perhaps some details about the movie studios.

Myron T. Smith.

---

"What's the idea of the Greens having French lessons?"

"They've adopted a French baby and want to understand what it says when it begins to talk."

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"The time will come," shouted the speaker, "when women will get men's wages."

"Yes," said the little man in the corner, "next Friday night."

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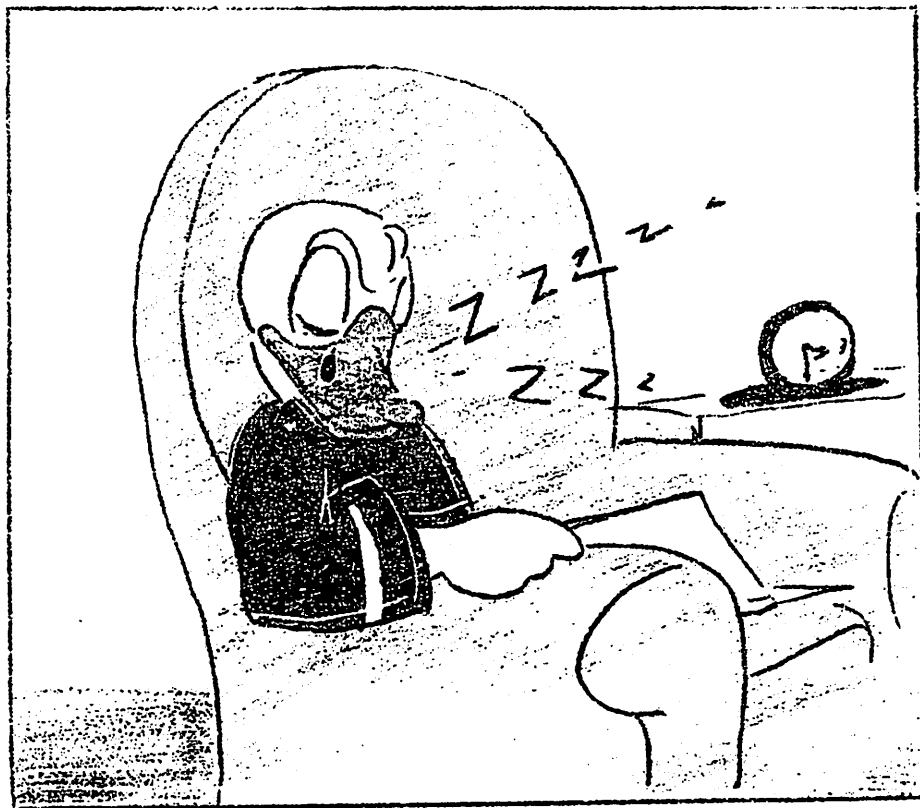
We fired the maid at our house. She handled China like Japan.

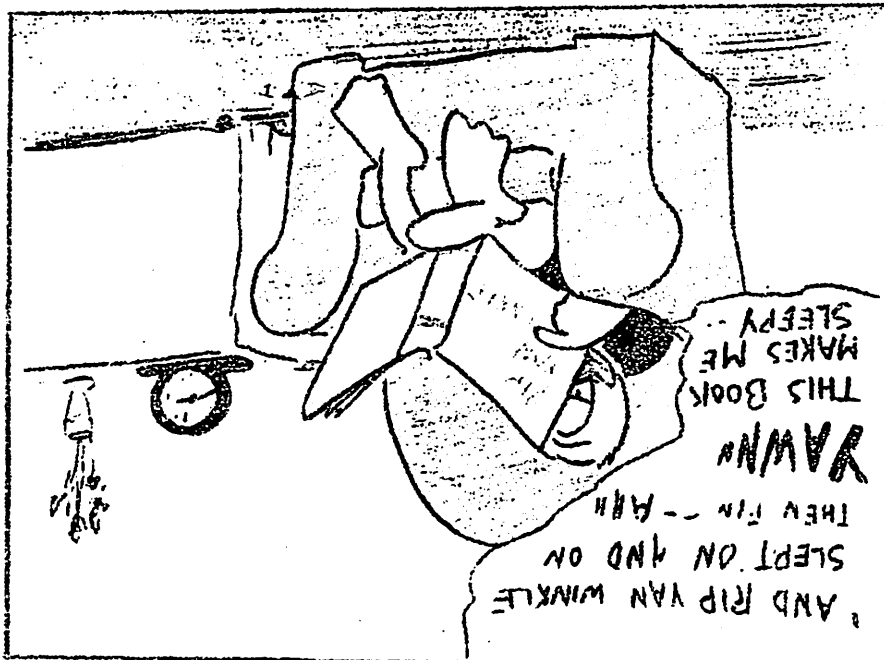
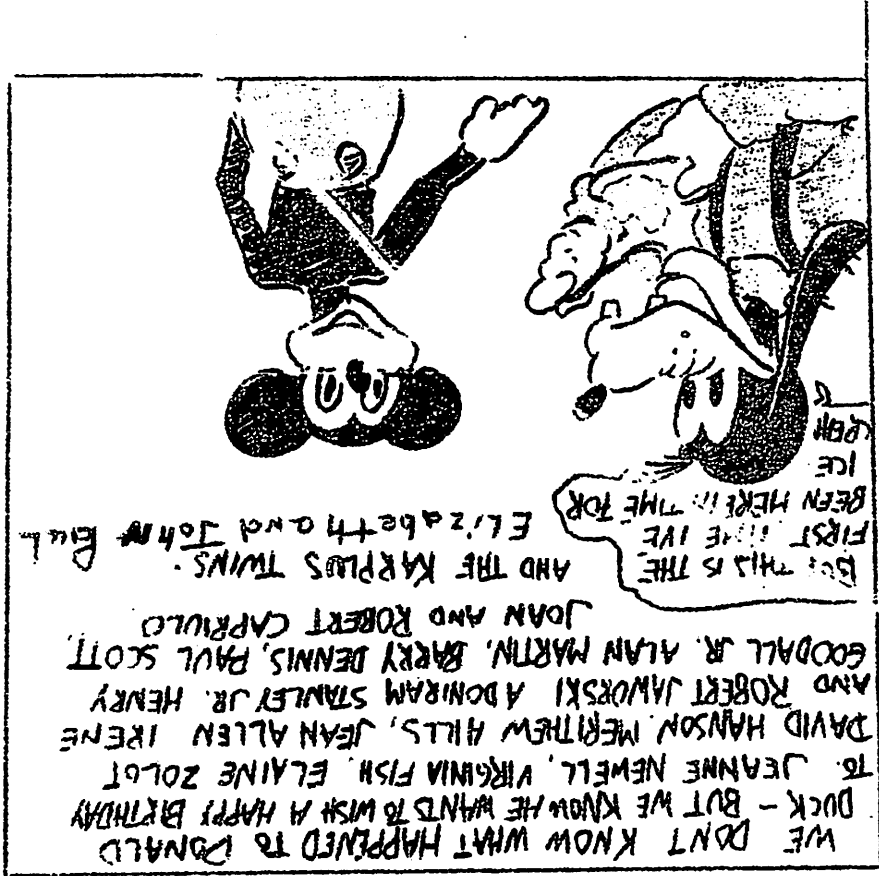


**YET**

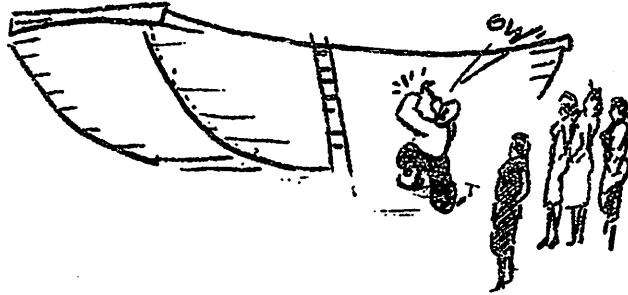
**ON A GOLF DAY ☐☐**





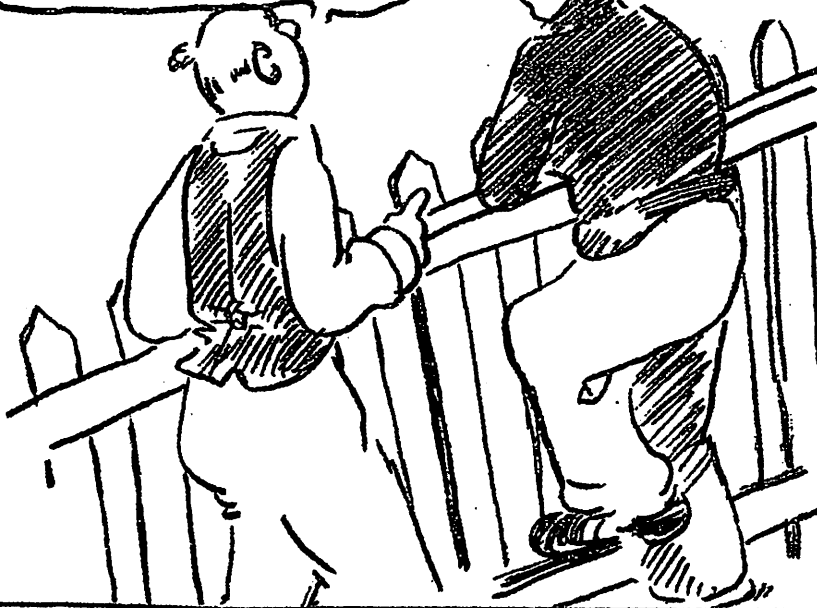


# NOAH 2<sup>ND</sup>



SO CLAYTON'S BUILDING AN ARK HUH? WHAT ARE ALL THOSE WOMEN DOIN'?

OH THEY'RE THE CHICKENS HE'S GONNA TAKE ABOARD!





# General Radio News

*Published by the employees of the General Radio Co., Cambridge, Mass.*

Vol. 2

JULY, 1940

No. 9

## OUTING NOTES

In trying to create something new to help the group enjoy themselves, the dance hall was hired for one hour in the afternoon and seemed to be quite promising as far as attendance was concerned. At one time, twenty couples were on the floor, and approximately 100 people were in the hall.

Although the day was cool, 262 adults and 97 children sat down to dinner at 12:30.

What was wrong with first base at the ball park? Warren Webster and Miss Dolliver took a spill.

Bill Lewis and his wife seemed to be enjoying themselves. They were seen going hand in hand through the park.

Seems as if Warren Webster arrived at the dance hall a little late.

We understand that Stan Larsen's fair guest at the Outing is quite proficient at heaving missiles at a dummy. Tread gently, Stan!

Game Winners:

Shirley Scott won hoop rolling contest.

Alvin Scott won 50-yard dash for boys.

David Martin's twins won the battle royal.

Fred Beck's Hoosier Hot Shots won soft ball game—12 to 9.

In the horseshoe contest Walter Bishop won first prize and Roscoe Frost second prize.

We understand some one at the Outing purchased a Chris-Craft but couldn't take it home.

Ruth Crowe bowled high in the two-string bowling contest.

Bill Marvin was high in the two-string, and Chet Starkey high in the single.

Department C won another leg of the Trophy. The team consisting of Hi Comrie, Fred Berthel, Warren Newell and Leon Scott.

Marshall Bibber won the 50-yard dash for men.

## NEW MEMBERS OF THE GENERAL RADIO FAMILY

Charles Ganss assigned to Department A, under Bill Fish. Ganss in addition to being a swell fellow, can tell a story or two about the days when he held a transport pilot license, and flew between Chicago and Detroit. Anyone interested in aeronautics will find Charlie helpful and willing.

Walter Young's familiar face is here again, this time working for Hi Comrie learning the art of making chokes. Walter has one more year to complete his course for B.S. degree at Bowdoin, at the end of which he hopes to become a teacher of mathematics in some secondary school.

Alan Harwood, assigned to drafting under A. Rohmann, is a Northeastern student of engineering. He likes General Radio very much and hopes some day to specialize in the high frequency field.

Marshall Bibber, who recently joined the production office group, is a graduate of Mass. Television Inst. and is also an instructor there.

Edmund Ogden, who is working in the finished stockroom for the remainder of the summer, enters his senior year at Harvard studying electrical engineering.

Miss Betty Richmond who has recently joined our stenographic force, graduated from Simmon's in June. Her home is in Squantum.

Edwin Houston, working for the summer in John Wade's department, is studying electrical engineering at Northeastern.

Sanford Peek Jr., has joined our organization recently being one of the first under our new MIT cooperative plan.

Henry Maling has returned to work in the laboratory for the summer after having completed a year at Harvard obtaining his Master's Degree. Henry has now received a scholarship for this coming year at the same university.

### BUSINESS

Thanks to one order of about twenty-four thousand dollars from the State of Pennsylvania, new orders for the first twenty-three days of the month total \$91,411.00, thus assuring us of another satisfactory month.

The continued successes of the Germanic armies have taken a further toll of our export business. Last month a list totaling \$134,000 of sales to lost countries in the twelve months before they were invaded was published in the "News". To this we must now add France, whose business has been running over \$40,000 per year. The entry of Italy into the war closed the Mediterranean and likewise lost us about \$40,000 a year of Italian business. It also put a stop to our Swiss and Egyptian business. In addition to the loss of the Italian business, the closing of the Mediterranean represents about an additional \$30,000 loss. Thus it will be seen that The Axis activities have deprived us of business amounting to about \$244,000 a year. It extends even further than this as all foreign trade has been curtailed. Our best year in the foreign field was 1937, when orders totaled \$476,421. In spite of the declaration of war on September 3, the 1939 foreign business was only 9% under 1937.

### LIBRARY NOTES

It has been occurring rather frequently that magazines and books disappear from the library with no clues to their whereabouts. We are not worried that they are gone permanently, for usually they turn up in time, but for the duration of their absence possible users are inconvenienced. This is particularly true of the new magazines on the rack, which should be used *in the library*. Perhaps everyone has got so used to the presence of the sign over the rack that he forgets it exists. It reads:

**PLEASE DO NOT REMOVE ANY  
MAGAZINES ON THIS RACK FROM  
THE LIBRARY.**

And another warning we have posted that is not always heeded is that on the flat magazine shelves to the right of the desk:

**THE MAGAZINES ON THESE  
SHELVES ARE TO BE BOUND  
AT THE END OF THE YEAR.  
WILL YOU PLEASE SEE THAT  
THEY ARE RETURNED TO THEIR  
PLACE?**

It is not difficult to sign a card, either the pocket-kind for the black box in the case of bound books and magazines, or the old-fashioned plain white card for the open box in the case of unbound magazines. *We like to know where things are.*

### THINGS I HATE

To discover that the 6 winks I took after the alarm have become 60.

To come down to breakfast and discover that I forgot to get that loaf of bread the night before.

Hitler.

To have a cop tell me on the way in that the red light I have always made a right turn on means "stop" and "let's see your papers."

To learn that the speed limit for thickly settled districts has not increased 10 miles an hour and you're still supposed to slow down at intersections and please "let's see your papers."

Hitler and cops.

To finally reach the yard after the bell and, swallowing a crest-fallen spirit, breeze into the department with a cheery "good morning" and hear a faint "Hi" from a corner.

To get a "touch" the day after pay-day.

To pick up the soldering iron to use only to discover I forgot to plug it in.

Hitler.

To find nothing on the dog-cart menu that looks good and have to settle for a hamburger.

To have the wife call up and give me a list of shopping to do on the way home.

Hitler and shopping.

To find that Junior beat up the kid up the street after school and his old man is coming over to see me after supper.

To try to finish a good book before going to bed only to have the "Little woman" call down so many times that it's awful late that I put the thing away disgusted.

Hitler and going to bed.

Hitler.

Hitler.

## PERSONALS

Mr. and Mrs. Charles Rice announce the birth of a son, Edward Charles 2nd., at the Richardson House on June 8th.

Mr. and Mrs. Harold Wilkins are receiving congratulations on the birth of a daughter, Sally Delancey, born May 29th.

During the past month H. T. Anderson and C. Whitehead have been transferred to the office group.

Charles Anton has received an appointment to serve on the faculty at the Waltham Trade School teaching shop mathematics, machine drawing and machine science. Charlie, well remembered here as a former employee of Department W and who recently joined the employment of the Polaroid Company, will commence his teaching duties July 1st. Congratulations, Charlie!

Joe Martin has been a patient at The Baker Memorial for the past few weeks following an operation for a carbuncle. We hope to see him back here soon.

It seems that certain residents of Belmont are afraid that the next unique idea will be a channel connecting Clayton's yard with Boston Harbor.

George and Alice Bickell and Jack and Ruth Lamson enjoyed a pleasant boat trip from Poughkeepsie to N. Y. C. via the beautiful Hudson the weekend of June 22nd. which also included a visit to the Fair, and we conclude from the Monday morning tirade, that George must have encountered a Nazi propaganda agent while in New York.

Howie Stockbridge says he'll never allow the top of his head to get sunburned again, as he has been unable to smile for a week.

Has anyone noticed the Westwood haircut Sidney Beck is wearing?

Big Sandy guzzles a quart of milk a day to help him grow. Moffat drinks tea.

Some of the boys thought that Old Glory should have been flying from our buildings on Flag Day.

It pays at times to know a hot spot or two. One of our boys was arrested for speeding and told his girl friend about it. She made him drive her to a certain beer garden and had the cop paged in the back room, and the ticket was fixed.

Mr. and Mrs. M. E. Eastham are spending the summer in Oswego, Oregon and are expected back in September.

Miss Helen Field, daughter of R. F. Field, graduated recently from Watertown High School with the honor of being co-valedictorian.

Miss Ferretti returned from her vacation, having visited Guatamala, Costa Rica, Panama and Havana.

Miss Cole just returned from a delightfully chilly week in the wilds of Maine.

Miss Mildred Halfmann was married to Mr. Martin Gilman at 8:00 P.M. on June 29. The ceremony took place at the Lutheran Church of the Advent, corner of Broadway and 93rd Street, New York City. A reception was held at the Hotel Astor following the wedding. The couple plan to leave on a Caribbean Cruise within a few days. Arnold Peterson officiated as an usher.

Miss Norma Petersen, daughter of Norman Petersen, who graduated from Stow High, delivered the valedictory address.

Carleton Eade of Department P was married Sunday, June 23 to Miss Mary B. Schatz at her home in Lowell, Mass. While in school she was a member of the Girl Officers Alumni of Lowell High School.

Maybe another feud is starting in the Lab. Chet Starkey and Herman Ausin didn't introduce those two Simmons girls to Bob Turner and Al Webb at the Pops concert the other night. Al and Bob don't speak to Chet and Herman now.

Speaking of contests—in each Lexington Grammar School there are awarded medals to the three members of the graduating class having the best scholastic standing for six years. These are called French medals, after their donor. There were seventy-six in the graduating class at the Adams School this year, and Barbara Anne and Jean Polley each received a French medal. Barbara Anne and Jean wrote the class song, and also wrote and gave the class prophecy. Was Papa Polley pleased?

Dr. Roy E. Mabrey spent several days this past month in New York City attending a medical meeting.

The office timekeepers are still trying to figure out how Stan Larson continues to show 9 hrs. work on an 8 hr. work card.

Cliff Gove has joined the campers this year. He bought a new head room tent and will soon sally forth to do battle with flies and mosquitoes. Good luck, Cliff.

Dinty Flint is now in the new glass blowing department. If you watch him for a few minutes you will see how the pretzel was discovered.

Paul Penney and his father-in-law are keeping bachelor quarters while Paul's wife enjoys a vacation in Detroit. Paul cooked one Sunday dinner and his description of the roast beef skidding out of the pan onto the floor is worth listening to.

Some of the boys think it would be nice if we could buy "ice cold tonic" in the ice cream salon.

Our contribution to the War Relief Fund of the Cambridge Red Cross was \$262.07. This was composed of \$210.00 in four checks, 2 Five Dollar Bills, 16 Dollars in ones and twos, 16 fifty-cent pieces, 48 quarters, 36 dimes, 36 nickels and 67 cents.

It is interesting to note that the Federal Wages and Hours Law will reduce the work week to 40 hours on October 24, 1940. General Radio is about six years ahead of that schedule, having gone on 40 hours December 12, 1933.

Old Uncle Ezry had been very much occupied all by himself over in a corner near the fireplace. He was working industriously with a stub of pencil and a piece of paper. Suddenly he looked up happily.

"Doggone," he exclaimed, "if I ain't learned to write!" Maw got up and looked over the scrawled lines across the paper.

"What do it say?" she asked.

"I don't know," replied Uncle Ezry, puzzled. "I ain't learned to read yit."

## FACTS CONCERNING INSTRUMENT RETURNS

From time to time, we are asked the question, "What is the expected life of a General Radio instrument?" Another question that is asked not quite so frequently is, "How often should an instrument be returned for reconditioning and recalibration?" The following comments will, no doubt, be of interest to many in the organization.

Many of our instruments are designed to give satisfactory service for at least five years and, in some instances, seven years. However, during this period, new designs may make instruments obsolete, but it is the policy of the company to offer modernizations to users of the older equipments, whenever practicable, at a nominal charge. Occasionally, an instrument is returned for servicing and, upon checking our records, it is found that it was sold as long as twenty years ago. Fortunately, most of such instruments can be completely reconditioned and restored to the original electrical and operating condition, but the cost is rather high.

## LIFE LINE

If you had been born in Rome during the time of the Caesars, the chances are that you would have been dead shortly after your twenty-fifth birthday.

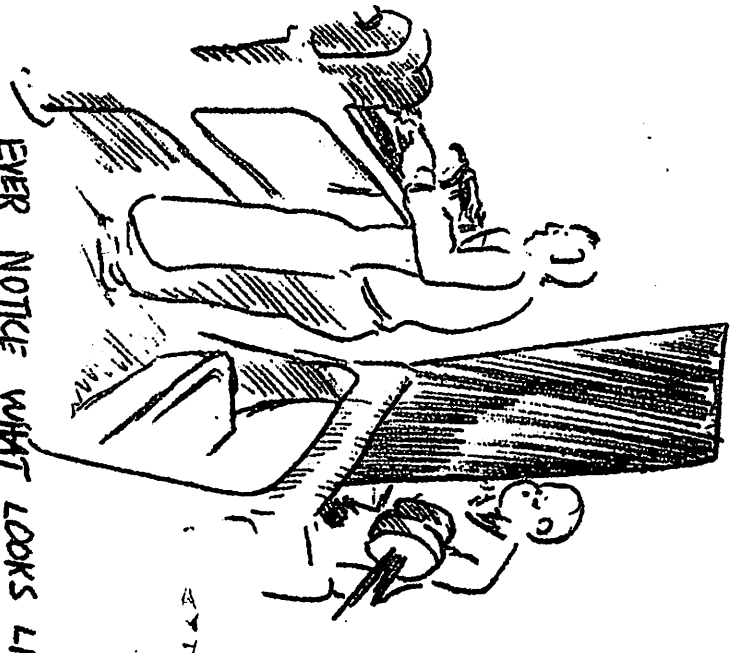
By the 17th century, life expectancy had increased to 33½ years. Two centuries later, in America, the average span of our white population was 49 years.

It is now 62 years.

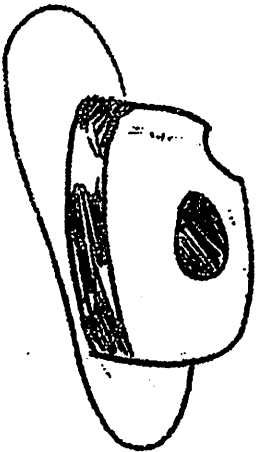
If this rate of improvement continues, in another four decades we will have 22 million people over age 62, with one out of six people retired instead of one out of 16 as now. The picture will be: two children, one retired person, three persons of bread-winning age.

We will have the largest population of elderly people that any nation has had since the dawn of time. Nearly one-half the voters will be over 50 and less than a quarter of the population will be under age 18.

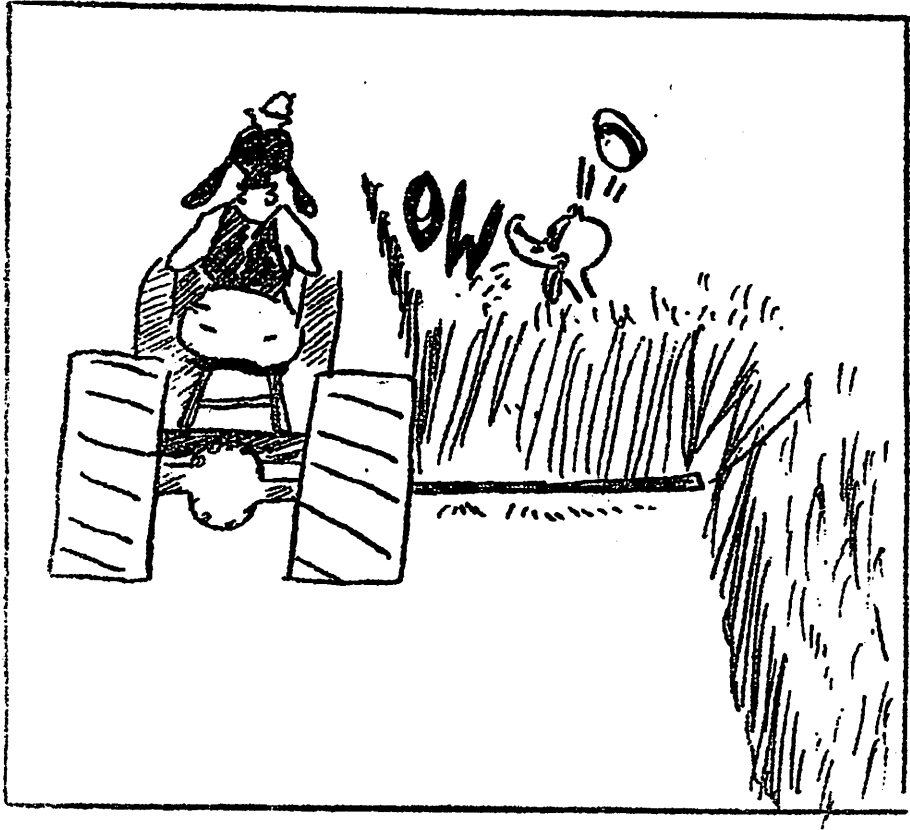
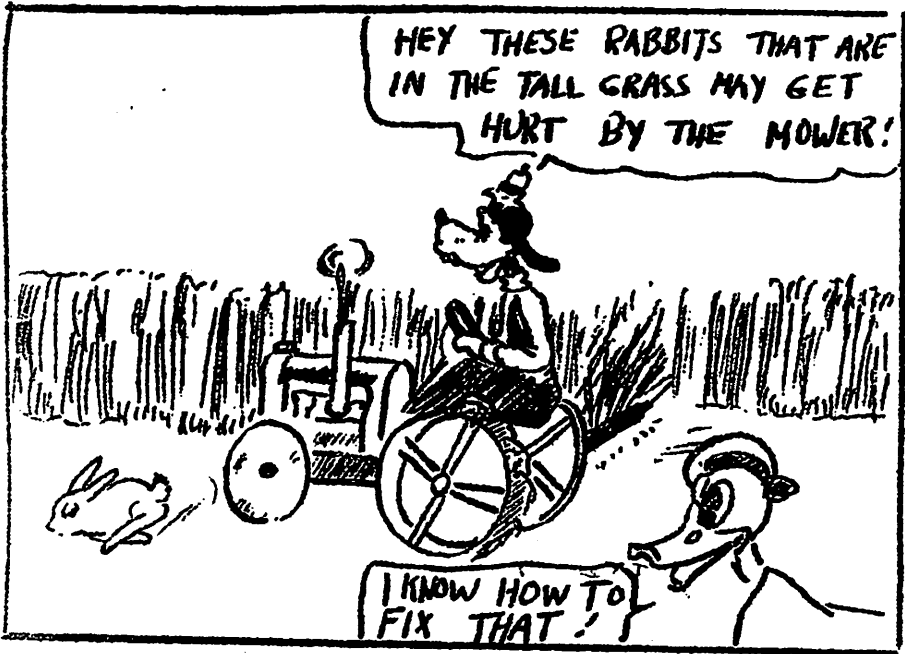
The sociological changes, political changes and economic changes this trend will bring are so vast as to be all but incomprehensible now. — The Postage Stamp.

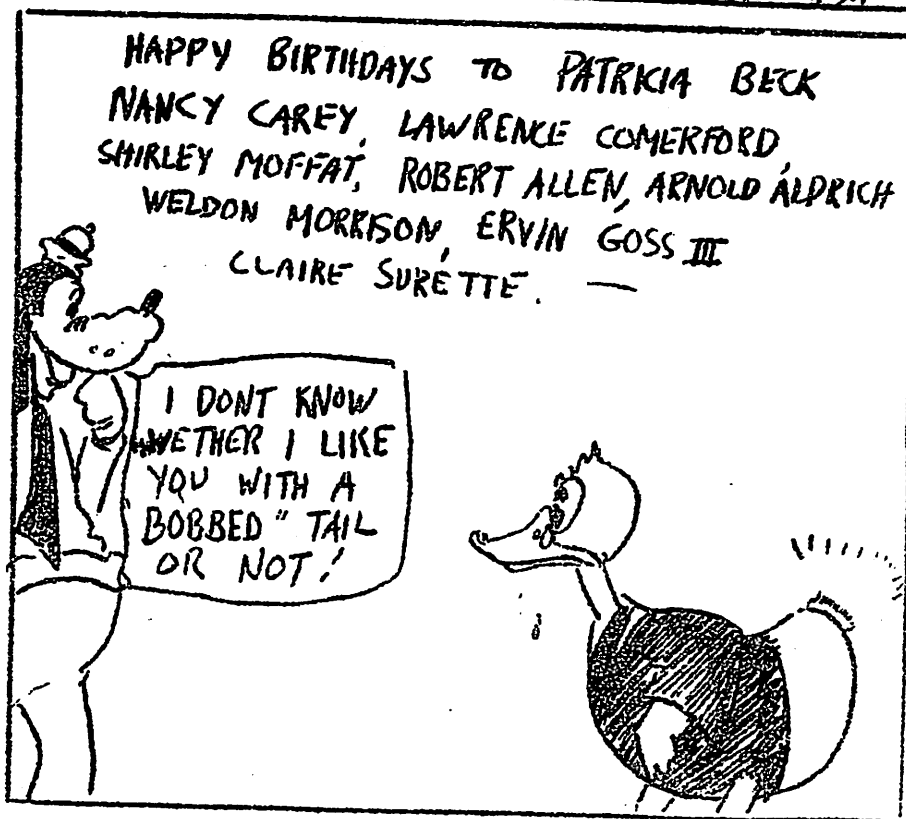
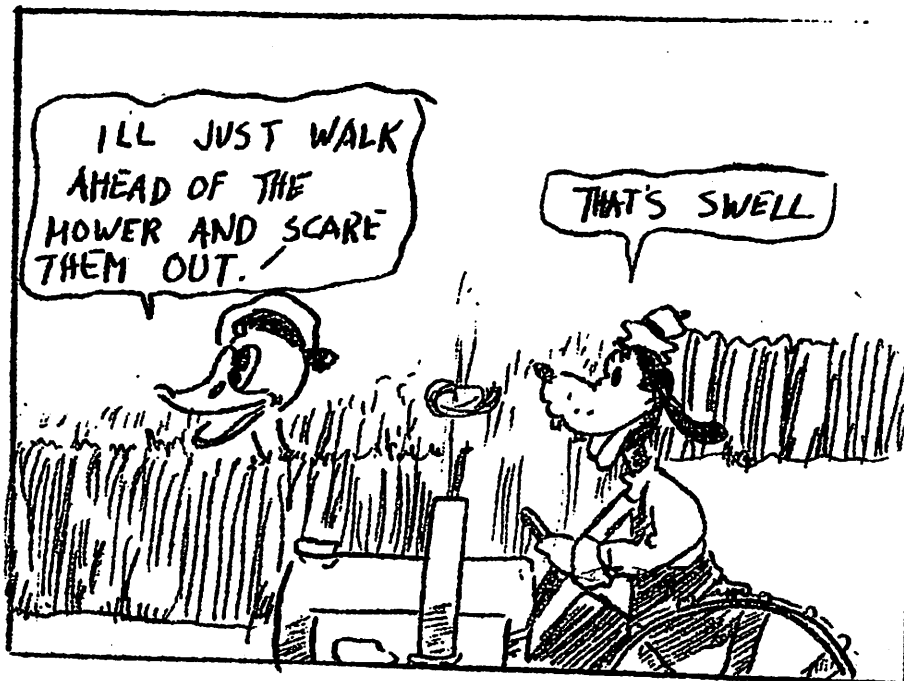


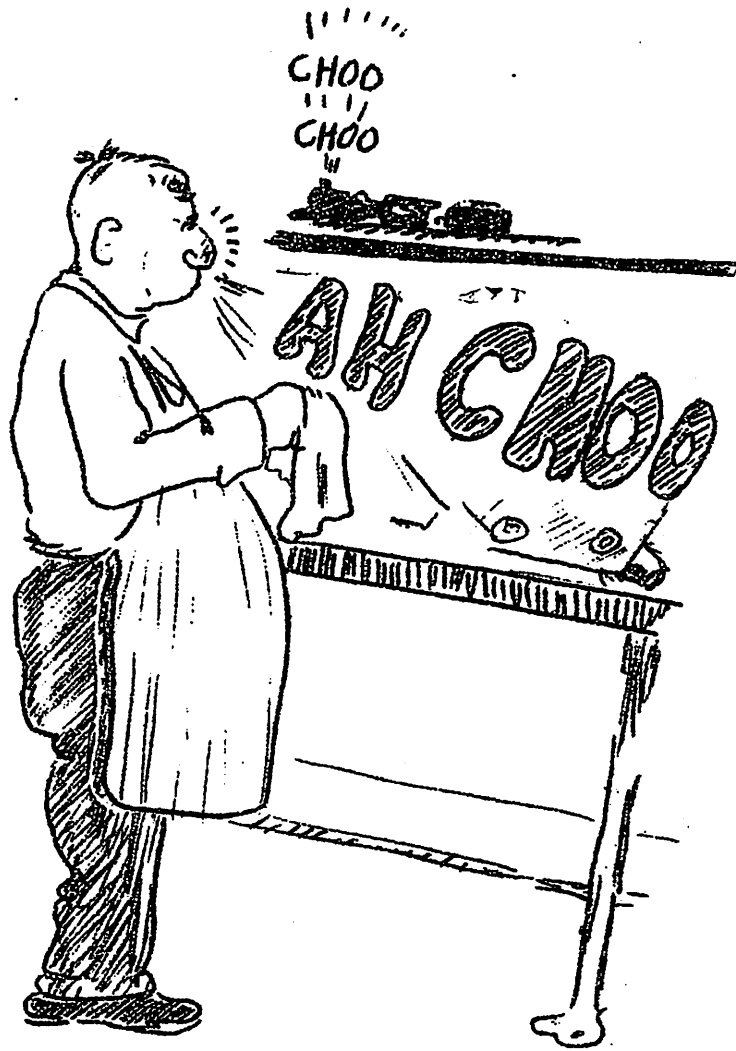
EVER NOTICE WHAT LOOKS LIKE  
A 'SPITE' FAKE BETWEEN "SHORTY"  
LEIGHTON AND HENRY,



ASK BOB LA PORT ABOUT A  
HAT LIKE THIS — NICE GOIN' FRANK .







OPEN SEASON ON HAY FEVER  
VICTIMS (POOR GEORGE)

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# General Radio News

*Published by the employees of the General Radio Co., Cambridge, Mass.*

Vol. 2

AUGUST, 1940

No. 10

## PERSONALS

Pappy Lewis receives much sage advice on the care and feeding of children from Poppa Rice.

Brother Wade reports that he has finally recovered from his ivy poisoning.

We suggest that Blake wear a fencing mask while he pursues his wood chopping hobby. Maybe he likes to split open his left eyebrow once a year.

The Engineering Department presented Mr. Martin (back from his honeymoon) Gilman with a Mixmaster. Hope he brings in samples of Mrs. Gilman's cakes!

Miss Carolyn Joy Lewis was born on July 4th. Her proud pappy is our old pal Everett.

Ivan Easton returns after collecting his M.S. from Harvard. He is assigned to the sales engineering gang, just now helping Charlie Wirthen with the new catalog.

Bill Dennis moved to his new home in North Reading July 2 which he purchased recently.

Dan Hunt went to the Cape fishing for striped bass around the first of the month. Although he didn't get any, the boys are wondering why because he inquired from a local fish market if they were catching any before he went out.

Walter Ritcey spent his vacation in his new trailer touring various places in Maine.

Al Chase still thinks tenting is all right but has decided this year to build a camp on the shores of Newfound Lake, New Hampshire.

Add Bob Ruplenas to our list of co-workers about to embark on the sea of matrimony. He plans to take Miss Bertha Pluta as his bride about Labor Day.

Herman Ausin is taking a course in photography. We wonder if its the camera or the fair co-eds that interest him.

Miss Catheryn E. Grant and Randall Alexander plan to have the nuptial knot tied on October 5th. They will make their home at 105 Langdon Ave., Watertown.

We are lucky to have Rudy Recke still with us. The car in which he was an innocent passenger went off the road on West St. hill in Needham Heights. The car went down an embankment, zig-zagged through some trees, with Rudy bouncing around on the rear seat and the floor and ended up about sixty feet from the road. Rudy ended up with some mighty sore ribs and a damaged camera.

The old salt Charlie Burke is hard at work again after two weeks of perfect sailing weather. That tan he is sporting is the real deep water variety. He sailed around Penobscot Bay and way stations on an 85 ft. schooner. His only regret is that his movie camera was not at hand when the fores'l went by the board during a blow. Read all about it in a coming issue of Life.

If, during our vacations, any of us have had an unusual experience or have seen something we feel would be of interest to others, why not let the editors know about it?

Walter Young has joined the Naval Reserve and sails for a month's cruise August 19th and will, after three months in Annapolis, be commissioned as an ensign next year. Best of luck, Walter!

A fellow in Department A was asked when he was going on his vacation and his answer was, "I am having it now, 'Crisco' LaPorte is out for two weeks."

Bill Fish, in the yard looking for a parking space, says, "I'll get a place to park if I have to take courses at North-eastern to do it."

Henry Anderson and "Jupe" Pluvius spent a couple of weeks together on the Cape. Andy came back on the short end much the worse for wear.

Joe Martin has returned home from the Baker Memorial Hospital. We hope to have him back with us very soon.

Jimmy Higginbotham has joined a reserve medical corps unit and is a member of a radio reserve corps unit also. Jimmy goes to drill once a week and says that's one way of getting out nights.

Chet Newell spent three days at the American Management Association Conference on Cost Reduction held in New York this month. Did you get over to the Fair at all, Chet?

Bill Marvin's eyes are bothering him again. He claims he is reading his morning paper over the shoulders of the boys about three deep and the strain is getting him down. One news hound can even read the paper upside down, claims Bill.

Chet Newell had a good golf score on the Portland links the other day. He would—who's to say no way up there.

Our friends Betty Dolliver and Clint Carlisle are planning to run in double harness. They expect to say their "I do's" along about the 12th of October. We wish them the best of luck and hope they will be very happy.

A perusal of the archives leads us to this interesting fact. The last pair of G.R. employees to team up for life were Marge and Merrill Hobart. This was fourteen years ago which shows that it takes history a long time to repeat itself.

Martin Gilman, of the Engineering Department, spent his vacation honeymooning in the Caribbean. Martin verifies the many stories of other GR cruisers who have told of the very interesting southern countries and says that it was a wonderful trip (of course he may have been biased). The Gilmans visited Kingston, Jamaica; Baranquilla and Cartagena, Columbia; and Cristobal, Canal Zone with a side trip to Panama City, Panama. Part of the voyage took in some rough weather but according to the story, at least, they were among the few good sailors who did not miss a meal (Martin said he wanted his money's worth).

## BUSINESS

As usual prognostication as to the future course of business is extremely difficult at this time. So far this month, however, with twenty-three days gone we have already written up \$93,000 of new orders, in spite of the fact that business entered on the books the last few days has averaged less than \$2,000 per business day. It appears, therefore, that July will be a better than average month, and considerably better than last July.

As an indication of the important changes that have taken place in our business since the war started, last year our foreign business averaged about 35% in dollars of our total business, whereas in June 1940, it was only 10%. The decrease in foreign business has been made up by increased domestic business primarily as a result of increased defense purchases by the Federal Government.

Drafting has been practically completed on a number of new items which are intended for the new catalog, and we already have a substantial backlog of unfilled orders. Consequently, there seems to be no danger of short-time operations even if business should not keep up at its present rate in the immediate future.

On June 27th, 150 members of Institute of Radio Engineers visited the plant and were conducted through the shop and laboratories. They were attending the annual convention of the Institute held this year in Boston.

## BASEBALL NEWS

It is with regret that the G. R. baseball management announces the disbanding of the team.

At the first of the season the club voted upon the question of whether we should continue in the Park Department league or should join an industrial league.

Several ball club managers of local concerns telephoned about that time and asked us to join their league; so we voted to do just that, reasoning that the players on such teams would be about our calibre, older men working all day, etc. When the actual playing season started, we found that the only time that these industrial clubs could play was Saturdays and Sundays so we were left out in the cold, no opponents and, worse luck, no fields.

The only field that we could get was Fresh Pond field and that, as all those who have played on it know, is a very discouraging field.

Our next worry was players. If all of the ball players in G. R. would have turned out for our games, we could have had a far different story on the score sheet.

As things turned out, we probably should have joined the Park Department league in the first place and early enough in the season so that we could have had good ball fields to play on. Also with a prearranged schedule, it would have been easier for the players to arrange their time to fit in with the time of the various games.

The management of the team wishes to thank each and every man, whether he played all games or one, for his support. We hope that next year, with a prearranged schedule, every ball player will respond and that the people of G. R. will become loyal rooters for our club.

D. J. Martin, Manager,

H. H. Dawes, Business Manager.

Professor's daughter: "Circumstances compel me to decline a marital arrangement with a man of such inferior pecuniary resources."

Student Suitor: "Er, ah—I don't get you."

Professor's daughter: "That's just what I'm telling you."

## STRAY THOUGHTS

Clothes make the man, and reveal how the woman is made.

When we have done our best, we may await the result without anxiety.

The pleasantest thrill, bar none, is finding a dime in an old pair of trousers.

If you can take defeat kindly, you are already on the highway to success.

A man does not grow wise as he grows old, but he grows old as he grows wise.

Nothing is opened more by mistake than the mouth.

They all laughed when I stepped up to the Piano. They didn't know I was from the finance company.

Happiness is like measles; you cannot have it without giving it to someone else.

The biggest disappointment is meeting someone we've heard so much about.

A college degree seldom hurts a chap if he's willing to learn something after he graduates.

A friend is a person who comes in when the whole world has gone out.

"The bravest man I ever knew," said the explorer, "Was the chap who took a taxi to the bankruptcy court, and then, instead of paying his fare, invited the driver in as a creditor."

They say hard work never killed anyone, but it has scared a lot of people half to death.

The hardest thing to do about making a speech is to know what to do with your hands.

Blessed are the poor; they don't feel much of a bump when they hit bottom.

A politician's greatest asset is his lie ability.

The good old game of love, says a novelist, is the same as it was thousands of years ago. Except that diamonds have replaced clubs.

Be thrifty and the government will tax you.

The only after-dinner speech that is assured of a big hand is: "Put it all on one check, please."

An Irishman was seated in the office of one of the city Officials, awaiting his turn. The attendant noticed he had a pipe in his mouth and politely informed him there was no smoking allowed there.

"I'm not smokin'," answered Tim leisurely.

"But you have a pipe in your mouth."

"Sure, I have. And I've got shoes on my feet but I'm not walking."

Clerk: "Can I have the afternoon off to go shopping with my wife?"

Boss: "No."

Clerk: "Thanks."

### FACTS CONCERNING INSTRUMENT RETURNS

*(Continued from last month)*

From records that have been kept during the past six years, it has been found that an average of 8 percent of the total number of instruments sold are either returned for no-charge service within the guarantee period of one year or have defective conditions remedied by correspondence and shipment of replacement parts. Much of the General Radio equipment is of complex design and construction and a fair proportion is shipped to countries outside the United States. This percentage seems quite gratifying, particularly when many of our instruments are shipped thousands of miles in various types of carriers. While we expect and look forward to a gradual decrease in this percentage, we can not hope for less than 4 percent, primarily because of difficulties with component parts of critical nature, such as tubes, thermostats, etc.

The other question is not very difficult to answer. Our instruments are guaran-

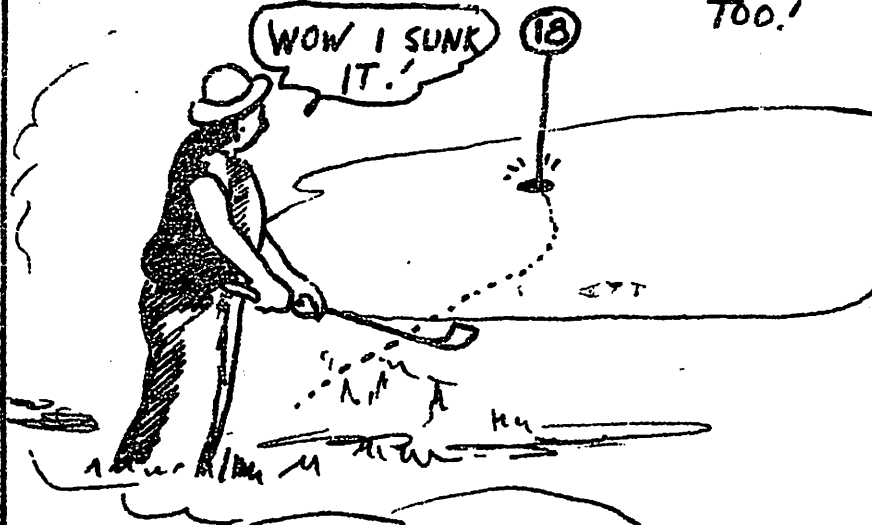
teed for a period of one year, after which, if any component parts other than power transformers or power filters fail, a charge is made to cover replacements. Although the calibration of an instrument is guaranteed for one year, it will, in many instances, be quite accurate up to two years. Every General Radio instrument perhaps should be returned after two years' service to be completely reconditioned and recalibrated. A year's guarantee is then made.

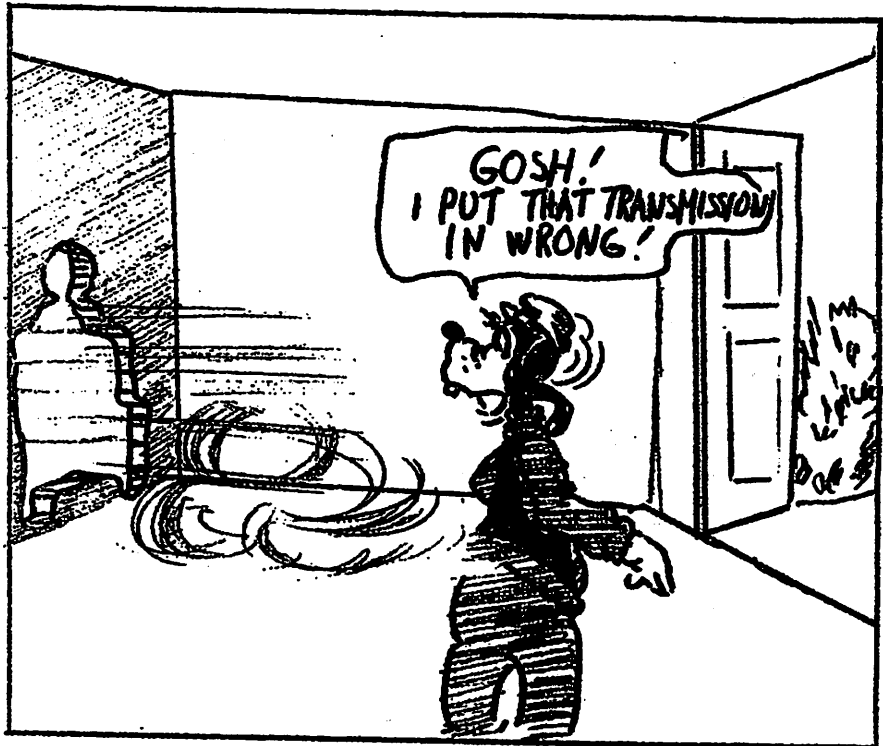
It is really surprising that an average of only 17 percent of the total number of instruments sold are ever returned for reconditioning and recalibration for which charges are made. No doubt many of our customers take great pride in possessing General Radio equipment and exercise special care in its operation and maintenance, thus eliminating return to the factory for servicing. It might also be that some customers can not return equipment because of necessity during busy periods and when the periods slacken, either have no further use for it or decreased budgets do not permit reconditioning. Some charge repairs are made within the first year due to damage by the customers, but the greatest number of instruments are serviced during the second and third years. The only exceptions are the Type 759-A Sound-Level Meter and the Type 631-A Strobotac, which are in more or less constant use in industrial plants and, because of their types of service, require conditioning almost every year. We expect from 50 percent to 75 percent of all the sound-level meters and Strobotacs that we have ever sold or will sell to be returned to the factory at some time for reconditioning and recalibration.

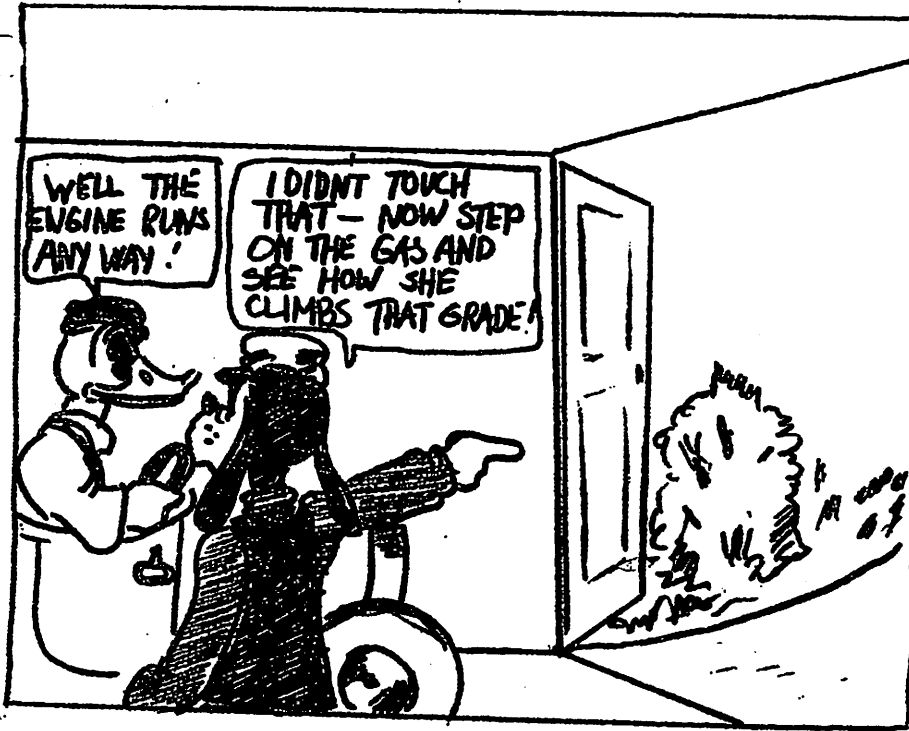
While no statistical comparisons have been made between our service requirements and those of kindred manufacturers, it is believed that the figure of 25 percent of all the instruments that are ever sold or returned for servicing, charge or no-charge, is quite low, more particularly when comparison is made with manufacturers of refrigerators, business machines, automobiles, oil burners, and even radios, in which cases practically every item sold must be serviced at one time or another.

# SPORTS.

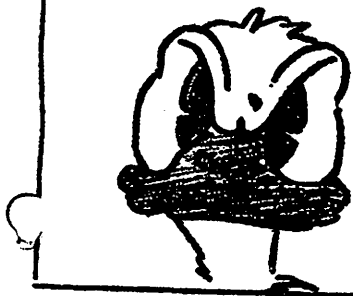
THE GOLF TEAMS ARE FIGHTING LIKE  
MAD TO GET AHEAD OF THE OTHER FELLOW —  
18<sup>TH</sup> HOLE WINS ARE QUITE FREQUENT  
TOO!







THAT GUY IS SOME MECHANIC - BUT WE ALL WISH  
HAPPY BIRTHDAY TO - MARCIA NEWELL, BILLY FISH,  
LAWTON JOHNSON, DUNCAN MOFFET, BARBARA HANSON  
RONALD CORKUM, WILLIAM REGAN, FORD DENNIS  
JANET REGAN, NORMAN MARTIN, IRVING ANDERSON.  
BARBARA CORKUM, DAVID DAVIS GEORGE SURETTE JR.  
HELEN WOLFRUM. -



# VACATIONS

THERE'S THEM THAT'S WENT —



LET'S SEE, NOW!  
THERE'S 365  
DAYS IN A YEAR  
AN I GO ON MY  
VACATION IN  
ABOUT 52  
WEEKS. —

AND THEM THAT'S GOIN' —





# General Radio News

Published by the employees of the General Radio Co., Cambridge, Mass.

Vol. 2

SEPTEMBER, 1940

No. 11

## PERSONALS

Here is a list, in chronological order of the G. R. romances that resulted in matrimony. This list is compiled after arduous study of all available records of the subject, so we believe it to be reasonably correct. Miss Doris Ballard and Mr. R. S. MacArthur; Miss Florence Hoefler and Mr. H. B. Richmond; Miss Marion Roberts and Mr. Gardiner Crafts; Miss Marjory Nobbs and Mr. Merrill Hobart; Miss Eleanor Clapp and Mr. Lawrence Arguimbau—pending; Miss Betty Dolliver and Mr. Clint Carlisle—pending.

Our own Eleanor Clapp and Larry Arguimbau intend to middle aisle it. They plan to have the knot tied on September 7th in Philadelphia. Miss Clapp left G. R. on August 30. We wish them a long and happy married life. They will make their home in Cambridge.

When a confirmed woman-hater like Argy falls it is NEWS. He used to say "Bah! Females! What good are they." He is not following the advice he gave us when we were planning to take the fatal step.

Dick Dennis left on his vacation August 30. He plans on a trip to California to visit with friends and relatives, expecting to be with us again October 7.

Eight of our group started August 16th for the Grand Lakes in the northern part of Maine for a two weeks fishing trip. Dave is not with the gang this year, he having decided on some mountain climbing in the White Mountain Region with his three oldest boys.

Miss Eleanor Clapp was tendered a shower by the G. R. girls at the home of Lucille Purdon Wednesday evening, August 28. Several of the young ladies were unable to attend being away on vacations. Many lovely as well as practical gifts were received.

The News Staff would like to know why their Editor-in-chief arranges to take all his trips, vacations, etc. at the time the News goes to press. They do not accuse Pete of shirking his duty but they would like to have a reasonable excuse for his actions.

Charlie Worthen and John Blake are recovering from their rhus dermatitis (poison ivy to you.)

We understand that John Wade and his wife were parking somewhere in Braintree recently. Their enjoyment of the cool evening breezes was interrupted by an arm of the law who requested them to drive on.

Wonder why some of the boys mispronounce the names of fellows with whom they have been working for years. They would like to add an "s" to Field, Searle, Park, and Chute (which has no "s" anywhere.) Holm is pronounced just the way it is spelt, Bousquet and Henuset should be pronounced Buskay and Henusay. Two of the most difficult are Adrian and Fortis which should be pronounced Pete and Bill.

The creaking you hear around the Lab. lately is the result of a roller skating party at Nantasket. The affair was instigated by Al Webb who chaperoned the party consisting of Henry (I want a sailboat) Maling, George Klemn, Bob Ruplenas and Charlie Cady. Paul Litchfield went along to watch the fun. George became tired while skating backwards so he sat on a chap who had bent over to fix his skate. Henry was not very successful in his attempts to skate backwards. Each trial landed him on the floor. He persevered but was so tired that he had to stretch out on about fifteen camp stools and sleep all the way home.

I. Wambold while away on his vacation stepped on a rusty nail, which made his last week very unpleasant though he returned to work the following week.

The following paragraph referring to the left-handed golfers championship, was taken from the Boston Herald of August 23. "Mr. E. H. Locke of Lexington supplied the only upset of the day when he tipped over Griff Fallon of Wollaston, a former champion and runner-up in the medal round, 3 and 2, with a medal score of 84. Fallon was unsettled by the loss of several of his clubs over night."

One well known person is wondering if Mr. Locke has any left-handed clubs to be disposed of.

The Lab. crew had a dinner party at Herman (photographer) Ausin's house recently. The self invited guests were: Ed Fuller, who instigated the affair; Ivan Easton, Weldon (where are my shoes) Morrison, Chet Starkey, Bob Chaffee, Merrill Hobart, Henry (which end of the needle is the point) Maling, Rudy Recke, Charlie Cady, Bob Ruplenas, Randall (bridegroom to be) Alexander, and Paul Litchfield. The dinner consisted of a choice of fried clams or lobster salad with all the fixings topped off by blueberry pie. There were no complaints about the meal.

It is reported by a usually reliable source that Hobe won the eating contest with Henry a close second. The ball game was very popular when the time came to wash the dishes. The boys were entertained by Charlie Cady's movies and Bob Chaffee's colored slides.

The party was mighty expensive for Ed. Fuller because the movies were so good that the bug hit him and now he has a camera and projector.

Big Sandy returned from his vacation to find that thieves had broken into his home. They had covered the floors with burnt matches, emptied bureau drawers, and generally ransacked the place. Fortunately they overlooked many valuable articles and the only thing missing was a revolver. An item of this sort in our local paper, "Mr. and Mrs. So and So are enjoying a pleasant vacation at Mud Lake" is an invitation to the sneak thief.

## CASH AND CABBAGE

The other day we listened to a verbal blitzkrieg on the exorbitant charges made by the G. R. Credit Union for the use of "other people's money." The evident concern of the gentleman amused us no end because not only was it unfounded but we have listened to the same criticism time and time again. It's the same old story that a guy with a lot of dough must be guilty of dirty work at the cross-roads. "The guy" in this case must be the Credit Union which is made up of and managed by every member so, if the gentleman's contention is correct, all the members of the Credit Union must be guilty of nefarious negotiations.

The gentleman was so convinced that we are unduly hard on the borrower, only in this case the gentleman has never borrowed but is apparently carrying the torch for us all, that we thought perhaps we may not be doing right by little Nell. Always willing to admit of an error, we decided to take a look at the records and see what's going on.

Analyzing the last 100 loans we find that we had loaned a total of \$12,923 for an average period of 44 weeks and at a total cost to the borrower of \$577. 7 out of every 10 loans are written for a period of 50 weeks. This money was loaned at the rate of 5% discounted. The word "discounted" has always been considered the root of all our evil but for simplicity of collection it is obvious that this method is superior to any other. Of course, as a partial rebuttal, may we say that refunds on prepaid loans are figured in the same manner. This amount of money borrowed in the same small amounts from advertised loan agencies for a period of 10 months would cost at least \$2132 at the legal rate of 3% a month on unpaid balances or about \$1048 at the "new reduced rates". "But," says the gentleman, "I can get a loan from a bank in town for 5% straight interest." We may answer by saying that if the application was accepted, and they are much more critical than we, isn't the time and bother involved to say nothing of the carfare and money order expense worth something? Does any bank you know of have the same pick up and delivery service we have? Are lending

agencies as lenient as we are when the borrower is out sick and the loan payment may well be used for a better purpose? Does any bank give one hour service as we do when the need is urgent?

What do we do with all this money we earn on our loans. Looking at the Profit and Loss account for the last 2 dividend periods we find that for every dollar charged borrowers as interest 77 cents were paid back to the members as dividends and 17 cents were added to the Guarantee Fund and the Undivided Earnings accounts which, in the event of dissolution of the Credit Union, would also be paid to the members. Due to unusually low overhead only 6 cents of every dollar earned were charged to expense. May we mention here that the result of an extensive survey conducted recently by the Farm Credit Administration indicated that the G. R. Credit Union, yes, that's us, showed the lowest operating expense and the highest ratio of dividends of any Credit Union examined. So you see that while it may seem to some that we charge a lot we also give a lot back.

We like to discuss things with people who are really interested and who like to find out the facts before they form an opinion. They say that wisdom oft comes from the mouths of babes but never from the heads of cabbage.

While we were digging up the preceding data we came across some other interesting facts which, if you can spare a minute, we'd like to pass on. These figures are gathered from business transacted from Oct. 1, 1939 to July 31, 1940, during which time we wrote the 100 loans mentioned above. We found that people borrowed money for the following reasons:

Tuition and household expenses	22
Auto insurance .....	16
Medical and hospital expense ....	13
Real estate improvement .....	12
Taxes .....	12
New cars .....	11
Repairs on cars .....	6
Clothes .....	4
Vacations .....	3
Mortgage payment .....	1

Forty-five of these loans included rewriting unpaid loan balances amounting to 25% of the total principal and to obtain new money. \$99 was refunded for this rewritten indebtedness.

We may mention in passing that our ratio of loans to shares was one of the smallest examined in the forementioned survey. It is not uncommon among Credit Unions to accept as shares from members no more money than may be loaned plus a small amount of cash on hand. It is true that this increases the dividend rate but tends to discourage savings which we have never considered a good practice.

For every dollar payment on a loan \$2.41 were paid against shares. A wise plan practiced by some is to continue making the same weekly payments on their share account that they did on their loan after the loan has been paid up, the theory being that they got along all right paying back the loan so they should get along equally as well saving the same amount and eventually they wouldn't have to borrow.

For every dollar borrowed \$1.78 were withdrawn from share accounts. Theoretically, based on the past interest charges, these members saved themselves about \$1028. because they saved before they spent. We won't mention the amount of dividend these shares earned before withdrawal.

We firmly believe that the Credit Union fills a definite need in that it not only provides a convenient and safe repository for surplus funds but that it offers a source of ready cash when you need it most. The amount of money it may save a borrower is secondary to the service it renders each and every member.

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Burglar: "Let's figure up and see how much we made on this haul."

His Pal: "Shucks, I'm tired. Let's wait and look in the morning papers."

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Somebody asked a college profesor how science helped business and he replied, "What would the suspender business amount to without the law of gravitation?"

### BUSINESS

Again we have been fortunate in receiving a large amount of domestic business during the current month. This has replaced the lost foreign business. Through August twenty-fifth new orders received total \$104,000; thus the prospects are certain for an excellent August.

Note—Average of 4750 piece rates are set each year, this amount of course varies depending on amount and type of business being done in each period. During 1940 with the introduction of many new instruments to the line, plus government contracts, should increase the number of rates set, this year to an amount well above the average.

Roughly 80% of rates set pay premium with an average return of approximately 25% above top day rate in departments, with an individual variation in return from a low of 2.5% to a top of 45%.

This of course is set up on individual average bases and some jobs have paid a return in excess of 45%.

	1937		1938		1939	
	Jobs per job	Average time	Jobs per job	Average time	Jobs per job	Average time
Dept. A	865	33.4	909	30.3	927	28.3
Dept. M	3450	6.6	3217	6.0	3909	5.5
Dept. T	320	9.9	86	15.6	172	13.5
Dept. TS	538	6.2	456	7.2	552	6.5
Dept. C	975	13.1	1097	8.9	1142	7.1
Dept. C (Cond)	91	17.1	79	16.5	98	14.9
Dept. W	436	24.2	653	12.2	526	16.7
Dept. WT	261	18.1	368	12.4	455	11.1
Dept. WR	219	11.7	213	7.0	289	6.8
Dept. WV	217	29.4	214	27.9	301	27.6
Dept. E	465	7.4	505	3.8	541	5.8
Dept. D	220	9.3	324	8.3	205	7.8
Totals	8057		8121		9117	

### STRAY THOUGHTS

"Here's something queer," said the dentist who had been drilling into a tooth. "You said this tooth had never been filled, but I find flakes of gold on the point of my drill."

"I knew it," groaned the patient. "You've struck my collar button."

A man of vision is usually one who sees things the same way you do.

Friendship is a plant that one must often water.

Take care of the pennies and the government taxes will take care of the dollars.

Bad officials are elected by good citizens who do not vote.

Tears are the water power and laughter the wind power which turns the machinery of life.

We are as big as the things that annoy us.

The trick in being contented is to buy one model and never read the advertisements of the others.

### MORE TRUTH THAN POETRY

Design us an engine the head men say  
And it's got to be built in such a way  
That if it should stall or fail to start  
The dumbest mechanic can take it apart,  
Can just lay it down on an ordinary bench  
And do the whole job with an old Stillson wrench.

Make the parts as simple as they can be  
So they'll all interchange with a model T.

And cost is a factor to keep in mind  
So eliminate gadgets of every kind.  
But much as it goes against the grain  
There are certain things you must retain:

The dual ignition, the oversize sump,  
The hydro control—and the vacuum pump.

And one thing more—(now don't get mad),

A supercharger you'd better add.  
It must run on the cheapest of gasoline,  
Or better still, on kerosene.  
And three thousand horses it has to show  
With an oil consumption of zero.

And there is something else I forgot to say—

The date of delivery is yesterday.  
And on second thought, there's one thing more—

It's got to be sold in a ten cent store.

# General Radio News

Published by the employees of the General Radio Co., Cambridge, Mass.

Vol. 2

OCTOBER, 1940

No. 12

## REMEMBER

When the General Radio Company had only one floor in the building now occupied by the Mayflower Lunch on Massachusetts Avenue?

When Mr. Eastham used to dig down in his pocket to pay for C.O.D. shipments received?

When Mr. Shaw was the bookkeeper and laid the foundation for our present system?

When Mr. Shaw heard of a young fellow named Eastham that could surely answer any question he might ask regarding variable air condensers, and thus started an association that still exists?

When Walter Sherwood was shop superintendent?

When Al Lufkin was office manager?

How Mr. Locke shortly after A.C. sets came in used to walk around the huge pile of condensers stored on the third floor of building No. 1 with a dubious expression on his face?

When P. K. McElroy was a youngster out of college?

When Charlie Carey was foreman of the winding department?

When H. B. Richmond wore bow ties?

When Doris Hall was switchboard operator?

When Bob Patterson was a condenser maker for Comrie?

When Chet Newell made rheostats?

When Bill Regan set rates?

How Bid (Baron Munchausen) Allen had an experience to relate for each day of the week?

How quiet and sedate Bill Fish was in his youth?

When Arthur Rohman had a *real* accent and called Thursday "Pie di?"

When Ray Searle was a young whipper-snapper out of school?

When Knute Johnson was practically the production department?

When we wondered what we would do with all the extra room in building number one?

When Hollis worked on B-eliminators?

When Bill Grove worked in the gas house?

How good Gardy Crafts could imitate a drunk?

How easily Spike Speigle would get excited and begin sputtering?

How Tom Linton blinked his eyes?

How sore Andy MacDonald got when someone mentioned how his wooden leg was stolen one night?

## FORMER EMPLOYEES

"Ferd" Schaller, who formerly worked in various departments throughout the shop is now in Washington, D. C., as a sales and service representative for Pica X-Ray Corporation.

Tom Morse is now maintenance engineer for a large bakery in Dover, N. H. Tom is a former member of the laboratory group.

R. S. MacArthur, who used to be employed in our sales group, is now a sales representative in this territory for Tung-Sol Lamp Works.

Carroll Swift, now sales representative with Rust Proofing Corporation, was at one time an employee in the production office.

Jack Lamson, formerly of Bill Fish's department, is now managing Leo Kaplan's Dairy Farm at Sheffield, Mass., having 100 head of milking Holsteins.

Wallace Battison, formerly of Dave Martin's department, is now working on special production for the National Company of Malden.

Ex-department C, Worthy Beeler is now an army recruiting officer stationed at Yarmouth, N. S.

Former superintendent A. C. Zwicker now runs the Zwicker Sharpening Service in Arlington.

George Musgrave, who left us to work in an aircraft factory has returned and is now working in the Watertown Arsenal. He has also moved his family from Arlington back to Natick where he formerly resided.

We would like to continue this ex-employee column; so please let us know about other old timers.

### GOLF

The G. R. golf season is rapidly drawing to a close. The team matches were completed on September 14th with the team of E. H. Locke, Paul Penney, R. J. Patterson, and Carl Erickson in the lead.

The individual handicap tournament this year had only eight contestants entered because of the frequency of Saturday work. The final of the tournament will be at Lexington on October 5th between E. H. Locke and A. W. Cleveland.

### PERSONALS

Arthur Edgcombe is at the Baker Memorial for an operation. Those wishing to visit him may do so between the hours of 2:30 to 3:30 P.M. and 7:30 to 8:30 P.M.

The wedding of Miss Maryan Dunlap of the accounting department to Mr. Shirley W. Packard was held at the Mt. Vernon Congregational Church, Saturday, September 14th. Several girls from the office attended the wedding. After a honeymoon spent in the mountains the Packards will be at home at 116 Riverway, Boston.

Elton Chase, who works for Fred Howland, recently purchased his first car. Nice going, Al.

Joe Lanza finally made up his mind as to what type of outboard motor he wanted and purchased a Zephyr 5 H.P.

Thirty-three of the boys attended a stag party at T Wharf Inn given for Randall Alexander, Duane Carlisle, and Robert Ruplenas. Everyone spent a very pleasant evening.

Can anyone beat this record? Chris Peak got out of bed at 7:42 one morning, put on his pants, shirt, socks and shoes, (we didn't say how) jumped in his jalopy outside the Tech dorm, and punched in on Andy's clock at 7:49. Incidentally he is the fire chief of his frat house.

Of interest to many will be the fall wedding of Miss Agnes R. Sliney to Alfred H. Parlee on Nov. 2.

There has been a great rush of fishermen to the Cape Cod Canal lately. This is a result of the snapshot of Ed. Parssinen's striped bass that was displayed on the bulletin board.

D. H. Chute wishes to apologize to all those poor unfortunates who smoked his father's day cigars. He tried one later himself and it was terrible.

The birth of Charles Clifford Chute on September 12 disbanded another chapter of the Skeptics Society (apologies to P.K.).

There has been a burst of kodachrome slide activity in the Lab. lately.

Have you-all seen little Willie Hart's new tin lunch box? "Verum cute."

Bowling got underway Sept. 24th, at 5 P.M. at the Central Alleys, with 10 teams of five men each. The spirit of competition is high and we expect to see some past records broken this year.

Russell Hatch, formerly of Searle's department, left the company employ Friday, Sept. 13 to study for the ministry at Tilton Academy. A purse was presented to Russ upon his departure.

The last card from Dick Dennis was from Kingston, Arizona. He planned on spending three days at Yellowstone National Park.

Something was seen speeding through the Lab. one morning recently. Upon closer examination, it was found to be Henry Maling on roller skates.

We understand on good authority that there are approximately 7000 panes of glass in our main building.

We heard Paul Hanson moaning about the replacement of 123 panes of glass in the garage.

In order to handle with greater efficiency our increasing sales, especially in the mid-West, several moves are being made in the Engineering Department.

Around the first of September, Luke Packard left for New York with his family, and boat, to take charge of the New York office. Soon after Packard arrived, Fred Ireland returned to Cambridge for a week to catch up on the latest news at the home office. He is now on his way, with his family and new Buick, to Los Angeles, taking the motor trip as his vacation.

Some of our readers may be interested to know that the following are active Reserve Officers of the U.S. Army: Harold Wilkins, Captain of the 305th Chemical Regiment; Duane Carlisle, First Lieutenant of the Coast Artillery; Randall Alexander, Second Lieutenant of the 94th Signal Company.

The height of something or other: The fellow who buys a quart of milk outside, and uses the new refrigerator to keep it cool until noontime.

Add these to the list of often mispronounced names: Thiessen should be pronounced Teesen; Sinclair should be pronounced Sinkler.

English Professor: "Mr. Gish, correct this sentence. 'Girls is naturally better looking than boys.'"

Freshman Gish: "Girls is artificially better looking than boys."

Mother: "That brazen Miss Vamp borsts that she had been kissed by every married man in town except one!"

Father (absently) "I wonder who he can be."

Notice: Sometime this month there will be news boxes placed on each floor for the convenience of those who wish to contribute articles. Please scribble your notes on a piece of paper and we will do the rest. They do not have to be signed.

## BUSINESS

Although not as energetic as the last three months, when orders for each month were approximately \$130,000, the current rate still remains satisfactory. With just over two-thirds of the month gone new orders now total \$71,000, thus indicating that the month should cross \$100,000, which is close to the capacity rate, particularly if allowance is made for special Government work now in process.

### ANALYSIS OF ORDERS

An analysis of G. R. orders received during the month of August yields the following information.

80.6% of total orders were domestic and 19.4% foreign. This, as compared with two years ago, when the proportion was approximately two thirds to one third, indicates the extent which our foreign business has been reduced. The invasion of France was the turning point and since that time foreign business has varied between 10 and 20% of the total. With the exception of an occasional sizable order from Russia, the only European country with whom we are doing any amount of business is England.

Incidentally, orders going to Russia are now routed across the Pacific, through the Russian port of Vladivostok and then by the Siberian railroad to the industrial section of Russia—a distance of approximately thirteen thousand miles as compared with the usual Atlantic route of about six thousand miles.

What few recent orders we have sent to Finland and Sweden have been shipped to the far northern port of Petsamo which is reported to be three hundred and fifty miles from the nearest railway terminal.

When classifying domestic customers, we find that the three largest classes in order of dollars of sales are Radio and Television Manufacturers, the United States Government and miscellaneous Electrical Manufacturers. Broadcasting Stations come sixth on the list.

Domestic business divided by sections indicates that slightly over 85% of the total domestic business is done with customers in the northeastern and north central section of the United States.

**STRAY THOUGHTS**

Year by year and month by month the experts become less helpful.

Those who like change are now getting plenty of it.

Does every insurance man look with grave concern upon the financial and family affairs of every prospective customer?

Yesterday's problems were bad enough, but today's are worse.

In reading, we frequently encounter passages that we're confident the author didn't understand when he wrote them.

The irony is that so often we have to undo tomorrow what we did today.

In estimating personal expenses, we usually are too optimistic about laundry and dry-cleaning, and we always forget tips and postage stamps.

Treat yourself to a good time and take your wife along occasionally.

Unless the small business man can afford to hire a good bookkeeper, how does he ever find time to make out all the reports that the government agencies require?

We prepared ourselves for a different world from the one in which we find ourselves.

Why do we kick about the radio—it's practically free and if we don't like it, we don't have to listen to it.

The kids being born today will get by, and so will you.

Speech may be free, but it usually costs a lot if you say "yes" too often.

So live that you won't be ashamed to sell the family parrot to the town gossip.

Some people seem to have natural tact, and some blurt out the truth.

Every man should leave a will, if only for the pleasure of saying his say without hearing any back talk.

We count our blessings on our fingers and our mistakes on an adding machine.

A crisis creates the energy to conquer it.

Some fellows certainly make a great fuss over their wives—in public.

The war has made us forget a lot of little troubles, but we continue to grumble when the salt-shaker is empty or the salt is damp.

**FIELD DAY**

The climax of the G. R. social season was marked by the eighth annual engineers weekend at Mr. Field's camp at the sign of the squirrel in Meredith, N. H. on Lake Winnepesaukee.

The guests were Peterson, Hollis, Lamson, Karplus, Wilkins, Buckingham, Easton, Thiessen, Burke, Hills, Ireland, Packard, and McElroy. Thirteen nuts journeyed safely from G. R. to the squirrel on Friday the thirteenth of September; and the fourteenth arrived on the Fourteenth.

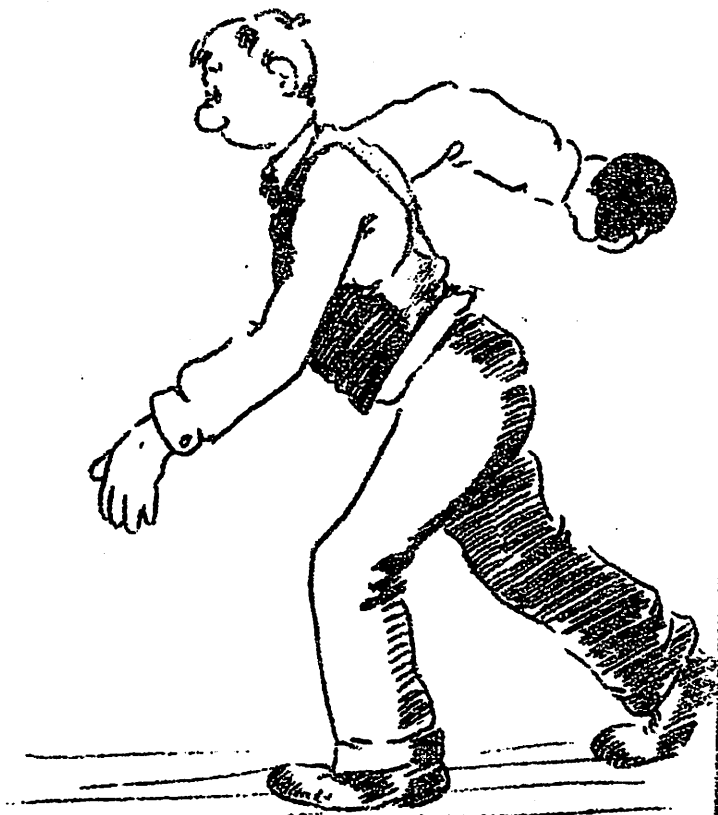
Karplus and Packard led the field at mealtime. Horatio spent all Saturday morning learning how to sail the Field canoe, and took Karplus sailing in it all Sunday morning.

Wilkie kept the boat slide trap from working by warning everyone not dressed for a ducking, that it was slippery. Pete eluded him, but managed to fall in the boat instead of the lake.

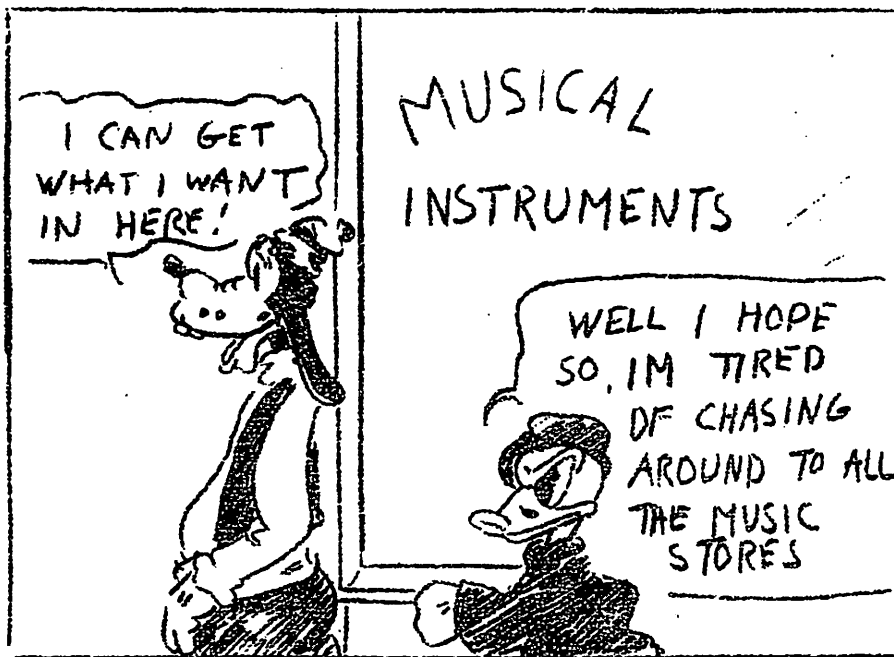
Everyone enjoyed the swimming and sailing. R. F. was careful to go along each time his new sailboat was used!

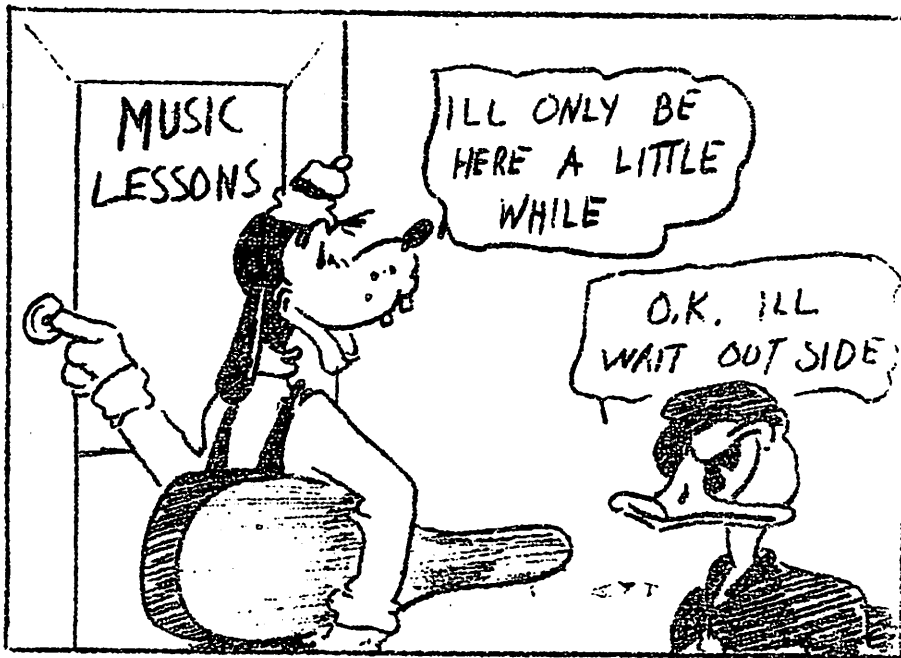
On the first weekend in 1932, the whole crowd climbed Mt. Chocorua. Since then the mountains climbed have become lower and the number climbing has decreased. This year when Karplus suggested that one could drive nearly to the top of Mt. Belknap, only four hardy souls could be induced to walk that short distance. This is known as conservation of energy.





**THEY'RE OFF!**

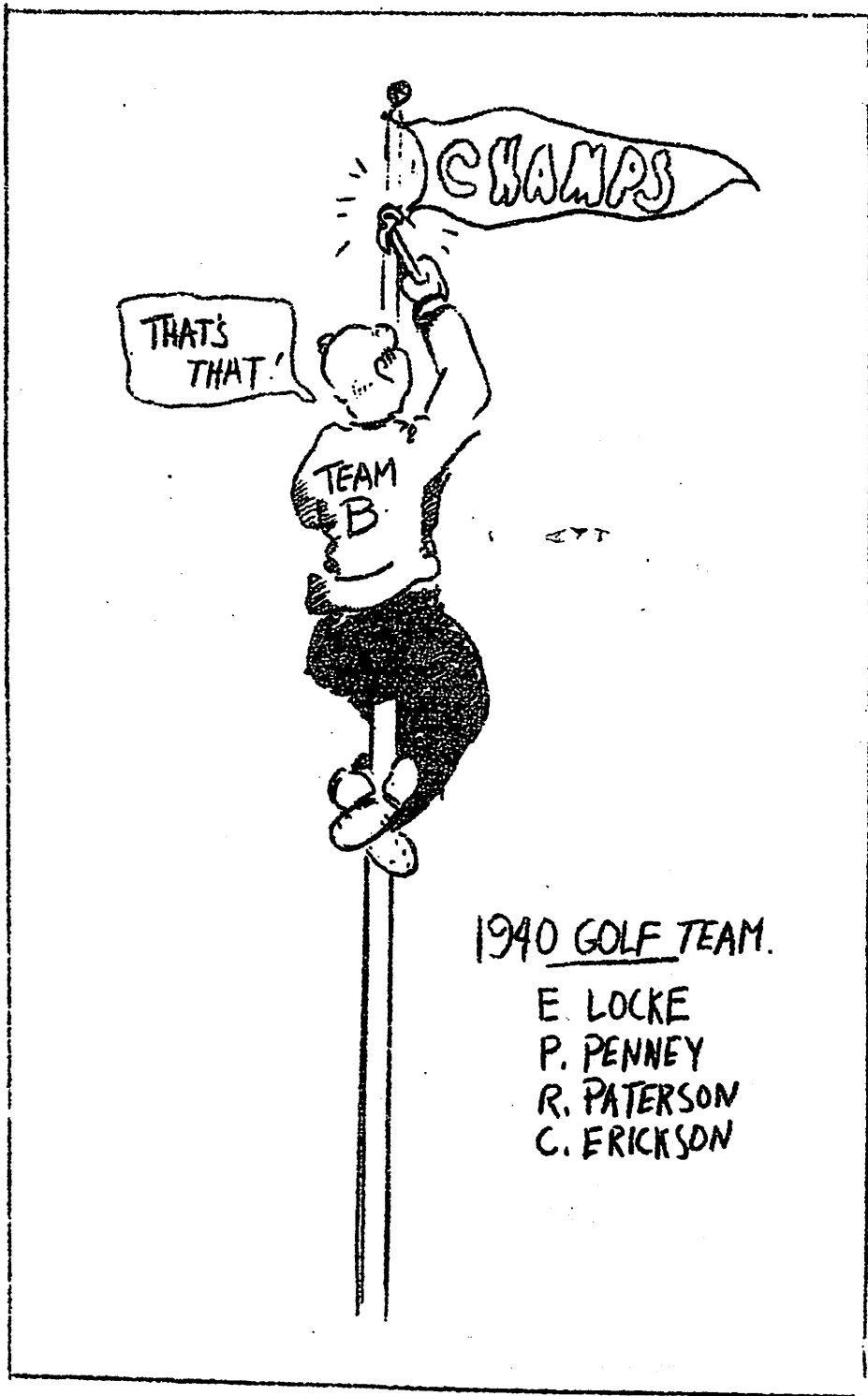




SEPT. BIRTHDAYS - Charles Goodall, Marjorie Polley,  
 Virginia Sandborg, Nancy Guild, Barbara Hunt,  
 Eleanor Polley, Richard Williams, John Flint,  
 Paul McBroj, Quentin Searle, Warren Love,  
 Margaret Corkum, Paul  
 Shretta, Marjorie Becker.

MERRY BIRTHDAY  
 TO YOU

OCT. BIRTHDAYS - Alvin Scott,  
 Alfred Sharpe, Nancy  
 Tedesco, Vera Peterson,  
 Ruth  
 Starkbridge



1940 GOLF TEAM.

- E. LOCKE
- P. PENNEY
- R. PATERSON
- C. ERICKSON