

General Radio News

Vol. 1

NOVEMBER, 1938

No. 1

This, the first copy of the *G. R. News*, is edited with the hope that the subject matter meets with the approval of its readers. It is written by the employees, for the employees, and is financed through the generosity of the Management.

The need for a news organ in the G. R. Co. is apparent for several reasons; among which is the need for a medium to keep employees informed on current business conditions as they affect G. R., to exchange items of interest, and to keep abreast with the many changes and new developments throughout the company.

For a period of one year, the following editing committee has been selected:

Miss Ellinwood
E. Page
J. Johnson
P. Penney
A. Cleveland

Anyone having suggestions or desiring to try their hand at writing, please contact one of the above committee members. All suggestions or criticisms gratefully received.

Twenty-five years ago: Nov. 1913, *Wireless Age*. "It is quite within possibility that development of electrical waves will result in discovery of a method of indicating air routes. Could a definite train of waves through space from one continent to the other be set up, the airman would be able to determine through a sensitive detector whether he was in the right lane or road and know immediately when he had deviated from the right route."

Amount of solder purchased in 1937, by G. R., was 2,400 pounds at a total cost of approximately \$1,440.

Don't complain about washing windows at home. There are about seven thousand panes in the three buildings at 30 State St.

There are about 2 acres of floor space in the three buildings.

Congratulations are being received by Mr. and Mrs. H. W. Stockbridge and Mr. and Mrs. C. H. Reimer on the recent arrival of daughters. Little Miss Stockbridge has been named Ruth Ann.

Among those recently ill, but who by the time this is in print we hope will be back with us, are Mrs. Rodgers, Mr. Locke, Everett Page, Charles Rice and H. S. Wilkins.

We are more than glad that Ivan Easton, Northeastern '38, and for the past two years employed part time in the testing laboratory, has received a Harvard scholarship and is this year studying Communications. At the completion of this course, Ivan hopes to have his Master's Degree.

Of interest to friends of Leonard Straw, Northeastern '38, and formerly employed part time in Department C, is his marriage on October 9, 1938 to Mabel Fahlow in Melrose. They will make their home in San Francisco, Calif., where Leonard is connected with the International Business Machine Company.

Dr. Mahlon T. Easton, our Ophthalmologist, has returned from a two weeks vacation spent in New York and Washington attending conferences and renewing acquaintances.

This year there are 45 employees receiving cold inoculations by Dr. Roy E. Mabrey. A record is being compiled in an attempt to determine the number benefited by inoculations. Please report all colds regardless of inoculations.

Sports

The bowling sessions are stringing along, almost in full stride, and as the teams have been picked in accordance with last year's average the season should be a "humdinger."

There are however a few teams that seem to be stronger than the rest; whether this is due to getting back the old eye sooner than the others or the law of averages going hay-wire, is a matter of conjecture.

Regardless of differences every team is doing its utmost to smack each other down, in fact so seriously do they take this bowling that there already have been protests over a match. A member of team "D" didn't arrive until after the first sheet was rolled, team "A" claimed a dummy score for the fellow who didn't bowl on the basis of the "understood" ruling of last year, that a tardiness of four or five boxes eliminated a late comer for that string. Team "D" protested on the grounds that they hadn't heard of it and there was no written rule pertaining to such an instance. After the match each team entered its protest. Team "D" on the grounds of "no ruling," team "A" claiming a four man team, a member having dropped out the previous week. Result of this turmoil the committee said "nix" to the protest, so now each team is after the other's scalp.

After this incident the bowling committee promised to get up a written set of rules.

Although the season for baseball is over, there are many of us who still get a kick out of the past season. As all this fun was made possible through the generosity of the Company in financing the uniforms and equipment, and knowing how the fellows feel, we take this opportunity to express the gratitude of the team.

Your team didn't hang up any medals but next year may tell a different story, for most of the fellows hadn't handled a

ball for some time. With one year for seasoning there's a chance for considerable improvement in the future.

Another season over, the golfers are still talking about the lunch Mr. Locke tendered the boys after the last match. There were some fine scores as is evident by Warren Newell's 83, Warren Webster's 88, Mr. Locke's 88, and Dr. Mabrey's 88.

If one were to nose around before eight, and at noon time, he would find several groups engaged in the ancient game of chess, which recalls the time that one of these groups issued or accepted a challenge from Bill Fish's gang. The latter's bailiwick was invaded for three or four noon periods and the match progressed in express fashion, the losers donating a nickel for each game lost. The net result was that Bill and his boys lost so many buffaloes that they were in the red to a deep crimson and Bill reared up and forbade any of the invaders to darken his department again; so now each group plays on in its respective fold. Why not forget the past and have a challenge chess match? Those interested talk it up, and let's hear from you.

Did you know that in our library there is available a small camera for loan the same as a book?

Did you know that we can accommodate 105 cars in our parking space if each one parks carefully?

Plans are in the wind for an evening get-together late this fall. Entertainment, dancing and bridge. Dress (informal). Cost (inexpensive). The success of this party will depend on your coöperation.

Yes! We hope to have more of them. Watch bulletin board for further announcements.

"Night Life"

The Management Says

As there is no outside ownership of this Company it is possible to make available from time to time information in your new house organ, which could not be so furnished if the Company's stock were listed on the New York or similar stock exchange. At the invitation of your Editorial Committee there are presented here two items which it was thought would be of general interest. It is planned to present additional items in subsequent issues.

How is business? Last year shipments were \$1,344,206, which are the largest in the Company's history. This is an average of \$330,052 for each quarterly period. This year our quarterly shipments have been as follows:

First Quarter	\$255,097
Second Quarter	255,632
Third Quarter	239,650

This gives an average quarter of \$250,130, or a falling off of just over 25% from last year. A falling off of but 20% requires only four days' work each week. As we have averaged well over four days' work per week up to October first, the difference has been taken care of by increased inventory. On most of our standard items, except new ones just coming along, our inventory is between six months and a full year of sales. This is as far as it seems justified in going because of the ever-present design change requirements to keep pace with the rapidly-advancing electronic art. As hours to be worked will depend on the rate new orders are received, it is obvious that we are all watching the daily rate of these new orders. For the first half of October new orders were \$28,209.

Who owns the General Radio Company? With the exception of a large block of the Company's stock held by the Genradco Trust, and donated by Mr. Shaw, the ownership of the Company is

in the hands of the officers and a few others in general managerial positions. There is no public ownership, nor is there any outside control exerted because of loans by banks or others. Thus, the Company, in addition to having no interest charges to meet to outsiders, is free to act in the manner that appears to be for the best interests of all, and not for any special group. It is because of this freedom from control that it has been possible to make bonus payments at times when if there were outside stockholders to be considered such payments would have been impractical.

If an individual were operating a small store or shop he would have to buy out of his own or borrowed money the necessary supplies and equipment to establish himself. On December thirty-first last there were 202 persons here at General Radio Company (this also was the same number as of this October fifteenth). On December thirty-first there had been invested in land, building, machinery, raw materials, finished inventory, and the other items that go to make up the physical assets of this Company \$1,020,681. This is the amount that the small group of stockholders over the last twenty-five years has had to put into the business to make it a going concern. The original investment was \$35,000, and almost from the very start it has been necessary for the stockholders to continue to put new money into the business to meet its growth requirements. For the most part this new money has been raised by the stockholders putting back into the business the interest (dividends) earned on the previous money that had been put in. If they had spent this money instead of leaving it in the business it would have been necessary to have raised the additional funds through bank loans or the inviting of outsiders to participate in the financing of the Company. If each employee were required to put up the amount invested for him by the stockholders, he would be asked to invest \$5,060.

Under the changed tax laws it is not practical to leave earnings in the Company for future expansion. Fortunately, this Company has no desire to grow any more than is necessary to maintain its position in the electronics field. Therefore, it is hoped that it will never be necessary to invite outsiders to participate in the finances of the Company, so that the present policy of freedom from outside control may continue indefinitely.

What is the Company's tax bill? There can be no answer to this. The reason is that there are so many hidden taxes and so many semi-hidden ones that are not separately tabulated on our books, such as Sales, Telephone and Telegraph, and similar taxes. We do know, however, that last year the following taxes were assessed against the Company:

Federal Government	\$35,645.37
State of Massachusetts	8,500.00
City of Cambridge	7,769.61*
State of California	77.55
Company's Share Only of Social Security Payments (Does not include employees' additional contributions)	16,710.83
<i>Total</i>	<u>\$68,703.36</u>

* The 1938 tax has been increased to \$8,612.70.

The average days actually worked last year per employee were about 225. This total tax is, therefore, approximately \$1.50 for every employee for every day he works. It is, of course, perfectly unreasonable to expect no taxes. However, this tax bill is approximately three times as much as it would have been under the tax rates that were in existence in 1915, the year in which the Company started business. Expressed in a different manner it means that in 1937 it would have been possible to have increased each employee's bonus by about \$225 had the same tax rates been in effect in that year as were effective in 1915.

Have you made the acquaintance of the General Radio Library? It is the hope of the librarian that the library will make itself useful, both as a source of information on strictly technical subjects and as a means of bringing a little more general information to all our employees. With these two objects in mind, we have added to the collection of technical books a group of popular books on a variety of subjects, an Encyclopaedia Britannica, and a few popular magazines which everyone enjoys. As far as possible every book in the library is recorded in a card-file on the librarian's desk; a complete record is kept of the incoming magazines. Announcements from publishers, as well as announcements of educational opportunities, are left in the tray on the table. We also have a file containing catalogs from a great number of manufacturers, which are available to be consulted at any time. The librarian will be glad to give any information or consider any proposal for the improvement of the library. This column in the future will be used as a means of explaining the mechanics of the library and of announcing new arrangements.

If one of the Peterson brothers in Dept. W tries to sell you a steam roller or something, we advise you to investigate thoroughly before purchasing—not that you wouldn't get a steam roller, but then listen to this; Blakey was telling George how his dog was suffering from fleas, and George piped up saying that he knew a fellow that had invented a sure fire flea remover, with a kill or money back guaranty,—cost, half a dollar. Blakey fished out the fifty cents and placed his order.

The next day George came in with the flea getter,—a box all nicely wrapped with ribbon in which were two blocks of wood and a pair of tweezers accompanied by directions that read as follows: 1. Pick flea off afflicted one with tweezers. 2. Place flea on block A. 3. Bring block B sharply down on block A; and if resultant whack doesn't finish Mr. Flea—your money back.

General Radio News

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

Vol. 1

DECEMBER, 1938

No. 2

You will notice that this issue of the "General Radio News" has been punched for the convenience of those who wish to keep copies for a period of time. Binders fitting this punching may be obtained at either Kresge's or Woolworth's for ten cents.

Looks like a BIG NIGHT for our INFORMAL PARTY December 2nd. The co-operation on this event has been very gratifying. We have attempted to keep the cost of the party at a minimum, and hope that the success will be such that requests for more of them will be forthcoming. The play will start promptly at 8:15. Please plan to be seated before this time to eliminate any confusion after curtain time. Dancing will be arranged so that *everyone* who wishes to dance will have an opportunity to enjoy himself. Make sure P. Hanson has your request for playing bridge. Tables will be arranged only for these requests. Individual prizes will be awarded for highest score, lady and man, lowest score, lady and man. We have tried to cover everything that makes for a GRand Old Time and now it's up to you to make this a party that will be long-remembered.

"Night Life."

Nicotine Notes

In spite of the prodigious quantity of high pressure advertising as to the various degrees of mental and physical exhilaration obtained by the use of tobacco, let us see what scientific research has to say on the subject. Let us initiate our discourse by quoting the touching little passage gleaned from an early medical book.

"A vile custom, loathsome to the eye, hateful to the nose, harmful to the brain, dangerous to the lungs, and the black stinking fume thereof nearest resembling the horrible Stygian smoke of the pit that is bottomless."

The American Indians in the 16th century were perhaps the first users. It was introduced about 1560 in the court of Catherine de Medici, by Jean Nicot in the form of snuff. In the 17th century, smokers' noses were cut off by the Russian government.

But let us come back to tobacco. It contains a powerful narcotic poison, nicotin, which resembles prussic acid in the rapidity of its action when a fatal dose is taken. In its natural state, or upon burning, the following are the main constituents of the plant leaf:

- Nicotin
- Pyridin
- Picolin
- Collidin
- Carbolic acid
- Ammonia
- Marsh gas
- Hydrocyanic acid
- Carbon-monoxide
- Furfural

Furfural is a constituent of fusel oil, which is so much dreaded in a poor grade of whiskey. The smoke of a single cigaret may contain as much furfural as two ounces of whiskey. The leaves of cabbage, although of the same plant species, have upon burning no attraction for smokers while containing many of the substances found in tobacco. Strangely, nicotin is entirely absent, which undoubtedly is the determining factor in the habit of using tobacco. Nicotin, as a drug, causes brief stimulation of brain and spinal cord followed by a depressive reaction. The heart action is slowed and the blood pressure increased. Its effect is narcotic or deadening in nature. Tests have shown that one drop of nicotin on the unbroken skin of a rabbit will produce death through capillary action. Two drops on the tongue of a cat or a dog has also lethal consequences.

Tobacco has never been shown to exert any beneficial influence upon the human body in health, also it is not even included

in the United States Pharmacy Tables as a remedy for disease, notwithstanding the claims that are made for its sedative effect and its value as a solace to mankind. If the benefits that are claimed for it are real and dependable, they should be made available in exact dosage and applied therapeutically. If they are not safe medically, then they are not safe as a mere drug indulgence. Nicotinless tobacco attains no popularity, despite the efforts of the governments of Germany and France to make it so.

The sedative effect of the drug is so slight as compared to other narcotics such as opium, alcohol, cocaine, etc., that the tobacco habit is less seductive and may be broken with comparative ease, so therefore, it is less harmful morally. The well-known effects on the heart and circulatory functions should cause one to stop and ponder over the ultimate cost of the indulgence. Let us remember that it is difficult to determine years in advance whether or not one is endowed with specific body resistance to render the habit harmless to his personal constitutional makeup. The vital statistics show that the increasing cases of heart disease and circulatory ailments are causing—but wait!

Here is the climax to our interesting discourse. "Uncle Joe" Cannon, who for forty-six years was an energetic member of the House of Representatives, eight years its Speaker, was a confirmed and habitual smoker. Twelve to fifteen cigars a day was his custom. But look—he died at the premature age of ninety-one! Oh, well, Time Marches On.

WM. H. FISH.

Don't forget Charlie Guild when in need of cigars, cigarettes or chewing gum—cuff or credit.

Wife to absent-minded professor: "John, you haven't kissed me for three weeks."

Husband: "Good heavens, whom have I been kissing?"

Sports

The first leg of the bowling tournament over, the boys are still talking about what they did or should have done. Let's take a few figures and see what has been done. The first column represents the total pinfall, and the second gives the team standings together with points won.

A	11592	I	25
B	11148	D	24
C	11430	C	23
D	11533	A	22
E	11012	J	22
F	11215	F	19
G	10949	B	15
H	11137	G	13
I	11438	H	10
J	11586	E	7

One oddity is the total pinfall of Team I with 11438, which puts them in fourth place in that line, whereas they are first in points. Team A with highest pinfall is fourth in points won, which proves it isn't how you get them so much as where you get them. Look 'em over and see where your mistakes are and let's go on the next leg—and may the best team win.

The high-boys of the last session were:

High 3 string	Capriulo	328
High single	Marvin	127
High 3 string	Team D	1381
High single	Team J	507

Let's see if we can better them on this next lap.

Have you heard how Norman Peterson sold chances on an electric razor, collecting \$14.00? His wife drew the lucky ticket.

Each November the G. R. Girls celebrate what is called their birthday party, for during the month of November there are several birthdays. This year they enjoyed a dinner at the Hofbrau.

John Murray was seen polishing up his new golf clubs some time ago, possibly for an early start in the spring.

The Management Says

The Fair Labor Standards Act of 1938.

There has been so much controversial matter written about this Act which became effective on October 24, 1938, that many workers, and no small number of employers, are uncertain as to its significance. Its effect is so varied in different sections of this country and in different industries that it would be difficult to attempt even to summarize its general applications and results in such a short article as this. Our interpretation of its effects on a General Radio employee will be the limit of this article.

We are in general in interstate commerce, and, therefore, accept the Act to cover all employees except those small groups, particularly professional and executive, exempted by the text of the Act. First, records must be kept of each employee showing his name, home address, hours worked each day and each week, regular rate of pay and basis of wage payments, actual wages paid at regular rates, excess wages paid for overtime, additions to regular rates, total wages paid each week, and date of payment. Such records must be kept open for four years so as to be available for inspection, and such reports made up from them as the Administrator may direct. This information is substantially the same as we are now keeping under the Social Securities Act, but these increased records and reports have become a real factor in our administrative costs, which in turn inevitably means lower earnings.

The actual limitation of weekly hours to 44 and ultimately to 40 before time and a half is paid, and minimum rates of 25 cents per hour and ultimately 40 cents, have no effect on General Radio employees. It may possibly have a good effect, because of raising standards of some competitors, although this is rather doubtful because the better instrument companies have conditions at least as good as those required by the Act. As we employ no child labor, that portion of the Act does not apply to us.

While much attention has been given to this new Act, it is our feeling that here

at the General Radio Company the Walsh-Healey Government Contract Act, which became effective September 28, 1936, is of more general importance. This Act provides roughly, that on Government contracts, or sub-contracts, amounting to over \$10,000, the Secretary of Labor may set the hourly wage minimum. The standard work week is 40 hours and the day eight hours. Time and a half for overtime is required. This is the same as the standard General Radio practice.

The wages set by the Secretary of Labor do not bother us particularly because of the rates paid here, but administrative interpretations have been bothersome in plants we have known about. Thus, in one case an attempt was made to apply the 67-cent aircraft assembly rate to girls assembling electric meters, simply because those meters were used on airplanes. While we do not anticipate pay-rate problems under this Act, the peculiar type of our product and the very name of our company may readily give rise to false classification by some administrative officer not at all familiar with our plant and product. But to try to keep such matters straight is one of the reasons the company officers have jobs here.

20 Years Old. On November 20, 1918, the Company adopted a non-contributory group life insurance plan which provided a maximum indemnity of \$1,000 at the death of an insured employee. On the Tenth Anniversary the amount was increased to a maximum of \$2,000.

On November 20, 1938 our group plan reached its Twentieth Anniversary. The Company has paid \$33,600 in gross premiums, but dividends of \$7,500 have reduced the net cost to \$26,100. Thirteen death claims have been paid during this period for a total of \$18,700, or nearly 72% of the net amount paid to the insurance company. The difference of \$7,400, or 28%, represents the amount it has retained to meet its expenses and overhead, and to create reserves against future payments. At the present time 196 employees are insured for a total of \$329,000.

How Is Business? After a poor start, October picked up during the last half so that the total of \$78,667 for orders received was almost identical with the August and September totals. This three month's period which totaled \$232,784 was, however, 33% below our quarterly output capacity of \$350,000, and thus equal to but about three and one-third days per week. Fortunately, much of this time was in the extended vacation period, and because of this vacation effect on decreased production a full work week was possible during the summer. By putting a few employees on non-productive work, by doing at the factory some work formerly purchased outside, and by making some further increase in our inventory, we are still able to operate temporarily on a four-day week, even with new business on only a little over a three-day basis.

The first two-thirds of November have continued at almost exactly the rate that has persisted for the previous three months. The first twenty days have totaled \$46,400.

Tuesday Afternoon Colloquia. An effort is made to hold a colloquium at 4:30 every Tuesday P. M. in the library, for which notices are posted on the bulletin boards. There is plenty of seating capacity, and all members of General Radio or their guests are cordially invited to attend. At some of these meetings members of the engineering staff discuss the work which they are doing, and the development of new instruments. Occasionally we enjoy the privilege of some guest speaker.

These meetings are by no means limited to technical discussions—witness the animated exposition of communism and the travelogues of Messrs. Scott, Smith, Dr. Mabrey and others.

Looking into the future, Dr. Mabrey has kindly agreed to give us some medical and surgical lectures illustrated by appropriate movies, and Dr. Easton has promised to tell us something of the means by which our ageing or otherwise defective eyes can be blessed with better vision.

Many of us, and this means *you*, have had interesting travels and experiences or have made a special study of some topic which would be worthy of an informal colloquium discussion. Mr. Lamson would welcome your help in arranging for bigger and better colloquia.

Why not make the colloquium a Tuesday habit?

On Wednesday afternoons Mr. Lamson is conducting a class in Elementary Physics to show in a simple manner, which it is hoped can be understood by all, the fundamental principles of how things work and why. There are still plenty of seats. Come around and listen in. There are no quizzes and no required homework.

Do you know that Mr. Arguimbau is conducting on Thursday afternoons a class in the calculus, that branch of mathematics which leads to the answers of so many problems in this present-day scientific world.

In answering an inquiry from Manchuria recently, the engineering department referred the customer to our seldom-heard-from agent in that country. In due course a second letter was received from the customer saying, "We are now very sorry to inform you that we can not transact with him because at present time the owner of above company Mr. T. Yakohama is commit a crime of forgery certificates and he thrown into the Jail of Dairen Local Court, and his office door closed now."

Striketomania,—ever heard of it? Shh — Hobart has it. A malady which affects bowlers and reacts after they get a strike. They throw the next two down the gutter.

Do you know that a pound of steel not only costs less per pound than any other metal, it also costs less than a pound of many common woods?

The first iron to be produced in America was made at Saugus in 1645.

General Radio News

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

Vol. I

JANUARY, 1939

No. 3

The report of the December 2nd. party describes an excellent play, good bridge and dancing, bountiful refreshments, in attractive, convenient surroundings. The attendance of about two hundred provided sufficient revenue to meet expenses and leaves \$5.00 to start our next party.

"Nite Life"

A group of engineers from Russia visited our plant for a few days around Christmas. We enjoyed their visit very much especially since they took a few souvenirs in the form of G. R. instruments home with them. Are you listening, Larry? One of them took quite a shine to Bill Fish for his good work in showing them around the plant. It looked to me at one time as though he were figuring how to get Bill into a shipping case.

Weather permitting, there will be many skiing dates, so watch the board for skiing parties and get in on the fun. Come on, everyone, and join in. These get-togethers are gay times.

Last issue we told about Norman Petersen raffling off the electric razor, and his wife winning it. Now word comes that his wife wants to know: "What Razor?" You have to watch out for these brothers.

Jack Lamson paid us a call just before Christmas. He is now foreman of a dairy in Vermont with the responsibility of about one hundred head of cattle. We are all glad to see him make good at his chosen work. These old sailors always threaten to go back to the farm but they seldom do—and stay.

Edward Favre of Dept. M returned to work Dec. 5 after a week's absence on account of the grippe. At the time this paper goes to press Favre's young son Eddie is a patient at the Waltham Hospital recovering from an appendectomy.

George Bickell has given his final warning to those "Over the shoulder news seekers" attracted by his morning Boston Post. The scramble for the morning tabloid got so bad George was three days behind on the shipping news. You could buy two papers each morning, George.

We have been asked to call the attention of car drivers to the accidents that happen while parking. If your car has damaged a fellow parker's car, make it a "clean" hit by notifying the owner. Be careful when opening doors that you don't hit the car parked next to you.

Rules for employees, as posted in a Chicago department store in the 80's (from "Fiction Parade").

1. Store must be open from 6 A. M. to 9 P. M. the year 'round.

2. Store must be swept, counters, shelves and showcases dusted; lamps trimmed, filled and chimneys cleaned; pens made; doors and windows opened; a pail of water and a bucket of coal brought in before breakfast.

3. The store must not be opened on the Sabbath unless necessary, and then only for a few minutes.

4. The employee who is in the habit of smoking Spanish cigars, being shaved at the barber's, going to dances and other places of amusement, will assuredly give his employer reason to be suspicious of his integrity and honesty.

5. Men employees are given one evening a week for courting, and two if they go to a prayer meeting.

6. After fourteen hours in the store, the leisure hours should be spent for the most part in reading.

"Now, boys," said the teacher, "if I saw a man beating a donkey and stopped him, what virtue would my action show?"

Quickly a bright little fellow replied, "brotherly love."

We do not like to be strict in regard to the library, but there are certain rules and regulations which it might be well to remind everyone of. New magazines (those on the rack) should not be taken from the library—there is plenty of room to sit and read as well as to eat your lunch while you read. After all, it is unfair to other people to take a magazine off to some other part of the building while it is still "fresh." Any magazine or book on the shelves may be taken out, but please sign a slip so that we can tell where it is. (And *please* do not hold books and magazines a very long time. When you are through reading them return them to the library.)

Some people have been smoking in the library half of the room. Please smoke and eat lunches only on the other side. We do not want the table and books sprinkled with ashes and crumbs. Thank you.

A man and a boy are carrying a basket weighing 100 lbs. on a 10 foot rod weighing 20 lbs. How far from the man should the basket be placed so that he is carrying three times as much as the boy? Solve this problem and watch for the answer in next month's issue of G. R. NEWS.

Dr. Roy E. Mabrey sailed December 23 from New York for a ten day cruise to Havana and Nassau.

Charlie Keirstead has recently moved to Lexington, the place where Harry Chute tells us the plum trees blossom twice a year.

On Nov. 1, 1938 the engagement of Miss Ethel L. Eaton of Lynn to Everett F. Lewis was announced. Everett is one of our popular "Lab. Boys" who has finally conceded to weaken.

"The newspaper says that the man was shot by his wife at close range."

"Then there must have been powder marks on the body."

"Yes. That's why she shot him."

Bowling

Woo-Woo and we do mean Woo, the way the Mon. night matches are banging it sounds like a battle royal, as indeed it is. A team in first place one week picks itself up the next week to find it is in third or fourth place. Take Team J (they sure have been taken lately), a few weeks back they were almost too hot to handle, and now look at 'em; power dived into 4th. place, and then again there was Team I, going like champs, in fact they thought they owned first place, until wham! the skids for them; and now Searle's gang of pin knockers are trying to freeze on to first place, and they will enjoy it 'til they get the bump that is bound to come. Even pore ole Team E, ye collectors of goose eggs, sparked to life and are anxious to take a crack at the title holders. Soo—whack away boys, it can't get too hot.

Warren Webster has been trying to get back the swing or whatever it was he had on the ball when he rolled the 302.

Doc Dope, the Mystic Dopester on bowling results, every so often posts his list on the bulletin board on the fourth floor; he must be discouraged at his results, but we beseech him to keep trying.

Last winter G. R. used 218 tons of coal at a total cost of approximately \$1,600.

Hitler's family name is *Stucklbogger*. His father changed the name to Hitler through the courts. If the original name had been adhered to, I wonder if the destiny of the Germans would be affected. Would the Germans have adopted a Chancellor by that name?

What's this we hear about Cupid tuning up on the heart-strings of a certain "confirmed" bachelor in Dept. W?

Department C held a Christmas Party Thursday with a tree all decorated and gifts for all. On Friday the G. R. Girls had a Christmas Grab.

New business continues much the same as it has been running through the fall. If there be any trend at all, it would appear to be upward. New orders are still, however, on a scant four-day-a-week basis. The monthly average for October and November was \$81,939. For the first twenty days of December the total is \$54,344. If this be considered as two-thirds of a month, it would indicate a total of \$81,516, or almost exactly the average for the past two months. While these new orders for December are no better than the average for the past two months, there does seem to be a better underlying feeling, which it is hoped may soon be truly evident in actual orders booked—but that remains the secret for the New Year to reveal, and let us hope that it is going to be a good one!

Moffat in Dept. W had trouble with the latch on his car door. Two helpful Charlies offered to remedy the trouble, so when noontime came they went. They surely must have worked like Trojans, for at the end of the noon period they came over to Muffty's bench and dumped a whole sack full of parts and half a door, and how Muffty wailed! If any one knows how a Dodge door is assembled, see Muffty before he gets himself hanged by the rope he has to use to keep the door closed.

Tentative plans are being made for Dr. Mabrey to show us some movies on Jan. 10, 1939. These will give us an inkling of the medical and surgical world. We hope there will be a large audience.

The recent Tuesday afternoon talk by Donald B. Sinclair of the engineering staff was our first on the subject of television. Dr. Sinclair has been actively following television developments for some time and has lately returned from a visit to the leading television laboratories, among them RCA and Philco.

Jack: "Who spilled the mustard on this waffle, dear?"

Wife: "Oh Jack, how could you? This is lemon pie!"

Impure Logic

A Problem Play

REVEALING HIGH LIFE IN LOW DIVES
with a cast of
5 Sterling Players
in
8 Thrilling Scenes

The Curtain rises and we see Brown, Perkins, Turner, Jones and Reilly at a poker game. Each of the five men smokes his own favorite brand of cigarettes exclusively—the brands being Luckies, Camels, Raleighs, Old Golds and Chesterfields.

At the start of the evening one player had 20 cigarettes: others had 15, 8, 6, and 3.

Later in the evening the following conditions existed:

- 1) Perkins asks for three cards.
- 2) Reilly has smoked half his original supply, or one less than Turner has smoked.
- 3) The Chesterfield man originally had as many more, plus half as many more, plus $2\frac{1}{2}$ more cigarettes than he has now.
- 4) The man who draws to an inside straight absent-mindedly lights the tipped end of his fifth cigarette.
- 5) The Lucky Strike man has smoked two more cigarettes than anyone else, including Perkins.
- 6) Brown drew as many aces as he originally had cigarettes.
- 7) No one has smoked all his cigarettes.
- 8) The Camel man asks Jones to pass Brown's matches.

How many cigarettes did each man have originally and what was each man's brand?

John Clayton showed us some more of his fine work. This time by trick photography he took a picture of the fine looking group in Department A and made it look like the Monday-morning line-up at Headquarters. I got a great laugh out of one face until he told me it was mine. Where are those cameras that are kind, John?

A certain engraver whose desire for the field and stream had reached a fever heat, hied off to Scituate to bag a few ducks one gray morning.

After sighting many birds in the distance he decided to sit down along the rocky shore and wait for one.

It was not long before a bird was directly overhead, almost motionless in the strong wind. Assembling his gun and selecting a dry shell took some time, and it looked for a while as though the bird would roost on the gun barrel before he could get a sporting shot.

"BANG!" went the gun and the bird came down on the water (just out of curiosity, according to the eye witness). Now this shooting gallery sportsman, seeing the bird in the water, was ready to finish the kill, and posing on the edge of the slippery rock let go again with the gun. The next minute found Stan in the ocean, gun and all. Did he fall in? No, he was merely retrieving his own game, he said.

However, a sea gull (No Stan, that was not a duck) is hard to retrieve and it rose beautifully out of the water, its cry sounding somewhat human, let's say not unlike a razzberry. (Better stick to the ducks on the shooting gallery, Stan.)

An old Scotsman was smoking in the waiting room of a railway station. A porter said to him: "Don't you see that notice on the wall, 'No Smoking Allowed'?"

"Yes, I do," said the Scot, "but how can I keep all your rules? There's another on the wall, 'Wear Janella Corsets.'"

The boys at the corner were discussing the impending marriage of a buddy.

"That's an accomplished girl Ben is going to marry," observed one of the men. "She can swim, ride, dance, drive a car, and pilot a plane; a real all-around girl."

"They should get along fine," replied another, "you know Ben is a good cook."

The Average of Massachusetts tax rates, compiled by Henry F. Long, State Commissioner of Taxation and Corporations:

1916—\$18.88	1931—\$31.09
1917— 19.68	1932— 33.71
1918— 21.04	1933— 31.60
1920— 25.65	1934— 33.87
1921— 26.64	1935— 34.68
1926— 30.34	1936— 35.33
1929— 28.80	1937— 35.45
1930— 29.86	1938— 36.94

We were sorry to learn of the death of Arthur T. Holmes, one of our Northeastern students, who was with us a year, leaving our employ Feb. 19, 1938. He was 27 years of age.

Roger Schaller recently took a week's vacation and went to the Berkshires where he bagged a one hundred pound deer. Don't forget us on the venison, Roger.

Bigger — Better — More efficient new 1939 Streamlined Flea Exterminators now ready for delivery at lower prices than ever before. Some 1938 models available at greatly reduced prices. Larger models for mice and rats made to order. Turn your pest trouble over to Petersen and Petersen, Dept. W. for when bigger and better flea traps are built, Petersen and Petersen will build them. Ask the guy who owns one.

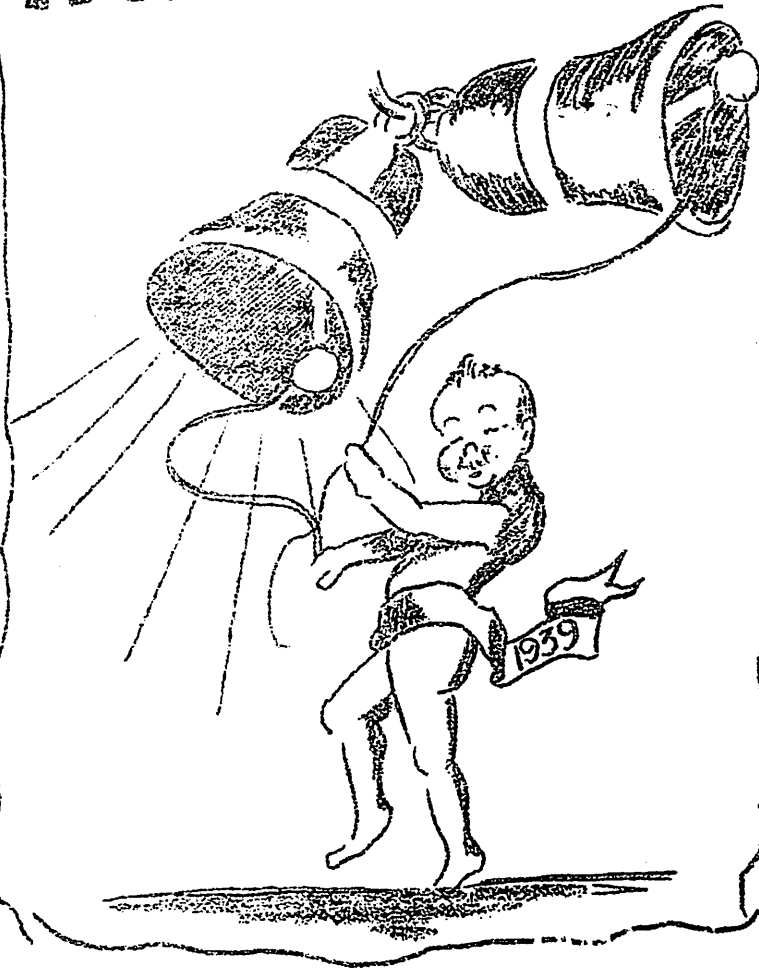
Dept. W wishes to thank those who have contributed candy in the past few weeks and also to remind a few others that they must contribute or else! This includes Bill Regan.

Last April Fool's Day, C. Carey brought up a box of candy which remained untouched until Charlie had eaten, not one, but several pieces to prove that there were no loaded pieces, and even at that, there were plenty of skeptics.

THE NEWS

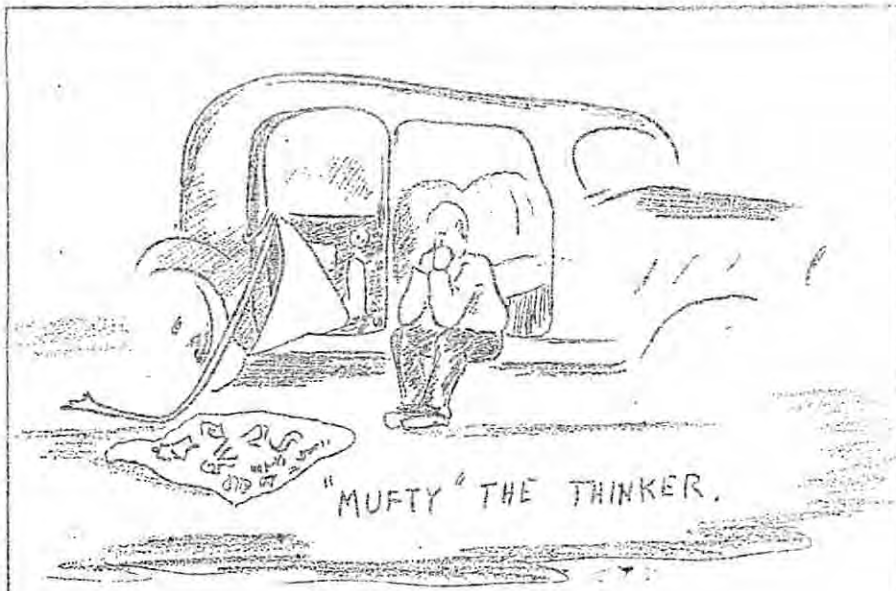
WISHES YOU

A HAPPY NEW YEAR





LOOK WHAT I FOUND IN THE ATTIC DADDY - WHAT'S
THE STORY ON THIS GUY SANTA ?

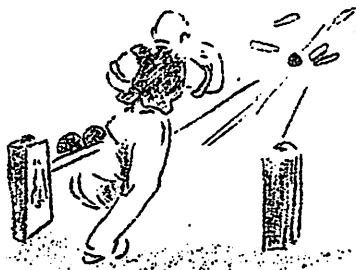


"MUFTY" THE THINKER.

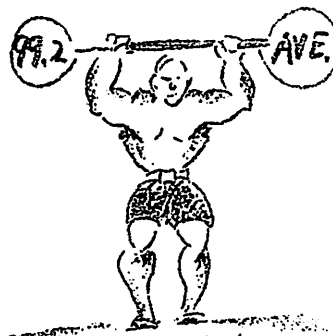


HERE'S AN IDEA ANYWAY, BILL.

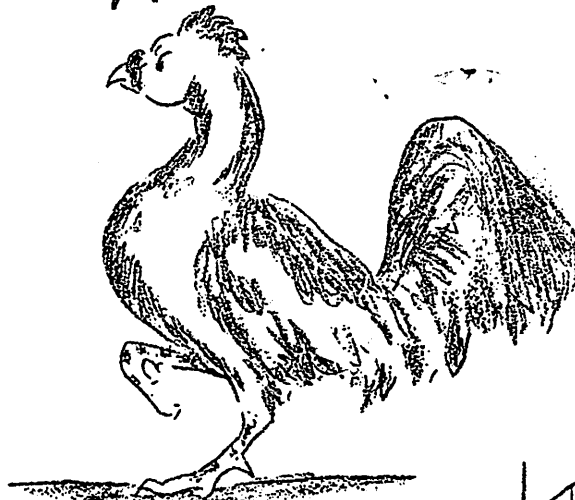
Kemp



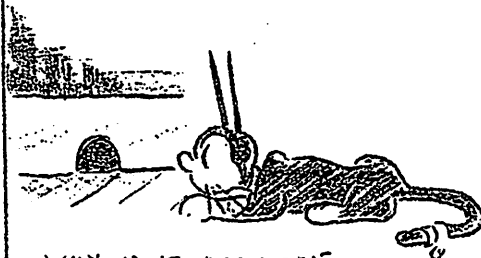
MARVIN MOWED EM
DOWN FOR A NICE 127



STRONG MAN
CAPRIULO



THE COCK O' THE WALK
TEAM C



WHY IS IT DOC DOPE
GOES IN HIDING EVERY SO OFTEN



FENNEY

General Radio News

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

Vol. 1

FEBRUARY, 1939

No. 4

Rehearsals are in progress in many parts of the shop for the entertainment to be provided at the 1939 Winter Party on Saturday, February 18 at George W. Brown Hall, 294 Huntington Avenue, Boston. A catered supper is to be served at six o'clock followed at eight by our home cooked entertainment which will be finished early enough to provide plenty of dancing before midnight.

A large number of members have expressed deep concern over the ever increasing number of guests that attend our various social functions, and these members feel that something should be done about it. The directors therefore have considered the matter, and have taken this opportunity to express themselves:

The primary purpose of our party is to bring members and their *immediate families* together for a good time and to become better acquainted with John, Jim or Jack's family; when we invite guests, we are inclined to isolate our little groups and thereby defeat this purpose.

Everyone in excess of our own groups, means added expense, greater difficulty in obtaining a hall suitable in convenience, in dancing, and many other things.

Please take this in the spirit that it is given and do your part to make our parties better for your family and mine and keep the number of guest tickets at a minimum.

Every member is entitled to tickets at minimum cost for themselves and every other dependent member of his or her family living under member's roof. If members are single and have no dependents they are entitled to two tickets.

All tickets other than those included in the above groups are classed as guest tickets.

DIRECTORS OF G. R. M. B. A.

No man ever got nervous prostration pushing his business; you get it only when the business pushes you.

Did you see our Appendectomy? About 85 percent of the entire General Radio organization witnessed Dr. Mabrey's extremely interesting lecture on the timely topic of appendicitis as distinguished from green-apple tummy-ache. Such enthusiasm gladdens the heart of the lecturer and the program chairman and beats all previous attendance records. Let's keep it up. It would have been interesting if we had recorded on a sound track the response of the audience, especially the squeal that arose at the initial incision. Dr. Mabrey has promised some more medical and health talks and perhaps our genial Miss Ellinwood might be coaxed to give us some first aid information. Who will volunteer to be the victim?

Make a reservation on your calendar now for the afternoon of February 7th, when Dr. Easton is to favor us with a lecture on our eyes and what may ail them.

What allegedly respectable father and husband in which department was recently accused by an irate but mistaken female Sherlock of being a hitch and run scoundrel?

Three members of our Credit Union, Austin I. Corkum, Frederick Beck, and Everett S. Page attended a testimonial dinner given in honor of Felix Vorenberg and the late Edward A. Filene at the Chamber of Commerce, Boston, on Tuesday evening, January 17.

At the time of the recent truck strike our driver had some difficulties in picking up and making deliveries. The Cambridge police were asked to send an escort to prevent any trouble in entering the Boston & Maine freight yard. One and one half minutes after telephoning the police, a squad car was at the door. We certainly could not ask for any better service than that.

One bright Sunday afternoon sometime ago, one of our ski enthusiasts grabbed his ski paraphernalia and hied himself off to the Arlington hills.

He spent a very pleasant and successful afternoon in fact, so successful, that he was quite pleased with himself.

He planned his trip so that his return journey would bring him to the top of a very long and steep hill that had a hot-house at its base.

Upon arriving at the hill he spied children skiing at the bottom and being very much of an expert after practicing all afternoon, he shoved off from the top and soon was travelling at express train speed over the crusty surface. Split-seconds later he realized that his manner of stopping wouldn't be adequate for this situation, so going into a very beautiful side skid which didn't slow him up a bit, he prepared for the worst and it came much quicker than he expected.

It seems that this hothouse had a ditch running around the outside and this skier upon arriving at this ditch immediately took possession by the simple expedient of hitting his skis against the edge and diving in head first.

After the storm and considerable slow moving of twisted muscle and bone, he assumed a sitting posture and blinked his eyes wondering what struck him. It finally dawned on him that his specs were hanging on one ear and one ski pole was missing but he still couldn't explain the trouble with his nose and mouth. Then upon putting his hand to his face, he found that a soggy cigar which he had sucked all afternoon had been smashed to a shape resembling a rivet and had almost entirely smeared his face. He later found his missing ski pole on the other side of the hot house.

The climax came when a little girl of about ten years timidly asked him how long he had practiced to be as good as that. This skier is now looking for a good pair of ski air brakes or the equivalent.

Don't look now but do you know where the nearest fire extinguisher is located? Don't say "Hollis' car."

"I had a swell hunch at the races the other day. It was the seventh day of the seventh month; my wife and I had been married exactly seven years; it was the seventh race, so I played on Horse No. 7."

"And he won?"

"No, he came in seventh."

Here is a new problem for the master minds. A rope hangs over a pulley. On one end of the rope hangs a weight, and on the other end hangs a monkey, equal in weight to the weight. The combined ages of the monkey and its mother are four years and the rope weighs four ounces to the foot. The weight of the monkey is as many pounds as its mother is years old, and the mother is twice as old as the monkey was when the mother was half as old as the monkey will be when the monkey is three times as old as its mother was. The weight of the rope and weight is half as much again as the difference between the weight of the weight and the weight of the weight plus the weight of the monkey. How long is the rope?

Here are the answers to last month's problems:

To the cigarette problem:

Brown—Old Golds—3

Jones—Luckies—20

Perkins—Chesterfields—15

Turner—Raleighs—6

Reilly—Camels—8

To the basket problem: 2 feet

Fred Ireland of our New York office has been with us during the past week and Martin Gilman of our Engineering Department is away on a business trip visiting several western cities.

As we go to press two of our boys are on the absent list. Bill Herb with an infected foot and John Blake with a fractured rib or two.

Charles Keirstead's wife has been on the sick list recently recovering from pneumonia. Mr. Sherwood, Henry Stirling, and Leon Scott have been on our absentee list during the past month but are all back at work now.

We were pleasantly surprised by some good orders during the first week of the new year. This has helped our monthly total quite a bit in spite of the fact that orders have again slowed up somewhat. For the first two-thirds of the month new orders totaled \$69,800.

The total for the full month of December was \$81,257, which was almost exactly what orders have been averaging during recent months. There has been awarded to us a Navy contract totaling approximately \$20,000. Work on this contract will, however, be spread over about seven months, so that it will give us an average of \$3,000 for the next seven months, which amount is the equivalent of approximately one-half day's work per month when on full output.

The Company has just enrolled in the Eleventh Annual Safety Contest of the Massachusetts Safety Council, which was organized many years ago for the primary purpose of reducing industrial accidents. Awards are made at the close of the year to those companies in the Contest which have not had a lost-time accident. Sidney Beck, who is Chairman of our Safety Committee, will be the contact man and all reports and data will be handled by him.

In reviewing the possibilities of this work, it is interesting to learn that last year the Boston Woven Hose and Rubber Company completed 2,026,875 man-hours without a single lost-time accident. Without consideration of the greater hazard of their work as compared with ours, we have to pass through nearly six years without a lost-time accident to equal their record.

It is also interesting to note that the companies enrolled in the 1937 Safety Contest experienced 9.5 accidents per 1,000,000 man-hours as compared with 25.4 accidents for all industrial workers in Massachusetts.

On the whole we have had an excellent record, although in years past there have been a number of lost-time accidents. Let us establish a new record in 1939—*not a single lost-time accident.*

A review of the activities of the Genradco Trust for the year, 1938, will be of interest. Dr. Mabrey continued in charge of the medical service, and from his records we learn that 1,010 appointments, including cold inoculations, were kept during the hours he was here at the factory. In addition he made 45 visits in the homes of employees, and 7 individuals called at his office in Boston. 18 persons had X-Ray negatives taken, and 5 were sent to specialists for examination or treatment. The expenses of 14 hospitalization cases have been met in whole or in part by the Trust, 8 of these being under the direct supervision of Dr. Mabrey. Miss Ellinwood's help has not only been available to several thousand calls in the First Aid Room, but she has made many visits to homes of employees, and has assisted in arranging trips to hospitals and clinics. The pleasant, helpful and efficient manner in which she has carried on her part in the work has been a big factor in its success.

Dr. Easton commenced his work here in May, and by the end of the year 221 appointments with him had been recorded, resulting in the filling of 91 prescriptions for glasses by Mr. Repetto. There is still a waiting list for eye examinations, but the number is gradually being reduced, and the more urgent cases taken care of.

As the scope of the medical activities have been enlarged with each succeeding year, an increasing portion of the income has been expended for the types of work mentioned above. A considerable part of the remaining income has been used in aiding certain scientific enterprises outside the Company, but in which there has been a closely allied interest. Such assistance will be decreased as the Trustees find it practical to extend the work of the Trust along the principal lines for which it was originally created.

GENRADCO TRUST.

So long as we Love, we Serve. So long as we are Loved by others I would almost say we are Indispensable; and no Man is Useless while he has a Friend.

—Stevenson.

The Blue Cross has announced a new plan to provide Ward Service for persons in lower income groups than can afford the semi-private plan as offered last year. Present members will find increased benefits when they receive their renewed contracts such as the inclusion of X-Ray examination up to the limit of \$25.00 per contract year. A recent report shows that more than twelve of our G. R. group received payments ranging from \$20.00 to \$155.50 with a total of about \$1200.00 in benefits. At present 36 individuals, 15 husbands and wives, and 23 families are provided with this means of budgeting for hospital expense. The last day for receiving new members will be February 2, 1939. Obtain blanks or information from your foreman or from Paul Hanson.

Due to the fact that not everyone has occasion to see the monthly reports of the G. R. Credit Union as posted on the bulletin boards in the office of Building 2 and on the 4th floor of Building 3, it has been suggested that from time to time the Credit Union take advantage of the opportunity offered through the medium of the G. R. News to place before those interested a brief resumé of the business transacted. In the future we will present such items as we feel will keep you more in touch with our activities and the advantages you may enjoy by being a member of the Credit Union.

For the benefit of those who are laboring under the delusion that we are a one-horse outfit—did you know that last year our cash transactions totaled nearly \$100,000. We wrote 460 checks last year which was more than in any other year since 1930 when we incorporated. We wrote 146 loans for a total of \$19,745. Our total expense for the year was \$81.60, which also was a new high. Of this amount \$34.75 was for insurance premiums and \$10.00 was the state bank examination fee. We are now covered by robbery and hold-up insurance, which is a new coverage added last year.

On the cheery side of the ledger we find total interest receipts of \$1550. which represents \$825. received from borrowers,

and \$725. received as interest on Savings Deposits and dividends on shares in Co-operative banks. We returned to borrowers as interest refunded \$199. We paid to our members \$1046. in dividends which, too, is a new high. We are sorry to say that \$3.96 was collected in fines. This figure is not as large as in 1931, when we collected \$4.70. However, in 1931 the loan balance was \$3101. against \$5933. at the close of last year. Another interesting fact is that the total fines for the first 4 years were \$16.35 and for the last 4 years \$16.65.

Speaking of new highs, here are two more: our share balances reached \$29,839 last May and the loan balances \$8142. last April. Yes, indeed, last year was a good year.

We elected 6 new members during the year and lost but one. We are pleased to note that our accounts have been much more active lately than they have in the past and hope that they continue so.

G. R. CREDIT UNION.

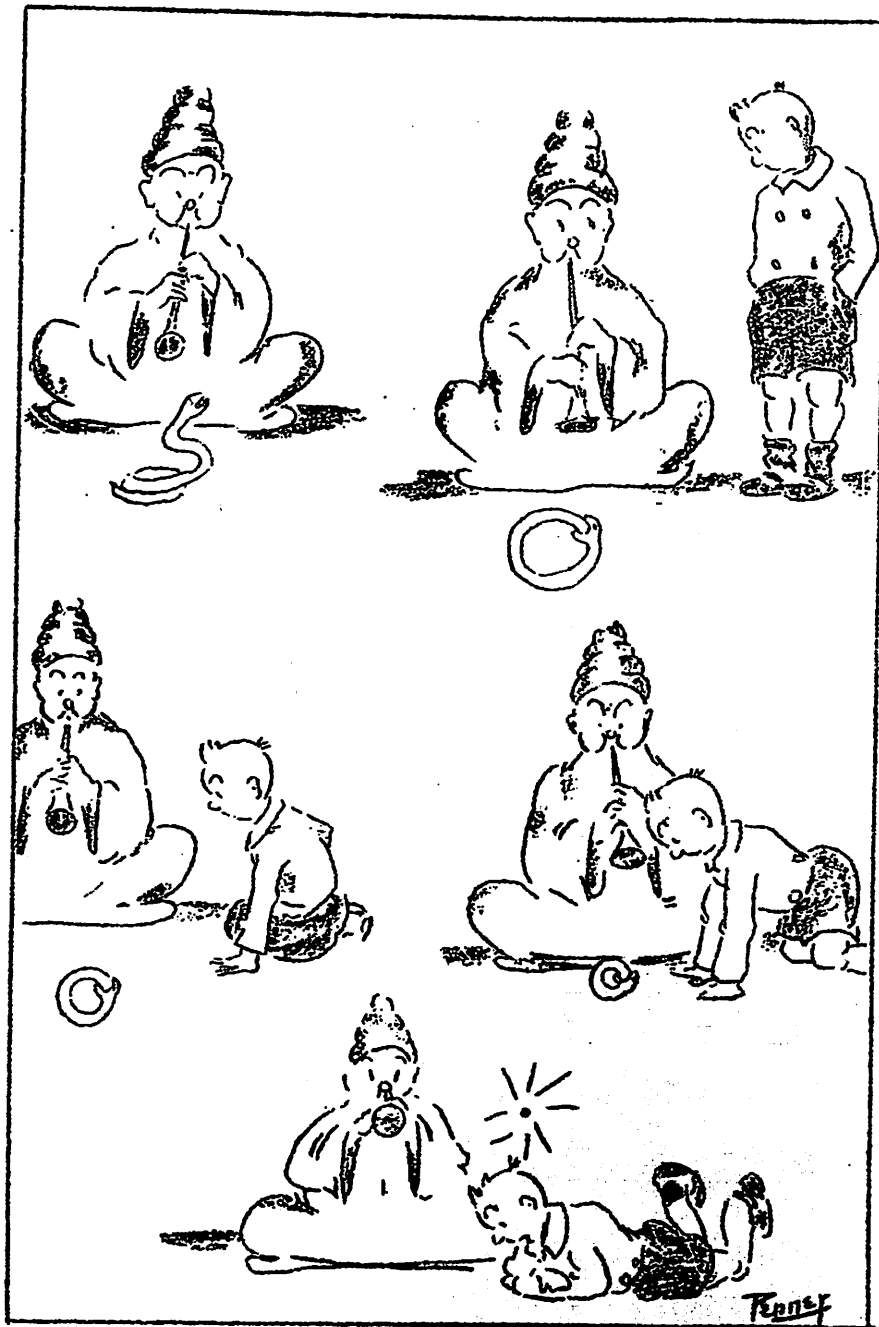
Let's not forget the G. R. family carrying on elsewhere. Hello, Fred Ireland (New York); Myron Smith (Hollywood) and our old medico, Doc Read in Pasadena. The pills don't taste the same since you left, Doc.

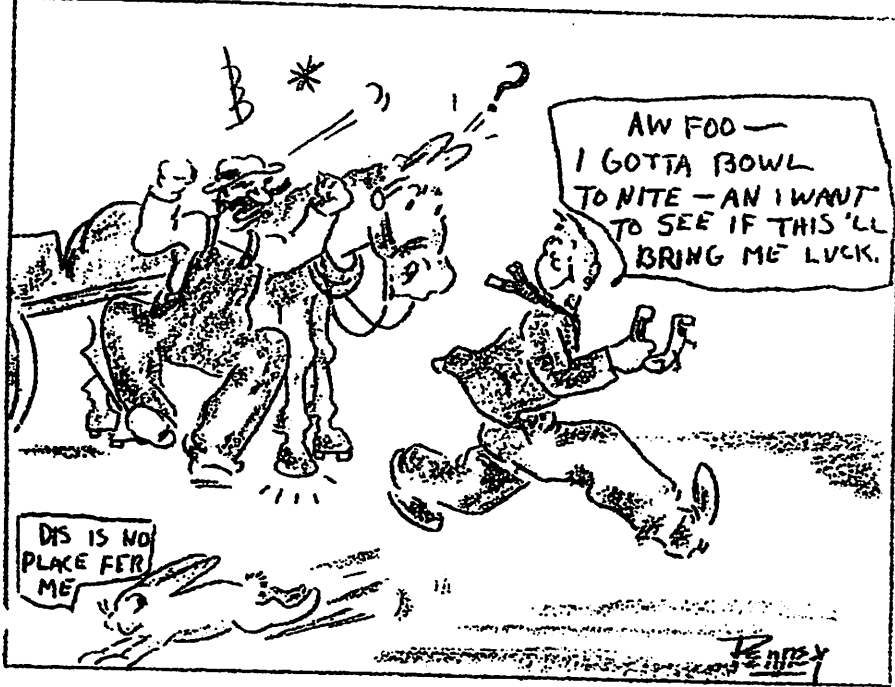
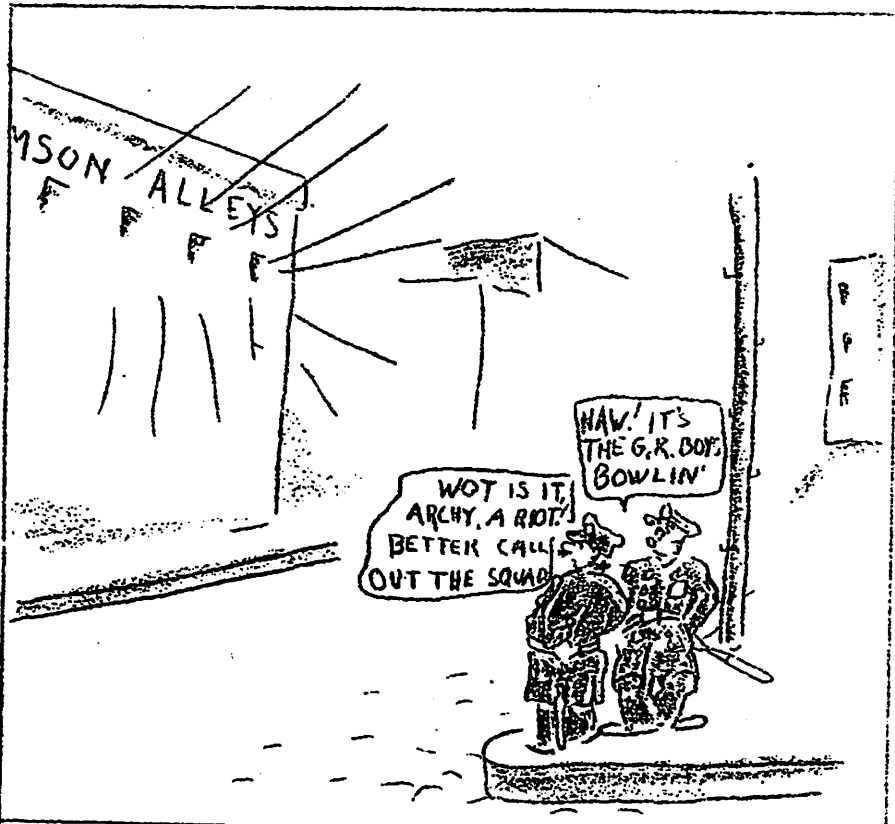
In connection with the present Community Fund Campaign we are again asked to lend a helping hand to our less fortunate neighbor. In a critical analysis of our own lives, it becomes the rare individual who can say that he has never been, at one time or another, the recipient of some form of charity. Think this over; honestly and fairly. Demands at home, under present conditions, are many and varied. This we know; but remember there are many who through no fault of their own must turn to charity or perish. A little from all is just as potential a force as a lot from few. Could you be one of the "all" who will give a "little"? If the General Radio Company endorses it, it must be good.

For the benefit of some of the newcomers (anyone here under five years), hard heels on shoes are strictly reserved for the engineers.

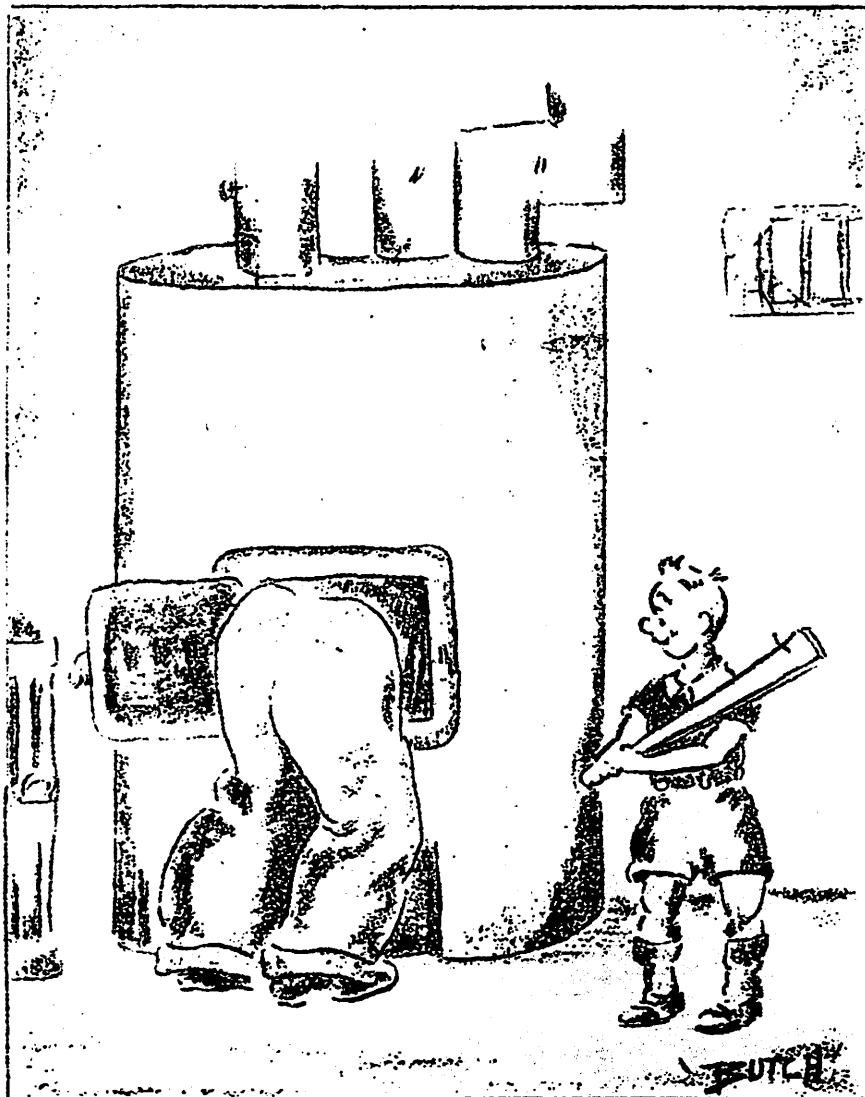


"SNOOKS"





"SNOOKS"



"YES YOU CAN DO ANYTHING YOU WANT
AS LONG AS YOU STOP ASKING QUESTIONS"

General Radio News

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

Vol. 1

MARCH, 1939

No. 5

S-h-h!!! Keep it quiet, but there seems to be going around some talk about some Winter Party or other. Or have you heard? Have you heard anything about the splendid dinner, or about some acts or something followed by some music for dancing? If you haven't—lie down, Mister, you must have died and didn't know it. And to think we used to hire talent(?). Not that it wasn't good—but, after all—what can you expect from mere professionals.

Now you take our own gang—You bet we'll take 'em. After the show Saturday night we'll take 'em anytime. Of course some of us have to admit that there were some things about the entertainment that could have been improved upon. For instance, some of us didn't like the color of the curtains—the way the floor was laid—the lights weren't in keeping with the general quality of what they lit up, and the doors could have looked a little more professional, but other than that the rest was swell. It is true that a loud knocking was generally prevalent during the entire performance, but what if knees are black and blue today—so what? They say that the people in the first 10 rows thought there was another hurricane because of the breeze set up from the motion of pants-legs actuated by non-behaving knees.

But—to be serious for a moment—the whole bunch who appeared on the stage Saturday night deserve a world of credit. After each name on the cast list should go the degree G.S. (Good Sport.) But then it wouldn't do to tell them all this, for if we did they might get a swell-head and hold out for programs next year. So just be nonchalant when speaking to one of the cast and say, "Yes, you were pretty good but I've seen better, altho' I have forgotten when." Credit is also due those back stage and those who planned and organized the show.

And so another year has passed and another Winter Party has become a memory. But, after all, to most of us the best part of life is a group of memories. May this new addition tend to make these memories just that much more pleasant.

Mr. H. P. Hokanson of our Commercial Department was on our absentee list several days during the past month.

As our notes are gathered to go to press, Miss Elinor Clapp and Harry Haynes are ill. Their many friends wish them speedy recovery.

Dr. Easton's lecture concerning the eyes, their functions and reactions, was most interesting and we were glad to see the good attendance. There are many things concerning eyes which most of us do not understand, and can be made clearer to us by these lectures. We have the promise of seeing a movie showing a cataract operation in the near future. If it is anything like our last movie which I think it will be, there will be many a groan uttered.

Mr. O. Presswood of the Drafting Department has been ill at his home during the past few weeks.

What Constitutes Success? He has achieved success who has lived well, laughed often and loved much; who has gained the respect of intelligent men and the love of little children; who has filled his niche and accomplished his task; who has left the world better than he found it, whether by an improved poppy, a perfect poem or a rescued soul; who has never lacked appreciation of earth's beauty or failed to express it; who has looked for the best in others and given the best he had; whose life was an inspiration; whose memory is a benediction.

—MRS. A. J. STANLEY.

Almost every town and city of this country of ours has in it racketeers who prey upon the citizens in one form or another. The most numerous are the petty racketeers. It is to be the policy of this paper to rid the community of these rackets, and, Lo and Behold, if we don't have to start right here in the G. R.! We have, upon investigation, substantial proof against these racketeers, and knowing full well the means which will be employed to suppress our attempt to clean up this gang, we do hereby and now declare war on the "mob."

In order to expose the racket we will state a sample case, hoping that one and all will realize from this case when they are being made a victim of a racket. It is worked this way: A department, we will say dept. W. (we don't mean to imply that they are racketeers—much—but we will use them in this case) all chip in and buy a nickel box of candy. It is then opened and placed so that it is in plain view of all who walk through the dept. Yep, just like a hunk of bait, and that is just what it is. Now along comes the victim who spots the candy and is invited to have a piece; as he probably has a sweet tooth, he accepts. Whango! The noise you have just heard is the springing of the trap.

The victim does not realize he is being worked on, so suavely do they soft soap and wheedle with their loud chorus of "Hello, Good Morning, Merry Christmas, Happy New Year, and pleasant Fourth of July." He thinks they are not such a bad bunch after all, and does not even wonder why he is so popular with them until . . . the high pressure stuff of "Hey, how about some candy, you know we treated you, and now it is your turn; Fanny Farmer's will do," and all that sort of stuff. Finally, the victim comes across and the trap is set again.

Another example was the "case of the Green Hornet." That was when Bill Regan got stung. The racketeers threatened him through this paper in a previous issue. Before we went to press, Bill had already paid off, and was quite worried as to what was meant, to pay again or not. It was too bad that Bill didn't come to us in time to make this expose. If there are any more victims in the offing, let us know

and we will prove that the pen is mightier than the racket. This writing of candy sort of gives me a sweet tooth, which reminds me that the staff likes Fanny Farmer's, too.

In our daily lives we become so accustomed to the narrow margins between safety and death, genius and insanity, and success and failure, that we seldom reflect on how narrow too is this same margin in business enterprises. We see frequently statements of how much "business" would be helped if prices were dropped or other suggested changes made. Seldom do the makers of such statements realize the very complicated relationships between volume of sales, costs, prices and rates of pay.

Our own figures for 1938 furnish a good example of many of these relationships. Persons who invest their savings in a business, whether it be a public utility, a retail store or a manufacturing company, do so because they are willing to take a chance. They are willing to risk getting no return, as against getting a greater return than that available by depositing their savings in a savings or co-operative bank. Three percent is about all that can be hoped for in such banks. By careful planning—and good luck—those who invested their money in the General Radio Company last year earned on it four and one-half percent. This difference of about one and one-half percent between bank earnings and business risk earnings represents a pretty small difference when it comes to price setting, and a few poor guesses would make it disappear entirely. Usually we are faced with competitive prices which determine our upper limits, and our success or failure depends rather on proper control of design, manufacturing and administrative costs. This small difference last year, if expressed in terms of an average part selling for sixty-five cents, would be completely eliminated by a drop of one cent in the selling price or the increase of one cent in the cost.

With the thought that there would be many in the Company in addition to stockholders who would like to know what our income and expenses were for last year, the following analysis has been made up.

Net Sales Billed To Customers	\$ 996,954.67
Other Income	12,279.41
Royalties received on patents owned by this Company, sales of old machinery, etc., interest and dividends on temporary investments.	
<i>Total Income</i>	<i>\$ 1,009,234.08</i>
Against which there were expenses of:	
Pay of all groups, including vacation pay, bonus and pensions	\$ 460,061.26
Material purchased for manufacturing into finished product, including incoming transportation, trucking and inventory adjustment	244,400.81
Royalties paid for the use of patents of others	22,099.82
Plant and equipment upkeep, including depreciation allowance	36,188.27
Telephone, telegraph, gas, electricity, water, coal	11,943.92
Packing material and transportation on shipments	19,487.27
Expenses of New York and Los Angeles offices	6,196.86
Services of patent attorneys, lawyers, accountants	8,102.16
Catalogs, The Experimenter, photographs, half-tones, electrotypes, advertising space, miscellaneous bulletins	49,063.66
All other manufacturing, selling, administrative and other expenses. Includes such items as small tools and supplies, insurance, postage, stationery, office supplies, traveling expenses, sales commissions, shows and exhibits, Community Fund and other contributions, engineering department and drafting supplies, etc.	58,902.79
Taxes	47,693.73
<i>Total Expenses</i>	<i>\$ 964,140.55</i>
Which subtracted from income leaves	\$ 45,093.53
net earnings for stockholders on the \$1,016,184.76 which they had invested in the Company as of December 31, 1938.	

For the first two-thirds of February new orders totaled \$60,897.37. This is approximately at the same rate as for January, when the total for the somewhat longer month was \$91,789.69. Since the first of the year, orders have been received at a rate ten percent above that for 1938. Let us hope it continues to improve. This current rate is slightly in excess of four days per week. Last year, it will be recalled that the rate was just under four days, and that the difference was absorbed by increased inventory, which is currently running around an all-time high.

While every effort is being made to divide the work evenly, it is not possible to do this exactly because of the varying demands on different departments.

Cupid seems to be playing about the shipping-room lately. We understand there will be a June wedding, but would like more data concerning it.

General Radio employees responded very generously to the 1939 Community Fund campaign, and contributed \$785.00 through the Radio Manufacturers group. Of this amount, about one-half came from six contributors and the remainder from 117 others. This is in addition to the Company's subscription of \$500.00, and also in addition to the numerous gifts made through residential solicitors. In view of the relatively hard times we have been having, we made a very good showing.

The Community Federation has asked us to express its appreciation not only to the General Radio contributors, but to the company solicitors, Anne Werner, Austin Corkum and Bill Fish.

(If you think soliciting is an easy job, just ask any of the foregoing, or wait for Bill Fish's next book, "Tribulations of an Amateur Social Worker.")

The next time you go up in the attic look up the baseball glove. It won't be long now, as the team figures on an early start this year. Might as well bring out the liniment too.

Sports: One thing that we should put into print is the fact that team E took four points for the first time in the history of that hectic crew.—A big hand for the boys.

Only seven more starts to knock team A out of first place, and the time gets shorter and shorter.

Bill Regan made the records look sick by rolling 140 single and 340 total—three strings. He's only a few tenths of a point away from Cappy's high average.

Are you working up an appetite for the Bowling Banquet?

The following were among the principal medical supplies used during the year 1938:

2100 Aspirin Tablets
2100 Emagrin Tablets
1000 Salicon Tablets
1000 Anacin Tablets
800 Emperin Tablets
600 Ammonium Chloride Tablets
148 Benzedrine Inhalers

"DID YOU KNOW"—That the original Gretna Green is a small village in the Southern part of Scotland, where during the 18th century, most run-away marriages were performed over the anvil of the village smithy. These "over-the-anvil weddings" were made possible by a law of Scotland that a man and woman were legally married if they exchanged their vows before a witness.

—That the colored employees of the Panama Canal are designated as "Silver," while the term of "Gold" is given to the white engineering and maintenance employees.

—That the total area of Germany, including that of Austria and Sudetenland, is not so large as Texas.

CO-OPERATE and Assist—not Criticize and Find Fault. —*Fra Elbertus.*

Socialism—You have two cows; you give one to your neighbor.

Communism—You have two cows and give both to the government and the government gives you the milk.

Fascism—You keep both cows and give the milk to the government and the government sells part of it back to you.

Nazism—The government shoots you and takes both cows.

New Dealism—The government shoots one cow, milks the other and pours the milk down the sewer.

I like those folks who always try
To look you squarely in the eye;
Whose handclasp always seems to say
I'm mighty glad I passed your way.

I like those folks who always grin
And take their troubles on the chin;
And when you're down, they understand
And come and lend a helping hand.
I like those folks.

I like those folks who play the game
And win or lose, it's just the same;
Who always smile, and say *well done*,
"It really was a lot of fun."

H. P. H.

My town is the place where my home is founded; where my business is situated and where my vote is cast; where my children are educated; where my neighbors dwell; and where my life is chiefly lived. It is the home spot for me. My town has the right to my civic loyalty. It supports me and I should support it. My town wants my citizenship, not my partisanship; my friendliness, not my dissension; my sympathy, not my criticism; my intelligence, not my indifference. My town supplies me with protection, trade, friends, education, schools, churches, and the right to free moral citizenship. It has some things that are better than others; the best things I should seek to make better, the worst things I should help to suppress. Take it all-in-all, it is my town, and it is entitled to the best there is in me.

" AT THE THEATER "

NOT ON THE SCRIPT, YET GOT A BIG LAUGH WAS THE PREMATURE CRASHING OF 'THE THREE TREES.'

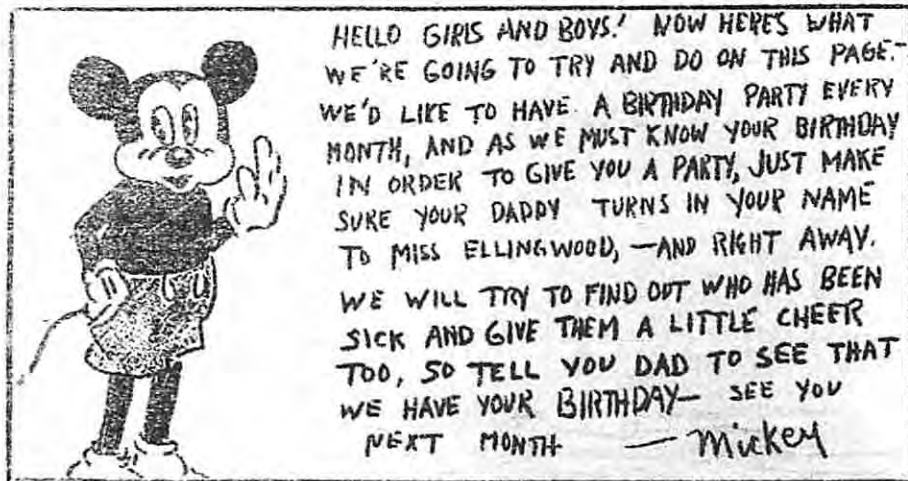
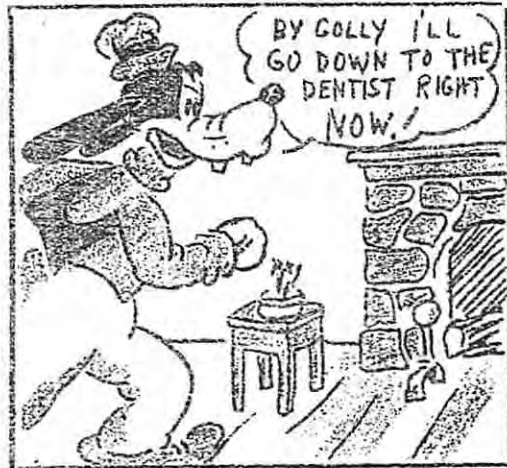


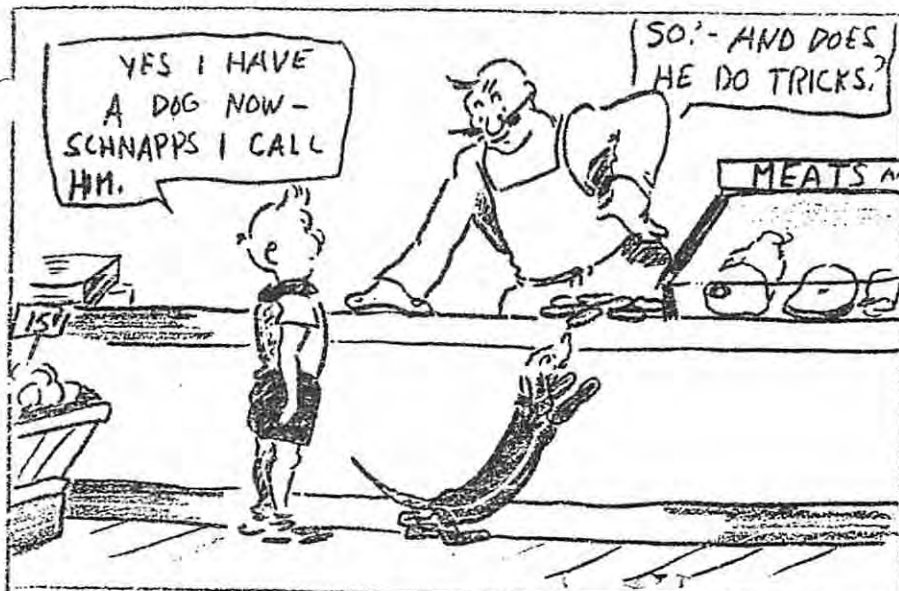
THE HOBOS INTENDED TO HAVE A FLASH AFTER RUSS SPIT OUT THE WATER. BUT WERE INFORMED THAT DUE TO FIRE HAZARD, THEY WOULD HAVE TO ELIMINATE IT - IMAGINE THEIR SURPRISE WHEN THE BEST OF FLASHES WAS ACCIDENTLY MADE BY SOME OF THE WATER HITTING THOSE HOT FOOTLIGHTS. -

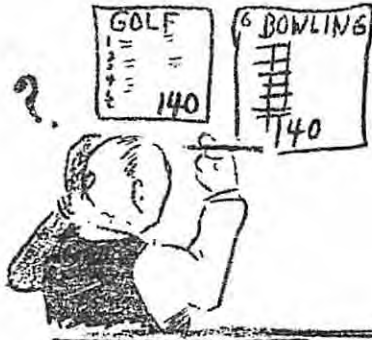


MANY DIDN'T RECOGNICE HIM - BUT THE MAN BEHIND THE BAR, AND THE HANDLE-BARS WAS MR. LOCKE

THE KIDDIE KORNER ^{by Butch}







BILL REGAN THOUGHT HE WAS SHOOTING GOLF THE OTHER NITE !



SEEMS THO' 1ST PLACE IS TOO HOT TO HOLD ON TO VERY LONG. —

General Radio News

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

Vol. 1

APRIL, 1939

No. 6

There seems to be a general feeling that no one but the editing committee may write articles or items for the "News." Such is not the case. The editing committee welcomes any and all contributions. We are particularly interested in obtaining more personal items.

The editing committee has felt for some time that the engineering staff and laboratory groups have been somewhat slighted due to lack of a reporter in that group. For that reason, Dudley Chute, has been selected to replace Paul Penney who will continue as chief cartoonist.

When are we going to have another party at the Y. W. like the one we had last December? Everyone had such a fine time we should have more. Incidentally where is all that enthusiasm that was prevalent a month or two ago about the formation of a Dramatic Club? We don't know—we're just asking.

We have another "Gold Star" father in our midst. Until now Dave Martin has been alone in this class but Jack Morey now becomes the second father of twins and we all envy him—or do we? Well we now have two bid twice, will someone make it three?

Who is he?

He wears hard heels, is always in a hurry, his anecdotes are antidotes for gloom, has the most contagious laugh in the plant, is psychic in regard to mistakes, will pick the only instrument with a mistake out of a group of fifty instruments every time, abuses himself most profusely if he makes a boner (which seldom occurs), is a little stubborn but we forgive him for that.

Al: I wonder why women pay more attention to beauty than to brains?

Mary: Because no matter how stupid a man is, he is seldom blind."

Mr. Charley Hills attended the annual meeting of the Export Managers Club of New York, March 14.

The annual urge to get away from it all seems to have struck Claire Creelman and Eleanora Hutchinson out of season. On Saturday, March 18, they sailed from Brooklyn for Havana and points south on the "Oslofjord."

Mr. Robert Field of our engineering staff has been ill for several weeks and is now convalescing at his home. His many friends wish him a speedy recovery.

On our sick list this past month have been Marjorie MacMasters, Virginia Lynn, Frances Ellinwood, and Paul Mohler. As we go to press, Ruth Crowe, Frances Guidrey, Norman Mitchell and C. T. Burke are absent.

George Oberbeck and George Badger of Department T attended a lecture March 7 at Harvard to see the cyclotron Harvard's new "atom smasher" and a number of other interesting exhibits.

Fred Berthel had a close one a few weeks ago. While he and three friends were riding on the Lawrence Pike, the steering apparatus let go causing them to leave the road and overturn. To climax the accident, the car caught fire. Luckily everyone escaped with minor injuries and now Fred is looking for a tame horse and buggy attached.

On a recent visit to Vermont on Jack Lamson's farm, Sydney Beck demonstrated a new technique on how to round up cows. Our artist has pictured the general idea on our rotogravure section. Sydney says in defence of his system, quote, "What does it matter who chases who so long as the cow eventually gets into the barn," unquote.

BOWLING

The season nearing an end, leaves two teams battling for the "mug." Team C and A are the top notchers. An upset will give the verdict to either one.

Have you heard about our high bowlers entering the Boston American Tournament? The date for the first roll off and the fifth man on the team is unsettled as we go to press. Capriulo, Regan, Leighton, Hatch and Searle, with Guild possibly replacing Hatch or Searle, are the boys we're pinning our hopes on. Let's go and cheer them on. Watch for information regarding the Bowling Banquet!

BASEBALL

The Babe Ruth's got together early this year and are getting ready for a big season. Fred Beck was elected Manager, Bill Herb, Captain and Pete Cleveland, Business Manager. The team will compete in Class B League.

P.S. There is a new bottle of liniment for use the day after.

In a few weeks our G. R. golfers will be in the rough. Our household hints editor has a message for the "Golf Widows." Help your golfer get into condition. Let him tee off with the carpet beater on the parlor rug for a few hours. Its great development for the driving muscles. Then a little putting practice such as putting the cellar in order. To toughen up the shoulder cords how about window washing and scrubbing floors. If you care for more training suggestions we have plenty. Just drop us a card. Pete is against publishing this message. Better get after him, Mrs. Cleveland.

After having pictures taken of the different groups throughout the plant, there seems to be a difference of opinion as to where some of our groups were before coming to the General Radio.

Do you know why small change is called "Pin Money"? In the 14th. century England, when pins were very rare and expensive, the good wives so desired them that many a household budget was wrecked . . . so the men restricted the sale of pins to two days a year! Then the women began putting aside small sums against those days, and to this day "PIN MONEY" means small change.

Probably by now everyone has discovered in the library a list, posted every day or so, of the new magazines. These are starred if they are to be found on the rack; if on the shelves left unmarked. In this way you can easily see what has just come in and where it is to be found. (Incidentally, the library is about to blossom out with a bulletin-board, on which we hope to put any notices of importance in regard to the library.)

E. H. CLAPP, *Librarian.*

A bill has been introduced in the House of Representatives in Washington to limit the base on which the tax is figured in computing the employer's part of the Unemployment Compensation Tax. At present this is figured on the total payroll, but the new proposal limits the base to the first \$3,000 of an individual's remuneration. In considering the effect on our company, if this change were to be made, the following figures seemed worth bringing to your attention.

For the years 1936, when the tax went into effect, through 1938 the following amounts have been paid:

Company's tax	\$32,727.61
Employees' contributions	5,302.50
	<u>\$38,030.11</u>

Slightly over 10% of this total sum was paid to the Federal Government—another tax—while the balance of approximately \$34,000 has been paid to the Commonwealth of Massachusetts to help create the fund from which unemployment benefits are paid. To date, from among the few who have left the employ of the company, no one of whom was let go because of lack of work, three claims have been made to and allowed by the Commission for a total amount of \$258, certainly a small portion of the \$34,000 we have contributed. It is necessary to build up a reserve to take care of unexpected conditions and deferred claims, but we, at General Radio, appear to be contributing more than our fair share. The above figures prove the need and the fairness of a merit rating which would reduce the cost of unemployment compensation taxes in the case of the General Radio Company, and place the burden on all employers more nearly in the proportion that their employees call upon the fund for benefits.

LOST—ANOTHER AGENCY

With the dismemberment of the Czechoslovakian Republic by Germany we have lost another agency. For many years the Elflometa Company has represented us at Prague, and as was the case in Austria we expect that the agency has been taken over by the Germans, who will not permit the agency to continue importing from us. The equivalent of the entire output of one productive worker here has been required for the past two years for the Czechoslovakian sales. This does not include the auxiliary services such as inspection, packing, etc.

If the total time including that of the auxiliary services were to be taken representing our lost sales in Austria and Czechoslovakia due to the German seizure of those countries, and of China due to the Japanese occupation, it would equal the time of six persons. That is, instead of 202 persons as we now have, only 196 are required because of these lost agencies. The actual adjustment is made, however, by endeavoring to find other outlets, and by introducing new products.

We have about \$600 of material in transit to Prague. We do not know yet what the chances of recovery are, but we expect that the material will be received and payment made when free exchange is again available—which for all practical purposes is the equivalent of saying never.

New orders for regular equipment for the first two-thirds of March total \$61,700, which if the same rate be maintained for the balance of the month would be exactly the same as the \$93,000 full month average for January and February. The first quarter of this year will be approximately ten percent better than the last quarter of 1938, and also about ten percent better than the corresponding first quarter of that year.

We understand W. Bickell in Department A, who is a member of the Naval Aviation Reserve Unit at Squantum, is working for a navigator's rating. He recently passed part of the exams with a percentage of 92 in meteorology and 89 in piloting. Good work, Wally!

RETROSPECT

When times are tough and business slow,
The weather cold, and the car won't go,
And we miss a show, and maybe a dance,
And to get ahead we don't see a chance;

And 4 days a week seem never to end,
And the Credit Union its money does
lend.

That's the time we should stop and peruse
A list of things we've still got to lose.

We've still got a job and that's more than
some,
We work for an outfit that's second to
none.

Times have been tougher, the weather
much colder;
I guess we'll see worse before we're much
older.

The car may seem ancient, some folks
don't have any.

The shows that we see to some would
seem many.

We're not in the poorhouse, we still eat
3 squares;

Oh yes, we've got lots to tell in our
prayers.

We've always had something, we've never
shut down;

Even four days a week, much worse could
be found.

And even without a job for a day is a darn
sight better than the W.P.A.

With a doctor and nurse to take care of
our ills

Does help a lot to keep down our bills.

And the gang that we work with they're
a pretty fine lot;

Yes, the things that we've lost aren't as
much as we've got.

So when things seem the blackest, and our
joys seem so few,

We ought to thank God that we work
where we do.

"Lesh go home now, Joe."

"Naw, I'm afraid t'go home. Wife'll
shmell m'breath."

"Hol' y'r breath."

"Can't. Sh'too strong."

The 1939 State Wide Industrial Accident Reduction Contest has made an auspicious start with 281 companies enrolled, representing 153,857 persons employed, who have worked 21,240,729 hours in January.

Among the employed, in the total number of companies, there were 214 lost time injuries which cost a total of 18,912 days of lost time. There were two fatalities, one due to a fall and the other caused by electrical burns. Machine accidents resulted in four digital amputations. It is of interest to note that the penalty charge for these six casualties alone was computed at 16,200 days of lost time.

The various companies are grouped according to their type of manufacture and are sub divided according to the number of employees. The General Radio Company is listed with six other companies under the heading of Radio Appliances and Lamp Manufacture.

The Raytheon Production Corporation of Newton is the group leader in our division for January, while our company occupies fifth place in the grouping.

For comparative purposes the following is listed below:

Company	No. of employees	Hours worked	No. of injuries	Days lost	Minor injuries
Raytheon	1349	258,187	0	0	249
G. R.	198	30,387	0	0	7

Basis of Awards:

(a) The leader in each group, having the least number of casualties, for every quarter of the year, will be awarded a Safety Banner for display during the succeeding three months.

(b) Large Bronze Trophies will be awarded to each group leader having the least number of injuries at the completion of the contest.

(c) A Grand Trophy will be awarded by the Associate Industries of Massachusetts, to the company making the best record in accident reductions in 1939.

(d) A certificate award of merit will be given to each company that succeeds in operating the entire year without a lost injury.

Fellow Workers! Let us cooperate in making this year one in which there will be no lost time injuries.

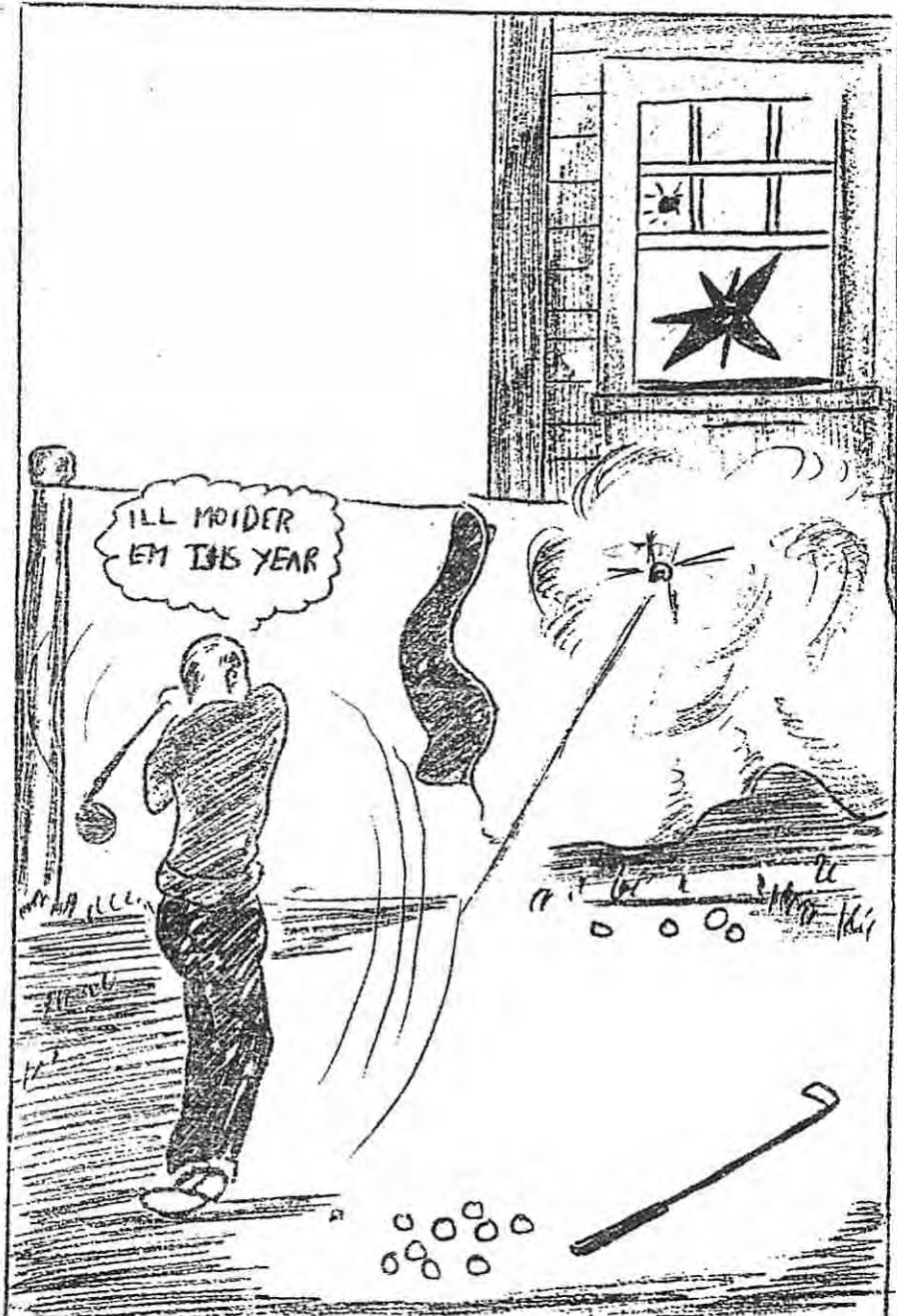
Spring is here again and it is any Saturday morning. The golfing enthusiasts are sneaking in some putting in the back yards. Jimmy Clapp is up on Winnetoesaukee figuring how he can use the trees blown down during the hurricane. JoJo Hollis (owner of that car with the henna rinse) is feeling good; the kids are setting grass fires everywhere and on Saturday too. Sam Drury is polishing the car,—What again? Warren Newell is eating breakfast. George Bickell is on the Fish Pier, for as you know, he is one of the pier pilots. Dud. Chute is rubbing his hands with glee for Mary has finished painting a room and it looks swell. Bill Fish is outside looking over his estate. "Don't look for work Bill. Your Dad has it all done." Sandy has the casting rod out for a few practice casts. A keel has been laid somewhere—Clayton is there. Morrison isn't up yet. Mitchell is on his farm debating whether to plant potatoes for the bugs to eat or eat them himself—not the bugs. The golf nuts are still putting. Warren is still eating. Hi Comrie is grinding the hurricane ax. Blakey has his shirt off. The coal bin is empty. Geo. Petersen is trading cars. Ho Hum. Spring is here.

Movies were shown March 7 by Dr. Mabrey of his trip south in December and by Fred Stierli of his vacation in Northern Maine last summer.

GRMBA

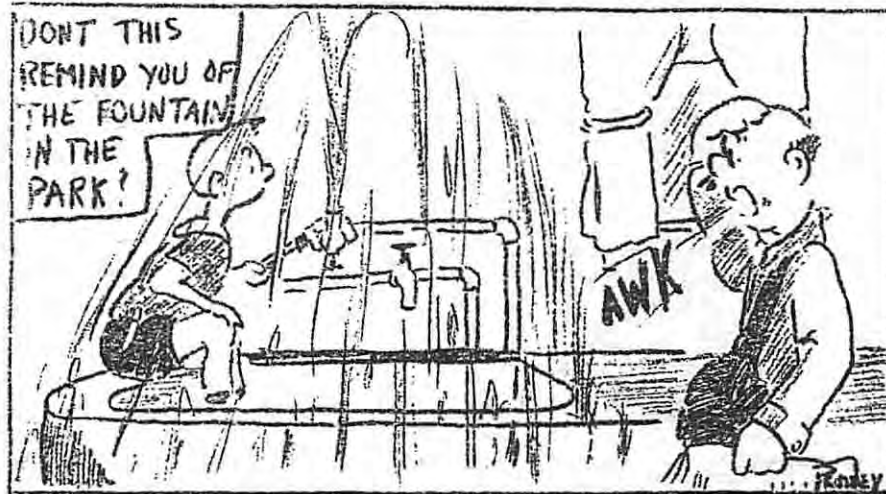
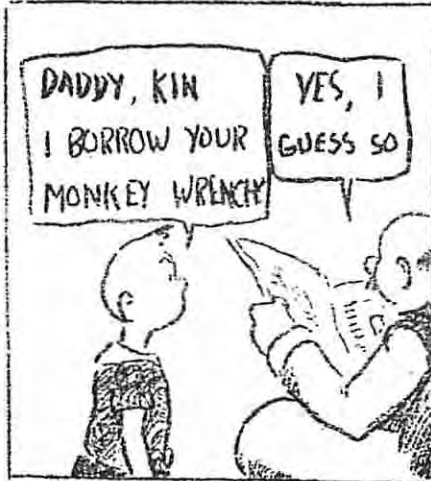
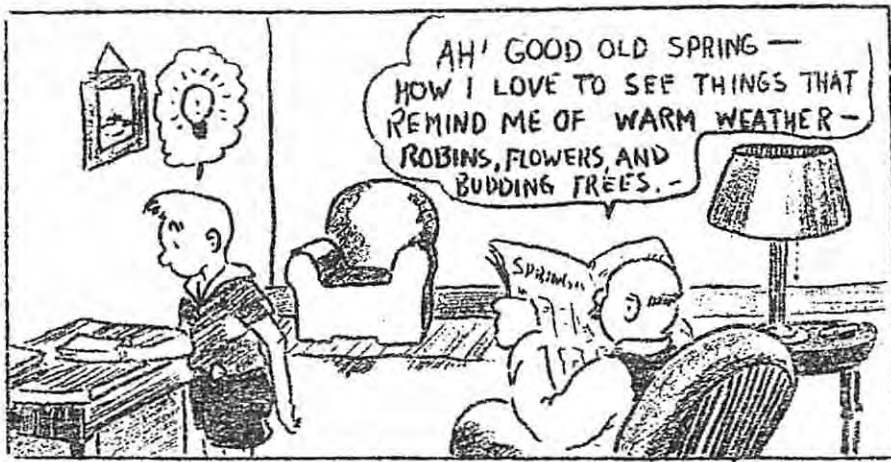
The Executive Committee as a means of furthering the object of the G-R Mutual Benefit Association to promote good will among the members has authorized Miss Ellinwood as a member of the Investigating Committee to see that any employee ill for more than a week receive flowers or some suitable substitute.

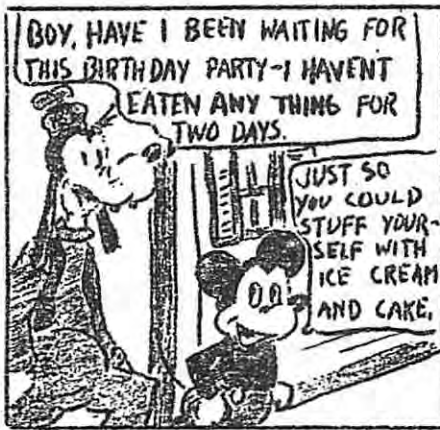
Also the Investigating Committee has been authorized to carry on the function of the Flower Fund in the same general manner that benefits are now paid, namely, that flowers be sent to a member in the event of the death of one of his immediate family (husband, wife, or child). Any group or individual who desires to make an expression of their own should feel free to do so.



SPRING TRAINING

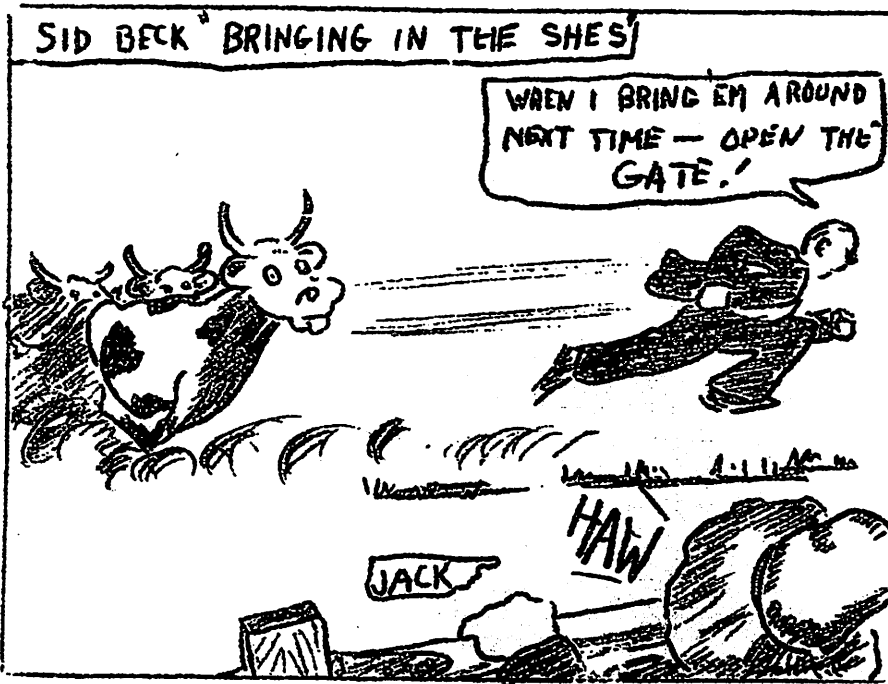
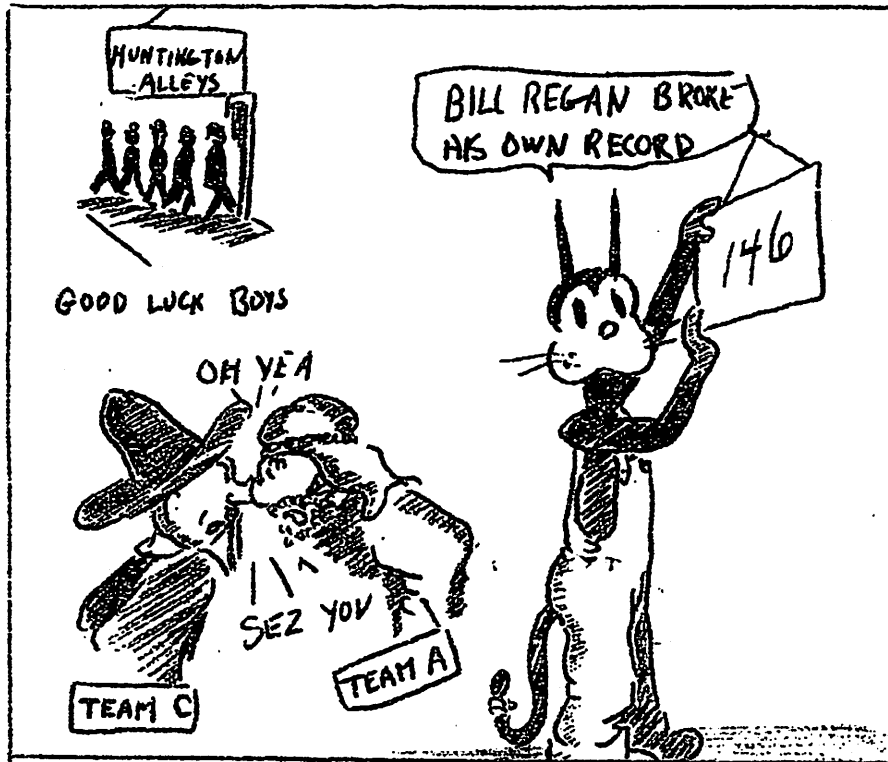
PELLEY





NOW THREE CHEERS FOR THESE GIRLS AND BOYS WHOSE BIRTHDAYS WERE IN MARCH - WILLIAM COMERFORD, EDWARD FAVRE, ROBERT GOODALL, DONALD GOVE, ELAINE GULLICKSON, NANCY HOBART, ELIZABETH HODGDEN, MARY MOFFAT, MARILYN OBERBECK, JIMMIE AND MARCIA POLLEY, SHIRLEY SCOTT, GERALDINE STANLEY, JOHN TUCKER, AND THE NEW TWINS - MILDRED AND WILLIAM MOREY. GEE WHAT A LOT OF BIRTHDAYS





General Radio News

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

Vol. 1

MAY, 1939

No. 7

On Friday afternoon, May 19th, we are going to hold Open House. We plan this occasion to give our friends and families, including children of Junior High age and older, an opportunity to see General Radio at work throughout the entire organization. From 2:30 to 4:30 small groups of visitors will be conducted through the plant and will have a chance to see just what father, son, uncle, brother or sister does to contribute to the success of the Company. This should prove much more interesting than visiting the factory at a time when the plant is idle. Watch the bulletin boards for further announcements and plan to have the family be our guests.

From May 17 to May 19 we will hold a Hobby Show in the library. There are rumors of many interesting exhibits but the success of the show will depend to a great extent upon the number of exhibitors. See Mr. Lamson during the next week and tell him what you will have to exhibit.

Just to test your powers of observation. Where are Front and Village Streets in Cambridge?

Front Street runs from Mass. Ave. to Windsor St. along the side of Building No. 1. Village Street is that short street from Mass. Ave. to State St. "Where that good parking space is," says Paul Hanson.

With apologies, if necessary, to Walter Winchell, what valiant crusader has gone the "way of all flesh"? Although it may have been an optical illusion; a member of the G. R., who has the persecution of "La Belle Nicotine" as his fetish, was seen indulging in the weed at the Bowling Banquet. The party concerned remarks "It is a noble sacrifice, to atone in some respect for the harm done to Charlie Guild's business caused by an attack in our local scandal sheet." Time marches on.

DID YOU KNOW

Pan American Airway serves nearly fifty American colonies and foreign nations. Has carried more than a million passengers and flown a third of a billion passenger miles. It has 5000 workers, 130 airplanes on 55,000 miles of airways.

That the U.S.S. Lexington once supplied Tacoma, Washington with electricity.

The largest library in the world is at Kier, U.S.S.R.

That the R.P.M. of an engine may be taken by the vibration.

The C.C.C. preserved not only our forests—but also, over a critical 5-year period, the morale of 2,000,000 of our youth. And helped more millions of folks back home with checks of \$25.00 monthly sent by each boy! With 300,000 boys in 3,000 camps, the Civilian Conservation Corps has improved over three billions forest acres, made 100,000 miles of trails, 4,000 fire lookouts.

Lament of laments — Our Krusade against Krime was a boomerang or something. Department W is getting more chocolates than ever, and they aren't even chipping in for the nickel box of bait,— just proves the old adage of: "It pays to Advertise." Oh well, we'll have to go after our commission.

Our stage talent must be good! Recently Dave Martin, Paul Hanson, Bid Allen, Rus Hatch, Butch Penny, Tom Palmer, Leon Scott and Jerry were borrowed to give a performance at the North Quincy High School for the Wollaston Recreation Center. A good time was had by all. After the show, a buffet lunch was served at Jerry's residence. Don't know who poured tea but somebody did.

"EASY" MONEY

If you turn to the proper page in your newspaper you will see any number of "money to lend" advertisements. The rate of interest in the majority of cases is 3% per month on balances under \$150 and 1½% per month on balances between \$150 and \$300. Please note that the rate is per month and not per year. That means that the annual rate is twelve times the monthly rate! On top of this monthly rate in most cases will be added additional charges such as "registration fee," "investigation fee," etc. Judge for yourself the advantage or disadvantage of availing yourself of this splendid chance to get yourself out of debt by a loan.

Of course there are some institutions from which you may borrow money at a substantially lower cost. One of the larger banks in Boston has recently entered the small loan field and charges 5% per annum discounted. They do not handle loans under \$100 and perhaps their investigation is more thorough and their clientele a little more select. Many lending agencies include with each loan the cost of insuring the life of the borrower for the face of the note while the loan is in force.

Until a relatively short time ago there were no restrictions in Massachusetts as to the usury charges for money. Needless to say the loan sharks became rich and the unfortunate borrower found himself in a much more deplorable state financially after the loan than before. The minimum charge by these lenders was 120% per year and rates as high as 1,000% were not uncommon. Since that time legislation has been passed, placing the maximum interest rate in Massachusetts at 3% per month on loans up to \$300. The borrower, however, is not so well protected on loans over \$300. It has been found that in many cases people needing about \$300 were induced to borrow more than that amount, and subsequently found that the rate of interest they paid was much higher than 3%. A bill is now being framed to raise the protection to loans as high as \$500.

Not all the states have passed legislation restricting usury rates. You might ask why such high rates have been per-

mitted. It has been found that in states where the legal limit was reduced below that amount, the result has been that licensed agencies have been unable to operate at a profit and have moved from the state, leaving the loan sharks to their glory. So you see there is sweet even with the bitter.

One loan agency in Boston that dared to tell the whole story advertised recently in a local paper, showing the total charges on loans from them in dollars and cents. Looking at the ad, we find the total charges for a loan of \$108 for eighteen months to be \$17.42, of which \$7.16 is called "initial charge" and their interest rate is but 1% on unpaid balances. Imagine what the borrower would pay if the charges were 3%, as advertised by other agencies.

We still think, and you may agree with us, that being a member of the G. R. Credit Union has its advantages.

W. Newell, the boy with big feet, believes he has the reason for the higher cost of his size shoes—extra territorial charge.

We've all heard of that famous bridge—the one that some people try to cross before they get to it. Fret, Worry and Fear built it and did a bad job. It's wobbly . . . and it never gets anybody anywhere. There's another bridge—Confidence—that is strongly engineered to carry heavy loads. Confidence sailed our pioneer forefathers across the turbulent Atlantic. Confidence helped our grandfathers extend the stubborn frontier and made ours the strongest and most abundant land on Earth today. Confidence is ready now to take America further still.

Some Saturday or Sunday why not take the family over to the Peabody Museum (Harvard University) and see those new miniature landscape sets showing a series of scenes from the virgin forest to the present time? The work on the trees is wonderful and one could spend some time standing before this exhibit. The big relief map is also on display. This shows all of greater Boston done in plaster and is about twelve feet in diameter.

Orders booked for the last third of March set an even faster pace than that for the first two-thirds which had already been reported in the News, so that the total for the month was \$102,777. March was the best month for catalog items since August, 1937, when the current slump started. It is also pleasing to report that since about March first new orders have been received at a rate sufficient for five-day-a-week operation, which is good news for everyone.

Due to the inclusion of one large special order, and considerable foreign business, the total for April, excluding the final week, is \$79,359, thus assuring us another month of full time.

As such a large part of all we make is sent outside of the United States, it is obvious that future predictions are extremely difficult in face of the present European uncertainties. To use the often-repeated current phrase "barring war," it is now expected that the five-day week is assured until at least Labor Day.

CAN YOU IMAGINE:—

Warren Webster without a coat and vest — Harry Goodall quiet — Department C devoid of would be singers — George Sharp not smiling — C. H. Mac-Intosh hurrying — Bill Lewis quitting at 4:30 — the 12:15 bell failing to ring as the 11:45 so often does — Walter Sherwood walking leisurely — Carleton Eade without a pocket comb — Bob Patterson with any bit of his attire disarranged — Bill Marvin shouting — Fred Gullickson not going fishing — Bill Fish not enthusiastic — No argument in the shipping room at high noon — Arguimbau with a new hat — Fred Stierli consulting his indicator before starting the wrong way when you ring for the elevator — A day when everybody expresses complete satisfaction with Chet Newell's rates.

Specialist: Could you pay for an operation if I thought one was necessary?

Patient: Would you find one necessary if I could not pay for it?

A most interesting movie of Mt. Washington was enjoyed April 18, in the library.

SPORTS

Out with the old and on with the new could be the theme song of this month, with bowling walking the plank and golf and baseball popping up. The bowling season was appropriately laid to rest with the annual supper and honoring of the winners. Team A composed of Capriulo, Comrie, Folan, Penney, and Schaller won the honors, and were presented with bill folds (empty).

Capriulo who nosed Regan in the final match took the highest average prize with 98.9. When Cappy got the presentation, everyone yelled for a speech. He turned a deep crimson and finally obliged and gave one—in Italian. Regan turned up with the high 3 string of 348 and high single of 146, walking off with two prizes.

Her car stalled at the corner and the traffic light changed red, yellow, green; red, yellow, green, etc. The polite policeman stepped up beside her car and said, "What's the matter, lady; ain't we got any colors you like?"

If it's a beautiful home you desire
For one of your neighbors to stop and
admire
Have its appearance made bright and jolly
By a coat of paint by Corkum and Polley.

STRAY THOUGHTS

Kindness goes a long way lots of times
when it ought to stay at home.

It's a sure sign you're getting old when
both your stomach and your hair start
falling out.

Any motorist will tell you that all the
wooden-headed drivers are not on the golf
course.

The lawn mower's warble follows too
soon the robin's keynote.

It takes a lot of pluck for a woman to
keep her eyebrows in shape.

We all like our friends to be perfectly
frank about other people.

PERSONALS

If one can judge by their tans and their beaming faces at the mere thought of the trip, Claire Creelman's and Eleanora Hutchinson's Carribean Cruise was a complete success. They are still undecided as to just what was the high spot of the vacation—Jamaica's cool and beautiful mountains, the view of the Panama Canal from the airplane that flew them from the Pacific to the Atlantic, or Havana's lovely night life, not to mention the excitement of almost missing the boat at every port. And now they are studying the map for other tropical isles to visit. Details furnished on request.

Howard Dawes claims that his cellar-full of electric railway is for the boy.

There are three G. R. employees who are about to embark on the sea of matrimony. Everett Lewis is to be married to Miss Ethel Eaton on June 3; Miss Elizabeth Mitchell is to wed Allan McKinlay June 10; and Bill Herb and Mary Alt are to be married some time in June. The exact date is a deep dark secret.

Miss Louise Ferretti spent a pleasant week-end in New York recently with friends. She reports that the air service between here and New York is excellent.

On our sick list for the past month was Paul Hanson. There have been a few absent for a day but we have been fortunate during this so-called grippe period that more have not been ill. However if Ol' Man Sol will put forth an appearance we all will feel much better.

Friends of George Wallen's, who has been ill at his home for several weeks, are glad to hear of his improvement.

"Slugger" Diebert has returned from his ten week stretch at Northeastern in time to bolster the G. R. baseball team.

Many from here watched from some distance or other the marathon runners. If Warren Newell keeps up his good work it wouldn't surprise us any to see him in next year's race.

Jo-Jo Hollis created quite a stir in the sales office a while ago when he called Jim Clapp from Waterville, Conn. on the teletype regarding trouble on a G. R. Frequency Standard owned by Western Union. The conversation lasted over an hour. As it was a Western Union call there was no charge.

Why does Mrs. Adams call for Kip on Thursdays?

By request of his co-workers in the Laboratory, Stan Larson has stopped mixing rubber bands with his smoking tobacco.

Miss Dunlap of the Accounting Office visited her parents (?) at their home in Johnstown, N. Y., over Easter.

Mr. Larry B. Arguimbau, red gentleman farmer from Sharon, is not engaged to be married. We understand that he is still in the radio repair business.

The skiing season is not officially over—Charlie Rice has his ski rack off but only for repairs.

Have you noticed how slim Bill Hart is becoming lately? His new Basement Ping Pong Salon is responsible.

April 7th marked the end of another college year for some of our Northeastern students. It's nice to see our friends from the other division after a ten weeks' semester, though we regret the absence of those who have returned to school.

Henry Maling, class of '39, who has spent his work periods in the Laboratory, has been awarded full tuition scholarship to Harvard for this coming year where he will obtain his Master's degree.

R. F. Field is back in harness after his long illness. He looked so well when he first returned, that he had to put on a head holding act (remember him at the Winter Party?) so the boys wouldn't think he merely had a vacation.

Irate Baseball Player: I wasn't out!
Sarcastic Umpire: Well, just have a look at the newspaper tomorrow.

BOWLING
CHAMPS,



CAPRIULO



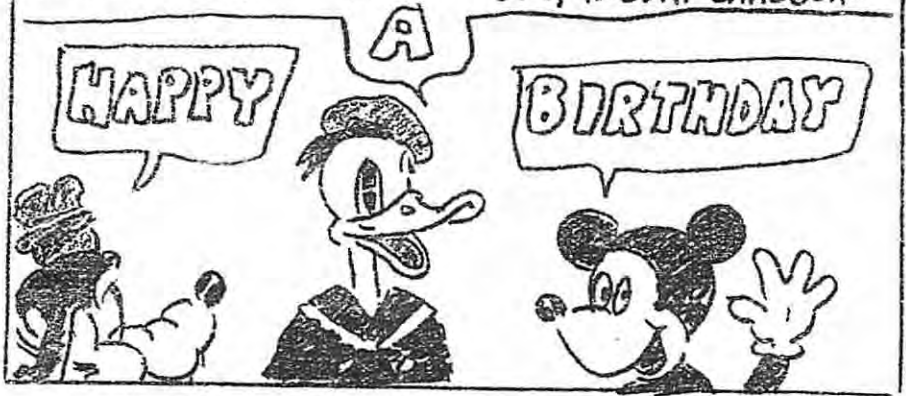
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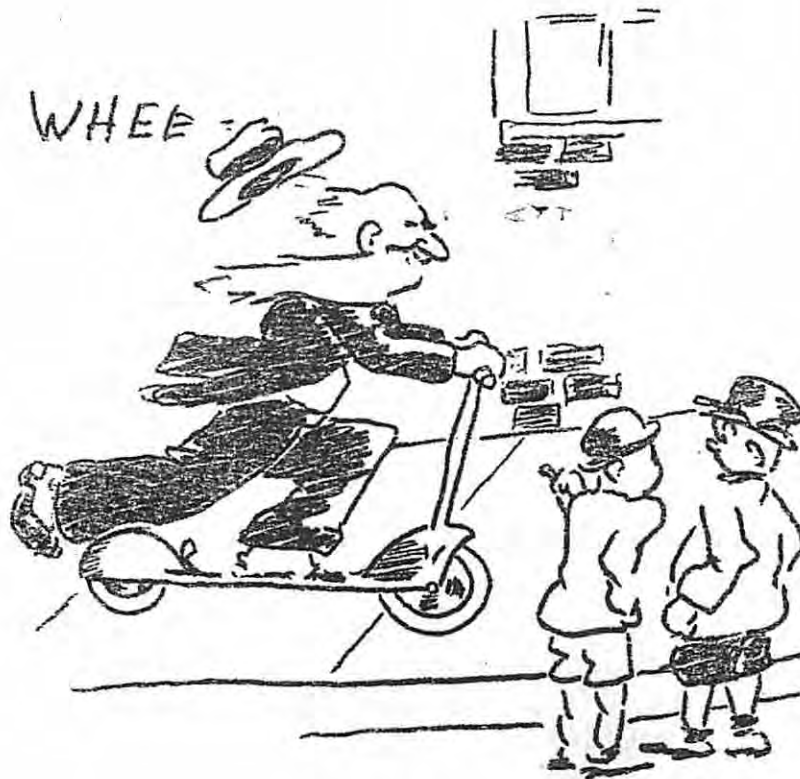
Photo
by
Butch.





ALTHO GOOFY MISSED HIS ICE CREAM WE ARE ALL GLAD TO WISH - JEAN BECK, CHRISTOPHER BUCKINGHAM, GEORGE FAVRE, LOIS HOWLAND, LOWELL M'ELROY, PAUL MONTGOMERY, ROBERT SANDBORG -





HE JEST GOT IT, — AFTER
SAVING COUPONS FER SIXTY YEARS

General Radio News

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

Vol. 1

JUNE, 1939

No. 8

OPEN HOUSE

General Radio's first Open House proved to be so popular that, originally planned for one afternoon, it became desirable to divide our guests into two parties, seventy coming on Friday, May 19th and one hundred and two on Monday, May 22nd. Under the leadership of various members of the production office and the engineering department, small groups of visitors followed a prescribed route which enabled them to witness the entire plant in operation. Several foremen provided special exhibits and demonstrations of the work in their own departments.

Interest in this event was quite keen and, according to all reports, everyone had a thoroughly enjoyable time. Comments were freely made of the attractiveness of our plant, the interesting nature of our work, and the esprit-de-corps of our personnel. Many of our juvenile guests were emphatic in their desire to "work at General Radio some day."

At the conclusion of their trip around the plant, our guests partook of refreshments served by two young ladies from the office and then adjourned to the climax of the afternoon,—the Hobby Show.

The Hobby Show provided a rather astounding and diversified display of the talents and outside interests of a considerable number of our personnel. There were, in all, fifty-nine exhibitors, several of which submitted more than one exhibit making a total of eighty-five individual displays. Among these, sixteen of our talented artists submitted paintings, drawings, sculptures, wood inlays, jewelry, wood carvings and other samples of skilled handicraft. There were six exhibits of photographs, lantern-slides, and postcard souvenirs of foreign travels. Four philatelists brought in samples of their collections. Considerable interest was shown in two remarkable steamship models, the freighter "City of Quincy" equipped with a complete steam-driven power plant and berthed at a dock on

which stood miniature scale-model freight cars to make a most realistic water-front scene, while nearby was a handsome reproduction of the U. S. destroyer "Preston." Other navigational interests were represented by a large graceful yacht model and two small square-riggers, one assembled in a bottle. We had an interesting display of toy steam and aeroplane gas engines which would really run, together with several aeroplane models. Attractive articles of needlework and domestic decoration added a happy feminine touch to the show. Our radio hams were well represented by DX cards, radio equipment, and displays of ancient and modern vacuum tubes, while the Gracat Club had an intriguing telescope and an exhibition of lens-grinding technique.

Miscellaneous exhibits included a very interesting coin collection, a remarkable surfboard, old maps, posters, travel curios and souvenirs, marksmanship trophies, block printing, hand made tools, several unique floor and table lamps, furniture, weather vanes, photographic souvenirs of histrionic activities, interesting displays of watch parts, thermocouple and vacuum tube assemblies, issued patents, horticultural exhibits including a unique donkey bourne "parade of the cacti", and prehistoric General Radio equipment.

The exhibition was arranged very artistically by Miss Elinor Clapp, ably assisted by Paul Hanson. Altogether it was an exceedingly worthwhile endeavor, and thanks and congratulations are due to all exhibitors, Open House Guides, and others who helped to make it a conspicuous success.

Luke Packard has just returned from a four weeks sales trip. He visited almost every customer that amounts to much in the central middlewestern states. Martin Gilman covered the northern central states a couple of months ago. May-be that is why business hasn't been as bad as it might be lately.

SAFETY CONTEST

The State Wide Industrial Accident Reduction Contest has now passed the first quarter with the Raytheon Production Corporation as the banner winner in our group. This company worked 799,314 hours as compared to our company's 94,030 hours with no lost-time injuries.

The frequency of industrial accidents to contestants is increasing. Of the 139,927 employees there were 701 lost time injuries resulting in 39,021 days of lost time.

During the first quarter there were three fatalities (one fall, one falling material, and one electrical burns.) There were also many finger and combination finger and thumb amputations, all of which accounted for 26,900 days of lost time.

The causes of most lost time injuries were listed as:

1. Improper handling of hand trucks.
2. Using substitutes for ladders.
3. Greasing belts on machinery while in motion.
4. Improper placing of equipment.
5. Poor judgment used in the handling of heavy loads.

Our company's record for the past four months has been gratifying. Let us continue to exercise good judgment and reasonable care in the prevention of painful and costly accidents.

WHY FRONT STREET?

Now that through the May first issue of the NEWS you know where Front Street is, perhaps you have raised the question as to why such a small and unimportant street should have such an important name.

In the earlier days of Cambridge a considerable portion of this section was marshlands and the street that bordered these marshes was Front Street. It was then properly named. After the land was filled in and reclaimed for building purposes the irregular Front Street was replaced by a new wide road now known as Massachusetts Avenue. One small portion of the original Front Street remained, and it is that section on which Building No. 1 faces.

BUSINESS

New business for April topped March by just over \$500, providing us with a total of \$103,322. May, however, has slowed up somewhat so that the total for the first 22 days of the month is only \$62,039. This decline is not at all serious provided it does not indicate that the new slump which many lines of business are now experiencing is being extended to our line. We are still hopeful that the line of new instruments will provide us with sufficient additional business to keep our trend contrary to the general business trend, as has been the case for the past five months.

DRAMATICS

We are pleased to announce that another play, dance and bridge will be presented by our own talent sometime during the latter part of June and probably at the Cambridge Y. W. C. A. The play, which will depict the dramatic demise of villainy and the inspiring victory of virtue in the old homestead is entitled "Curses, The Villain is Foiled." And boy—does he get his! A good melodrama with a good cast. It should be well worth attending. Watch the bulletin board for more information.

AGENT NOT LOST

It is not always safe to believe what you read in the papers even in such a reliable sheet as the General Radio NEWS. Last month's issue told how we had lost an agent in Czecho-Slovakia, but it now appears that this has not occurred—yet.

After a long silence our representative there wrote in reply to a letter of ours, inquiring about the situation, that he could not understand our letters unless we in America were greatly misinformed about conditions in Czecho-Slovakia. There was no need to anticipate any change in our relations because business was going on in Czecho-Slovakia in exactly the same way as it had during the last twenty years and would presumably continue so.

Even more interesting, we have received orders totalling more than \$700. (and the money to pay for them) within the last month.

PERSONALS

Bob Turner of the Standardizing Laboratory Staff has been awarded a full tuition scholarship to the Harvard Graduate School of Engineering. Congratulations Bob!

We hear that Carl Woodward won another peck of medals with his trusty rifle this year—hold 'em and squeeze 'em Carl!

Merrill (Hobe) Hobart has had some trouble with his appendix lately. Having seen Dr. Mabrey's movies on the delicate subject, Hobe decided to defer operation.

Some one said they saw Wilkins walking the other day, but he had just slowed down to turn a corner.

That steady pounding we have been hearing lately was not Bertini's punch press. It was really Everett Lewis' knees knocking harder and harder as June third approached. (See "Personals" in last month's News.)

Many of the hobbies were too bulky to display at our recent Hobby Show. There wasn't even room for Mr. Locke's farm.

We hear that Horatio Lamson is building another concrete wall. His trouble now is finding room for them. We expected him to have a few on display at the Hobby Show.

Remember the Telescope Club? They say that many of the telescopes, started several months ago, are still unfinished.

We caught Herman Ausin not eating the other day. We were afraid he was sick, but he had just paused to open a fresh bag of peanuts.

Many of the G. R. girls have recently enjoyed the "Pops."

As we go to press C. Bertini is at his home ill.

May 17 proved to be a lucky day for Dr. Mabrey. For it was on that day at a Lexington Golf Course that he made a "hole-in-one." We are certain that Dr. Mabrey will give instructions to any one desiring them.

A. Stanley recently spent a week-end fishing on the Cape. As there were no G. R. boys present we will never know if Stan. fell in or if there were any other happenings.

It was nice to see the rest of the departments come up to the standards of Department A for cleanliness and good-housekeeping during our G. R. Open House.

Did you ever take stock of some of the nicknames around the Plant? Here are a few off hand. "The Hun" George Bickell, "Axel" Henry Anderson, "Jerry" James McLellan, "Bill" Fortis Hart, "Hi" Comrie, "Butch" Penney, "Muffie" Mof-fat, (that little silent man,) "Bid" Allen, "Toots" Ellinwood, "Skipper" Jack Johnson.

The reason for that new careworn look on Argy's pan, is that he recently became an uncle.

The R. F. Field recreation center is now in full swing. Large groups can be accommodated at any time. Many different games may be played at the same time—but watch out for a tether ball in the back of your bean while playing shuffle board.

Mr. W. H. Sherwood recently returned from a combined business and pleasure trip to Norfolk, Virginia via boat with stops at Baltimore and Philadelphia.

"Bill" Regan and his wife spent a week recently in New York visiting friends and going to the World's Fair.

We wonder what a gray squirrel was looking for, around the G. R. yard the other day?

Roger Schaller appeared April 19 with a new Oldsmobile which was admired by many. Saturday April 22 about 10 P. M. (?) as Roger was leaving Boston for home, his car was sideswiped with left front and rear fenders damaged. Better luck next time, Rog.

Question: Why is it so many minor aches, pains and what have you are developing lately?

Answer:

There is a nurse in our shop and she is wondrous clever.

She'll hand out pills and cure all chills without a murmur ever.

She tends the sick both here and there, and to the hospital goes,

With kids and grown-ups both, but gosh, as the G. R. gang well knows.

She gives advice to all who ask, advice that's always good,

That's why we find a crowd upstairs, whose health is *not* so good.

Miss Elizabeth Mitchell, whose wedding to Alan McKinlay will take place June 10, was tendered a shower May 4, when Eleanora Hutchinson was hostess to Miss Mitchell and the G. R. girls at her home in Newton. The guest of honor was presented with many lovely gifts. Games were enjoyed by all and delicious refreshments were served. Assisting the hostess were her mother and sister.

George Wallen has returned to work after several weeks' illness.

Otis Barkman is at the Baker Memorial recuperating from an emergency appendectomy.

Friends of Arthur Edgecomb are sorry to learn of his illness and wish him a speedy recovery.

CREDIT UNION NOTES

April 30th ended another 6-month period of Credit Union activity and the declaration of a dividend at the rate of $4\frac{1}{2}\%$ per annum indicates that it was a fairly prosperous one. Accounts have been quite active and while the number of loans written during the period dropped under the preceding one, outside investments have yielded a good income. The high dividend rate declared for this period, which, incidentally was the highest since November, 1935 when we declared 5%, was due principally to \$123 received as interest on ten Everett Co-operative Bank shares when they matured last November. Without this our rate of dividend would have been substantially lower.

Total cash transactions amounted to about \$29,000. We received about \$270 more during the period than we paid out, which is or isn't good depending on how you look at it. Total income received was \$751.45 of which about \$450 was dividends and interest on co-operative shares and Savings Bank accounts. Our gross income for the preceding 6 months was \$150 less.

Despite the reduced working hours since last fall the net change in the share accounts has been a reduction of only about \$200. While the withdrawals were heavy for a while, conditions were

normal for that time of year due to Christmas purchases and the payment of taxes and automobile insurance.

Fines due to non-payment of loan installments increased about 60c for the period, representing only a \$60 increased delinquency which, considering everything, is hardly alarming. Expenses were \$42.25 a decrease of \$11. The expenses include dues to Credit Union organizations of \$29.50 and \$10 examination fee to the Commissioner of Banks.

An interesting comparison which graphically indicates the growth of the Credit Union during the past 9 years is the dividend declaration in April 1930 when a rate of 6% occasioned a payment of \$84.55. The payment of $4\frac{1}{2}\%$ at this time took \$577.80. Amounts necessary for dividend payments will increase in ratio with the increased share balances and it follows that unless loans increase correspondingly, future dividend rates must be lower. Although up to the present time co-operative bank investments have been fairly lucrative, competition in the mortgage field has grown very keen and we fear that future dividend payments may be reduced. Matured shares are paying at the present $3\frac{1}{2}\%$ on the average and Savings banks but 2% and $2\frac{1}{2}\%$, so you see in order to meet expenses and declare a dividend of even 4%, income from our personal loan accounts has to be a substantial part of our gross income. With some Credit Unions charging 6 to 8% on loans and paying dividends little if any higher than we do, gives rise to the thought that we are operating on a very small margin of expense.

The financial condition of our Credit Union at the present time is excellent and while our dividends may be reduced our record for service will always maintain the high standard it has held in the past.

PENNIES FROM HEAVEN

"Butch" Penney was very happy to pass out the stoggies on May 22nd, when he became the proud father of a girl, Janet Arlene. Butch went through the ordeal O K and both father and daughter are doing well. We expect to see some sketches of the new Penney in the very near future.



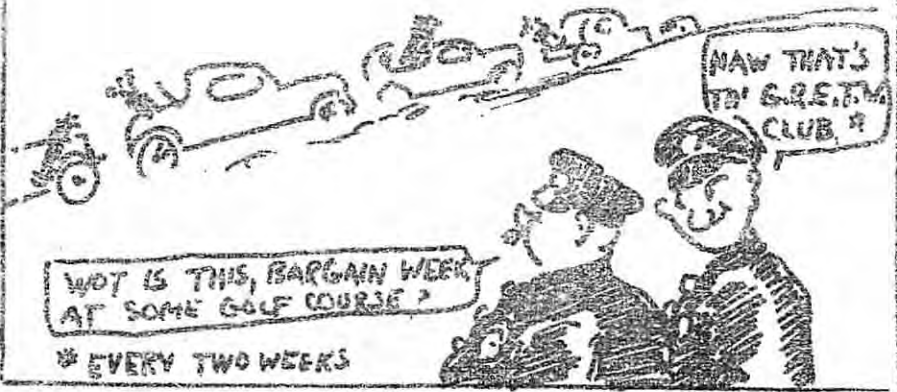
IRWY TAKES IT THE HARD WAY



WELL WE WON OUR 1ST GAME ANYWAY.



BILL HERS IS IN A BATTING SLUMP!
(NEVER MIND BILL YOU'LL PULL OUT O.K.)



WOT IS THIS, BARGAIN WEEK AT SOME GOLF COURSE?

NAW THAT'S TO' G.R.E.T.M. CLUB?

* EVERY TWO WEEKS



— "OPEN HOUSE" DISCOVERY —
HEY MOM, ISN'T THIS THE JACKKNIFE YOU
GAVE ME FOR CHRISTMAS, AND DAD TOLD
ME MUST HAVE BEEN MISLAID? "

Butch



HURRAY FOR THESE MAY BIRTHDAYS - FRANCES M. BARKMAN, ESTHER FAYRE, MARSHALL HILLS, ELINORE MARTIN, SUSAN D. TUTTLE, ROBERT C. REVOU, AND THE NEW ARRIVALS JANET A. PENNEY AND RICHARD





THAT ONE LOST TOO? — MY, MY, THAT
MAKES TEN SO FAR.

General Radio News

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

Vol. 1

JULY, 1939

No. 9

NEW MEMBERS OF THE GENERAL RADIO FAMILY

R. F. (Rudy) Recke—Wentworth '35, now attending Lowell Institute. Started working in the Standardizing Laboratory in April.

H. E. (Ed.) Fuller—Franklin Union Technical Institute graduate and assistant instructor. Came to the Standardizing Laboratory in May after three years of field engineering work at General Electric.

Walter Young is working in the stock room again this summer after having completed his sophomore year at Bowdoin.

Albert Wallen, son of George Wallen, is now working with Fred Howland in the receiving department.

George Klemm, whose home is in New Bedford, is our latest "Co-op" employee from Northeastern. He is working with John Wade in the inspection department.

William Unger is employed in the laboratory for the summer.

OUTINGS AND STUFF

Have you ever considered how many things we accept today as a matter of course without a thought as to the how, when and where connected with them? The airplane, the radio, the electric refrigerator and the automobile are a few things which, had a man possessed them all fifty years ago, he would have created even greater world-wide attention than Herr Hitler with his mustache and *kampf* today.

So it is that we go to our summer outings and few of us are aware of the hustle and bustle which is necessary to make them possible. Each year the committee visits many parks with the sole purpose of selecting one which offers the most towards a better outing. Altho' there has been criticism about Canobie Lake having been selected for so many consecutive outings, so far it has proven the best.

Then there is the dinner. Dozens of menus have been examined and dozens of caterers considered. Price, reputation of the caterer, personal tastes and many other factors enter into the final choice. Sports must be planned which will interest everyone. The day finally chosen must coincide not only with our own freedom but with the availability of the park. Then the final count of probable attendance. This is necessary for the caterer's guarantee and believe it or not some people have to be coaxed before they will commit themselves.

The primary function of the organizers of these outings is to appoint people who may be depended upon to sacrifice their own time conscientiously so that you and I and our families may enjoy a day in the open.

Of course, all this has to be paid for and it may be news to some to learn that the General Radio Company has always given us these outings and paid all the bills. Last year's outing cost \$629.30 and was attended by 408 people, which was probably the largest attendance but not the most expensive picnic. While the winter party and the outing may be organized by members of the GRMBA this association is financially responsible for the winter party only.

So when we all talk of the fine time we had at Canobie and how much our families enjoyed themselves, that is when the people who have made it possible feel that after all it was worth while.

John Clayton is the proud owner of a letter from Parker Christian, a descendant of Fletcher Christian of "Mutiny on The Bounty" fame. The letter was from Pitcairn Island and was very interesting to read. Of course friend John was happy about the whole thing, you know how he is.

Success comes to those who make hay of the grass that grows under other people's feet.

OUTING NOTES

Everett Lewis said that his new wife did not go to the outing because she had to work. He told everyone the same story, anyway.

From where we sat the dinner was a great success—an abundance of good food well served. The only complaint was lack of room for more ice cream.

We met quite a few search parties during the day who greeted us with, "Have you seen my wife and the other two kids?"

There must be a great many youthful drivers in New Hampshire. The signs read, "Warning Drive Careful Children."

People were alarmed at seeing sailboats all over the park until they realized that the boats were murals on the Petersen shirt.

Dave Martin won the wheel-barrow race from Sid Beck, because nature had endowed him with a larger proboscis.

We understand Bob La Porte had a slight case of amnesia. He started for Canobie Lake and suddenly discovered he was nearly to Newburyport on Route 1.

Several of the boys seemed to be looking after their health pretty well, as they were seen taking their medicine quite frequently during the day.

PERSONALS

As we go to press, Gus Anderson is at the Baker Memorial Hospital, but expects to return to work soon.

Someone suggested that Paul Hanson be made a salesman. During the ticket selling campaign recently Paul was seen pushing around a radio pick-up set and entertaining with a few numbers, after which he very nonchalantly began to offer tickets for sale. Good work, Paul.

A recent card from Bill Dennis, who is vacationing on Prince Edward Island,

states the lobsters are fine. Don't forget your friends, Bill.

A recent wedding of interest was that of Ethel Kierstead, daughter of our well-known Charlie Kierstead, to Frank D. Mattson on June 10. Joan Pettit, daughter of Fred Pettit, was the lucky girl to catch the bridal bouquet.

The verisimilitude of standardization in purifying from moral impurities. Would Department A elucidate the execution of incendiarism. In other words Department W says it is nice to approach the standards of Department A in cleanliness, but are sorry not to be allowed to set fires!?

We were all a little disappointed not to have had our days' sail on that big ketch owned by John Clayton's friend, but it will materialize on July 23rd and it will be a great day to look forward to.

If you hear talk of little pots and of Creeping Jennies and other items of the garden, it is only the overnight interest in horticulture which has sprung up all of a sudden. Among those who have gone back to the good earth in a big way are Bid Allen and Big Sandy.

That stork was here again. Mr. Karplus "Gold Star Daddy to you" is the proud parent of Elizabeth and John Paul, who arrived on June 12th.

Six of the G. R. gang are in the Maine woods having their annual battle with mosquitoes and black flies. The six who call sleeping on the ground for a couple of weeks a vacation are Rice, Martin, Dowden, Newell, Starkey and Johnson, your scribe. Don't know why I go every year unless it is to see who will win this endurance contest. Of course there are good eats, sailing and swimming every hour and good fishing, too.

A big "hello" and a "how ya' doin' " to Arthur Edgecomb from the whole gang. Don't think you're not missed, so hurry things up as much as you can so you can get back soon.

The most confirmed clock watcher in the plant is Paul Hanson. You may find him perched on a bench watching the master clock tape most any noon.

Ivan Easton of our Standardizing Laboratory Staff, has been awarded an instructorship at Harvard Graduate School

of Engineering, where he has just completed the work for his S. M. Degree.

The reason for the soiled condition of our feathered friends around Arlington Heights may be that the youngest Bousquet thinks she is a bird. Arthur has to keep his bird bath dry because he built his daughters' pen too close to it.

Miss Helen Field, daughter of our popular engineer, R. F. Field, won the championship of the Watertown High School Model Yacht Club. This was her second season. She built her own boat and was the only girl racing.

Herwie Dowden played golf for two days recently; one of those 72 hole endurance contests. The result was he got a birdie—a birdie of a sunburn. Finally he was forced to bed as a result and required the services of a medico who says: "You should have called the fire department, too."

I've been wondering for some time Why women's hats. As I gazed around the bus one morning on the way to work, the answer came to me out of a cloudy sky. It is the influence of the one and a half room apartment where, to conserve space, everything must serve two purposes.

Here are a few examples of the other uses for some of these creations when they are not parked on some fair damsel's noggin:—a window box, a hot plate holder, a feather duster, a jardiniere, a vase, a bed for the kitten, a tea cosy, a feed bag for old Dobbin, and a napkin or tablecloth.

RELAXATION

The power to relax when fatigued is one of the most important safeguards of health one can possess. Every bodily effort requires rest after exertion. Muscles require relaxation after every contraction. The heart rests between beats. The individual tense in muscle and nerve is gradually wearing himself out. The secret of working power and lengthy span of life is as follows: Never run when you can walk; never walk when you can stand; never stand when you can sit, and never sit when you can lie. Now you are relaxed and of course lazy. So now we

have to reverse the process thusly: never lie when you can sit; never sit when you can stand; never stand when you can walk; never walk when you can run. Now we are fatigued again, so let us assume that relaxation is a short vacation between two activities.

ODE TO FUTILITY

Four little boys a-fishing went
Just by themselves on pleasure bent
Up to the wilds of good old Maine
Up where the salmon grow fat and vain.

On Saturday morn they went out on the
lake

Before they were really half awake.
The night had been short and their gab-
bing long

But there they were with a laugh and a
song.

With lines and reels and poles and a
lunch

They were off to catch salmon all in a
bunch.

They fished and they fished all over the
place,

They fished till they were quite red in the
face.

Spinners and flies and minnows and
prayers

All were used to catch fish unawares.
But the fish wouldn't bite—they weren't
fools—

Why do you think that fish go in schools?

One little fellow about six inches long
Had already sung his own swan song,
And wishing a fish-broken heart to hide
Grabbed a hook to commit suicide.

That was the only fish that they caught
Bob and Ray and Charley and Aut.
Those valiant fishers of lake and stream
Who as fishermen really are a scream.

Up where the salmon grow fat and vain
Up in the wilds of good old Maine
Where fishermen age with worry and ten-
sion

And salmon grow fat on their old age
pension.

STRAY THOUGHTS

It's a cinch to cut the other fellow's budget.

A friend that ain't in need is a friend indeed.

When a woman gets so fat that she can't get into a telephone booth—there's no use talking.

Perseverance and obstinacy are not the same. The one means a strong will, the other a strong won't.

COMMERCIAL INTERESTS

Miss Helen Hoefler spent the weekend of June 17, visiting friends in New York City.

Miss Eleanora Hutchinson spent a few days recently in New York attending the World's Fair.

New members of our department are Janet Cole of Somerville, a Simmons' graduate and Elizabeth Dolliver of Belmont, a graduate of Massachusetts State and Pierce Secretarial School.

Miss Virginia Lynn left Friday, June 23 to spend a few days with friends at Lake Placid.

Mrs. Harriett Rodgers is spending her vacation visiting in New Jersey and New York.

THE GOURMET

When he walked into the night club there was a crowd in the lobby that took little notice of his appearance. He had waited what seemed an eternity for this one evening. In his youth he'd had dreams of being a gourmet but had long been limited because of his work. More recently another misfortune had befallen him and he had almost despaired of joining the select few who gathered for the annual dinner. For two weeks he had been on an abstemious regime, but just today he had been told that he could eat whatever he wanted. Tonight would be the great experiment.

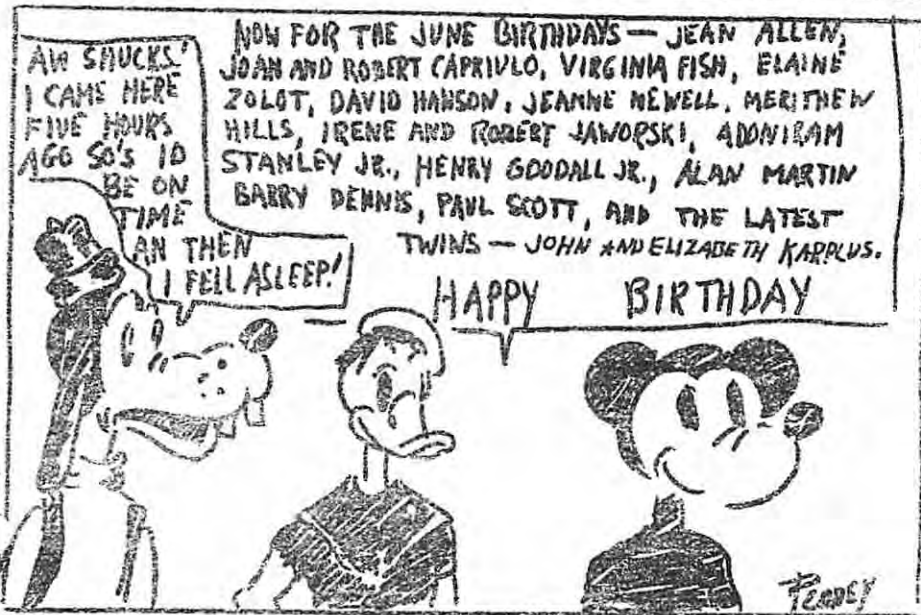
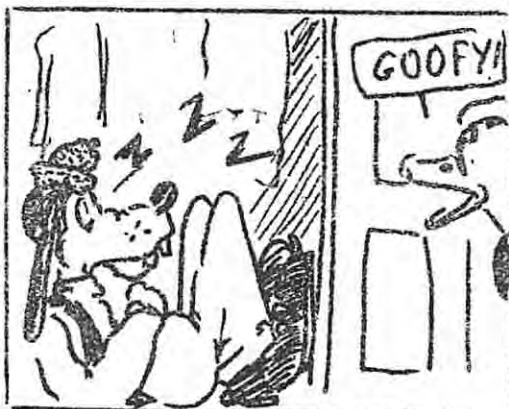
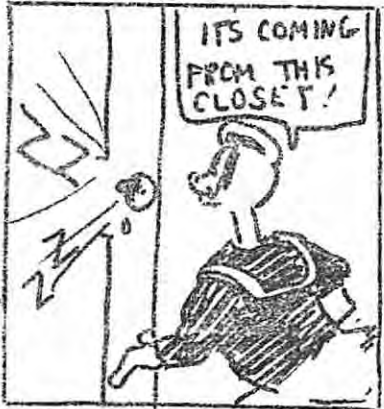
The maitre d'hotel bowed him politely to a table at which several of his fellow epicures were seated. He bowed to them deferentially. It was difficult for him to conceal an anxiety about the occasion. He chatted pleasantly about current topics but eventually found himself discussing Vouvray which was his favorite subject as well as his choice indulgence. Throughout the pauses in the conversation he closed his eyes and reflected on the test he was about to make. He received almost perverted pleasure from the fact that those about him did not sense his predicament. He was almost tempted to hint at the situation and toy with his fellow diners. It would be fun to watch them writhe in their ignorance of what was before him. The introvert in him prevented this sortie, however, and he closed his eyes again to revel in a problem which was all his own and which he now hoped to keep his own.

In keeping with the custom of the group no speeches were made. After a well calculated interval the first course of clear green turtle soup was brought in. The wine was Chablis Vaudesir 1929. This was followed by sole au vin blanc which brought him to another level of enthusiasm. His epicurean tastes were difficult to control because the experiment was progressing with a crescendo which even he had not anticipated. When the veal steak, saute au buerre norsette, with braised celery and risotto florentine was brought in, it was hardly a fair test because Louis had prepared it so perfectly. The wine was Chateau Paveil de Lutz, 1920. Assorted cheeses and fresh strawberry tarts completed the menu.

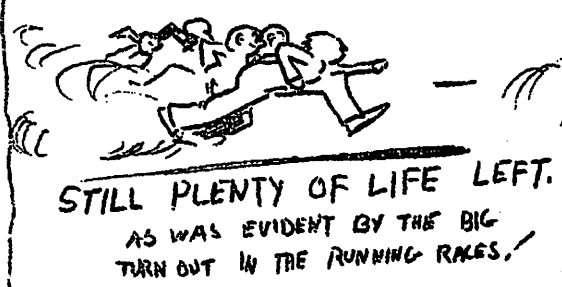
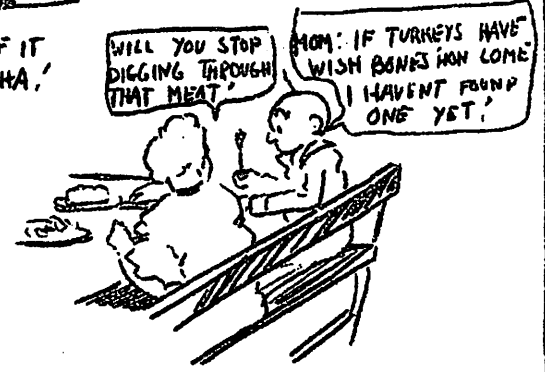
He was glad he had not let the other diners in on his great experiment of this memorable occasion. When he returned to his room that night he slowly drew a tumbler of warm water. With great deliberation that bordered on reverence he removed his new false teeth and gently immersed them. He must be kind to them because they had served him far beyond his expectations.

E. L. BRIDGE.

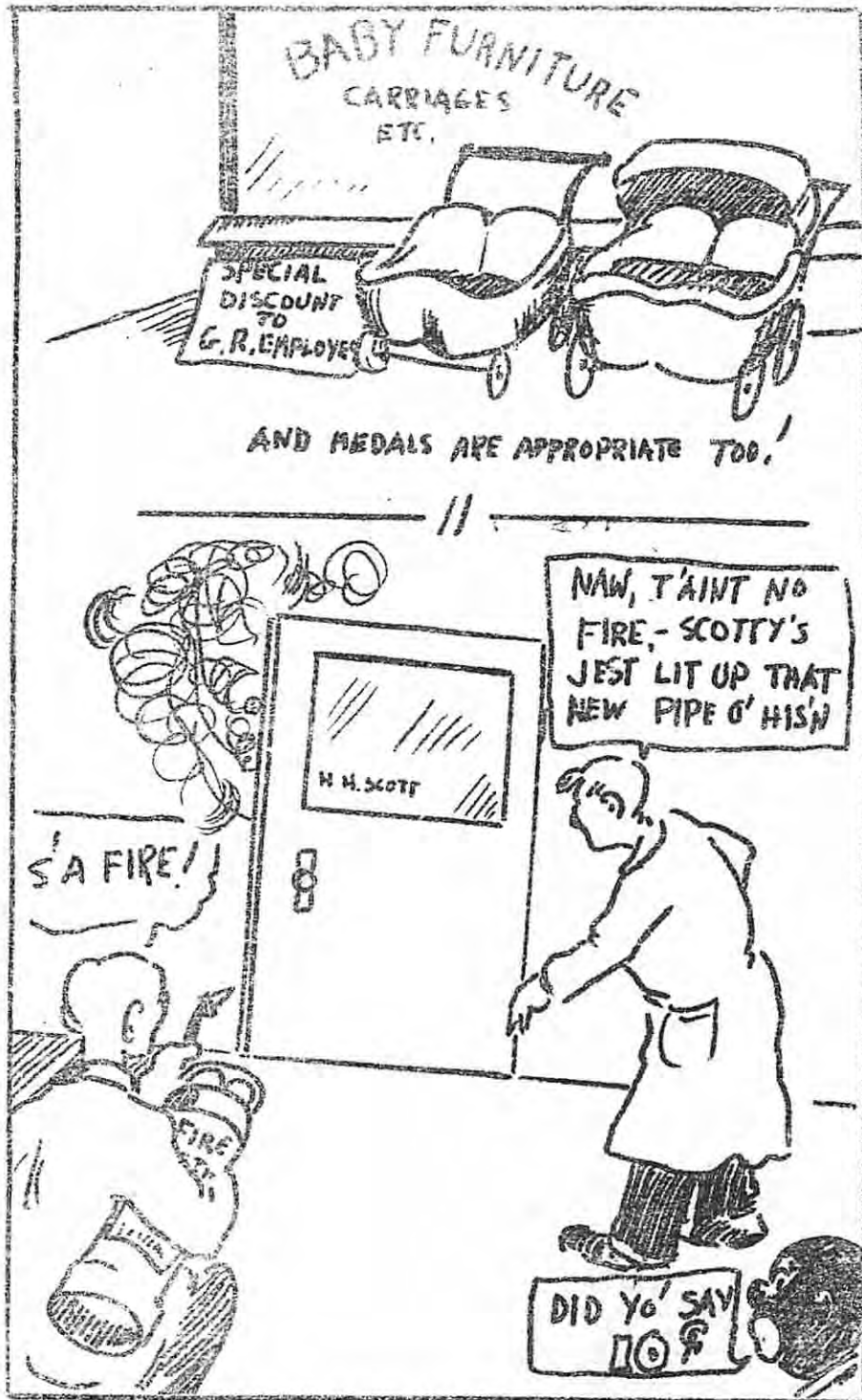
War determines not who is right, but who is left.



AT THE
OUTING —



THE YOUNG EXPLORER
Finley



General Radio News

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

Vol. 1

AUGUST, 1939

No. 10

\$16.00 A WEEK BUDGET

Due to the popularity of budgets among the more money-minded individuals the Society for the Employment of Aspirin Manufacturers have prepared the following budget for after-dark accountants earning \$16.00 a week somehow:

Food	\$2.10
Movies	1.00
Nigger pool	.75
Dog food	.85
Liquor	6.50
Rent	Next month
Lunches	1.50
Wife's beer	1.20
Furniture	On time
Car fare	1.00
Credit Union	.02 (fine)
New suit	2.00 down

The above allocation of the week's pay shows that you are in the red for 92 cents each week, so as to show a surplus for savings we suggest that the wife's beer be omitted.

"Were you lucky at the races yesterday?"

"I'll say I was. I found a quarter on the way out of the grounds so I didn't have to walk home."

Sunday school teacher (Miss Crowe)
"Now, children, you must never do anything in private that you wouldn't do in public."

Sammy: "Hurray! No more baths!"

SERVICE

General Radio's Service Department (known to a certain few as the "Sour-Puss" Department) always has a policy of consistently maintaining and furthering the good will of our customers. At the same time, the costs of no-charge service and repairs should be kept at as low a level as possible. Our equipment is no better than the service it gives or the service which can be rendered in the event of failure. So the Service Department is

always striving to keep our customers satisfied, letting them know that the General Radio Company is vitally interested in the operation of their instruments and ready at all times to assist them in any problems of use and maintenance. Naturally, these activities all help to increase our sales, for no customer will tolerate poor service from his instruments or from the company that manufactures them.

During the past two years, records have been kept so that the cost of no-charge service is known from month to month. It is with great satisfaction that the Service Department can report that the cost of no-charge service to our customers during the first six months of 1939 is less than half the cost for the same period in 1938. Despite the larger number of instruments sold this year, there have been fewer returned for service, and the average cost of handling each one has been reduced.

Many factors have contributed to this decrease. Some credit, of course, is directly due to the activities of the Service Department, but a greater portion can be attributed to the cooperation of all employees in the more careful design, manufacture, testing, handling of orders, and shipping of our equipment. Records in the Service Department clearly indicate that instruments designed and manufactured during the past year and a half have not required as much no-charge service as previous instruments. A few of the newer types have not yet been returned for any service whatsoever.

The Service Department is dependent upon many people in our plant for assistance in making prompt and satisfactory adjustments of complaints. It is very gratifying that every one is so willing to cooperate and help to the utmost in maintaining the high standard of service for which the General Radio Company enjoys a wide reputation.

Mud thrown is ground lost.

OF FISH AND MEN

The effect of fresh air and sunshine certainly is conducive to a stimulation of the mental processes as is evidenced each Monday morning by the tall tales told by the returned vacationers, particularly the amateur anglers. Their technique at recounting astounding improbabilities that occurred when "you should have been there" has reached a point when glib descriptions are accompanied by blue prints as so well portrayed recently by a certain frustrated salmon fisherman.

Why is it that Lady Luck is so bountiful to lone fishermen when no other prying and doubtful eyes are present to bear corroboration of such magnanimity?

We all can appreciate a neat tale well told of how the big one got away and even enjoy a vivid account of the one finally landed after a half hour of back breaking labor with the fly rod bent double most of the time but when all this is accompanied by drawings by an admitted and proven amateur artist (see record of hobby show exhibits) we think that we have seen and heard about all there is in this mundane existence worth seeing and hearing.

He deserves credit just the same. The drawings were pretty good for an amateur specializing in portraits. They looked as fishy as the story smelled.

As tho' the art exhibit weren't enough did you catch the added psychological touch in the flashy new suit that just breathed the acme of successful angling?

No, the whole business was just too, too perfectly complete in detail, and, like flies, anyone can draw a fish.

Better luck next time, young feller.

When your tonsils and teeth are gone, there isn't much else the specialist can pull except your leg.

Advertisements

Polaroid glasses are on sale in the First Aid Room.

Wanted: Passenger going to Ohio or vicinity on or about August 28th. For further information see Al. Parlee.

BUSINESS

General Radio business continues to fluctuate, and fortunately the recent fluctuations have been in the right direction. Not counting Government contracts, April was the best month since August, 1937. May dropped off sharply to below \$85,000, making it the worst in this year. Then June orders restored the very encouraging trend established the first part of the year and totaled \$119,964, the largest total for any month since March, 1937. July business is not quite keeping up with the pace set in June, but apparently will more than equal the monthly average of \$99,523 maintained during the first half of 1939. In addition, a new Government contract and an increase in the signal generator contract were entered on the books in June, adding almost \$140,000 to our unfilled orders. Deliveries on the contract, which calls for 58 heterodyne frequency meters and crystal calibrators, will not be completed until in the fall of 1940.

There are also signs of a pick-up in general business conditions in this country, which will probably add to the effect already evident from the recent introduction of newly developed instruments. During our recent slack periods we seldom had trouble keeping standard items in stock and customers were given very prompt service. Within the last few weeks, however, we have been receiving orders for some items in quantities equaling from 6 months' to one year's supply, based on the rate of sale only a few months ago. In fact, one order for shipment to China calls for 552 Type 358 Wavemeters, a quantity which is about four and one-half times the number sold during all of 1938. Judging by various indications we shall all be kept pretty busy in the immediate future.

A businesslike man stepped into a butcher's shop. "A piece of beef for roasting!" he ordered, briskly. The meat, mostly bone, was thrown on the scales.

"Look here!" remonstrated the man. "You're giving me a big piece of bone."

"Oh, no, I ain't," said the butcher blandly. "Ye're paying for it!"

PERSONALS

Those noble redmen we see flitting about the shop lately are just our flea bitten brethren back from the Maine woods.

Some of the boys had a sunburn contest over the week-end of the 8th and 9th with the following results:—Morrison hobbled along way in the lead with a beautiful crimson epidermis; Bill Fish was a good second with a scarlet pan; Gilman came in a poor third with pink forearms.

Miss Frances Guidrey is spending her vacation touring Canada.

Miss Maryan Dunlap recently spent her vacation in New York and Hyannis.

Norman Petersen and family will visit relatives in Nova Scotia the last of August.

Anyone knowing a sure-cure for sea-sickness kindly see Warren Webster.

John Blake had the misfortune to fall while painting his home recently at Westwood receiving a sprained wrist, a lacerated eyelid and numerous bruises.

Additions to the list of those who make their home in Lexington is the name of F. B. Hodgdon and A. G. Bousquet.

Approximately 130 people gathered at the Y.W.C.A. Wednesday night, June 28th to enjoy the one act melodrama—Curses, The Villain is Foiled—which was well presented by the cast consisting of: Misses Ruth Crowe, Frances Guidrey and Maryan Dunlap ably supported by Russell Hatch, Charles Reimer, and Paul Penney. After refreshments dancing was proceeding at full swing until interrupted at 10 o'clock to listen to the radio account of the Louis-Galento fight. Among the records used for dancing, yes, you guessed it, the Beer Barrel Polka. Bridge prizes were won by Frances Naugler, Roscoe Frost, Mrs. Frost and Dave Martin.

We like a fellow who works hard and plays hard. Charlie Burke falls into this class and we can prove it. At the 7th hole at the Blue Hills Golf Club there is a bog and Charlie found his ball winking at him somewhat saucily from the middle of said bog. Does this bother the Squire of Watertown? No sir, Charlie wades

in, white pants and all, and socks the pill while over his knees in mud. What a man! What a game!

The Lexington Minute-Man Photo Identification Contest which was started in the issue of July 6th came to a close last Saturday noon time. Ben Bertini of 50 Hillside Avenue was judged winner of the 1st prize having made 176 correct identifications out of a possible 200.

The G. R. bunch who went sailing July 23rd had a marvelous time. The boat was very nicely fitted out and gave us a good day's sailing. Although the sea was a little rough no one was greatly bothered with "mal de mer" and the lunch pirates had to work hard hijacking the sandwiches. John Clayton had a good day though and took all honors in scavenging the lunch boxes. Let's have some more of those trips, John.

Those six backwoodsmen got back from the Maine woods much the worse for wear and tear. The black flies won every battle and after six days one of the boys with courage said "Let's go home." That's all that was needed and the eleven mile paddle down the lake took less than three hours. For sale: six camping and fishing outfits cheap. Will throw in a dozen different kinds of fly and mosquito dope free.

It is surprising sometimes, after years of doing things like playing golf for instance we learn there are some foolish rules attached to it. Chet. Newell up until last Saturday thought that misses and dubs didn't count in the score. So starting last Saturday his true score reads along these lines: 18 for the 7th hole and 149 for the 18. Well, live and learn Chet, and don't be discouraged, we can't play either.

Who was it in Department N that hit the sawdust trail just before going on his vacation?

Hokey is thinking of wearing a bullet proof vest. He discovered a small hole in the window nearest his desk which appears to have been made by a BB shot.

Did you notice that collection of big words sent in by Department W? Wouldn't it be good if they had used the words correctly. One of the boys must have borrowed a dictionary.

What has happened to those chess players from the Winding Department who by luck won a few games in Department A some months ago? Just let them show up again, that's all.

BASEBALL

The General Radio baseball team has been having its ups and downs this year. At the end of June (end of first half of schedule of the Cambridge Municipal Baseball League) the score book showed two wins, seven losses and one tie.

Since the first of July things have been going a little better. At the moment the totals show three wins and two losses. Apparently Fred Beck has located the right combination at second base for in two recent games a total of five double plays were made.

We are still lacking in hitters. The following is a list for the second half of the eight leading batters in order of averages.

Patterson	1000
D. Martin400
Guild382
Bertini355
Cleveland333
Erickson285
Young232
Herb200

Bob Patterson's average is somewhat misleading in that he has been at bat but once as a pinch hitter. How about trying it again Bob?

GOLF

The bi-weekly golf matches have proved fully as popular this year as last. There are three teams that are waging a fairly close battle for first place.

As of July 29th the standings and points won are as follows:

Team	Points
C	24½
D	20½
B	19
E	14½
A	13½
F	13

Individually the three most improved golfers are Randall Alexander, John

Murray and Everett Page who have reduced their handicaps by 40, 22 and 15 strokes respectively.

Charlie Rice let us in on a secret the other day. Around September he expects to be saying "I do" with a very nice young lady. You have our blessings Chuck, but the mountains, woods and skiing will miss you—or will they? Time will tell. Seems like Dave Martin and Jack Johnson are the only single guys left now.

20 YEARS AT THE G. R.

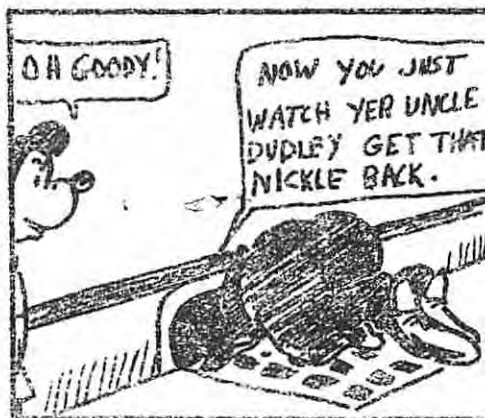
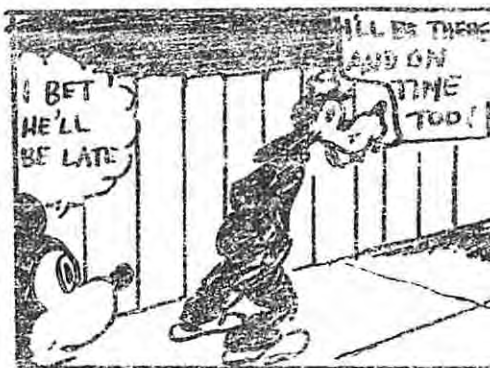
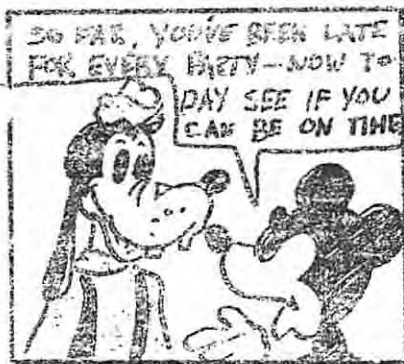
1. Plenty of work. The world is fighting.
2. No work. Stopped fighting.
3. Tired working. Won't keep this up.
4. Long vacation. No place to go.
5. Busy. Places to go. No vacation.
6. Friends leaving for better jobs.
7. Immigration to new building.
8. Tired working, but one must eat.
9. Wanderlust. Think I'll roam.
10. Married. Get above out of mind.
11. Busy. Rushing.
12. 1929. Rushing for business.
13. Friends returning from better jobs!
14. Immigrating again.
15. Tired working. Still eating.
16. Advancement. Cancel first part of 15.
17. More of above. Increase 2nd part of 15.
18. Off the Gold Standard. Who cares?
19. Getting old. Who cares?
20. Working. Eating.

A good listener is not only popular everywhere, but after a while he knows something.

Sometimes it's a good thing to know how to forget.

The old-fashioned girl who stepped out as fit as a fiddle now has a daughter who comes home tight as a drum.

Tact is the knack of pulling the stinger from the bee without getting stung.



WELL GIRLS AND BOYS - GOOSEY MISSED OUT AGAIN ON THE PARTY, SO THE ICE CREAM GOES TO DONALD AND ME. - JULY BIRTHDAYS WERE - ROBERT ALLEN, ARNOLD ALDRICH, NANCY CAREY, LAWRENCE COMERFORD, PATRICIA BECK, ERVIN GOSSIT, SHIRLEY HOFFET AND WELDON MORRISON.

HAPPY BIRTHDAY, MATES IM ON DECK AS USUAL



GOLF TID-BITS

GOSH THIS
JIGGER ONLY
COUNTS TO
A THOUSAN'



CHARLIE GUILD USES
ONE OF THOSE PUSH EM UP
COUNTER JIGGERS TO KEEP
TRACK OF HIS SCORE. —

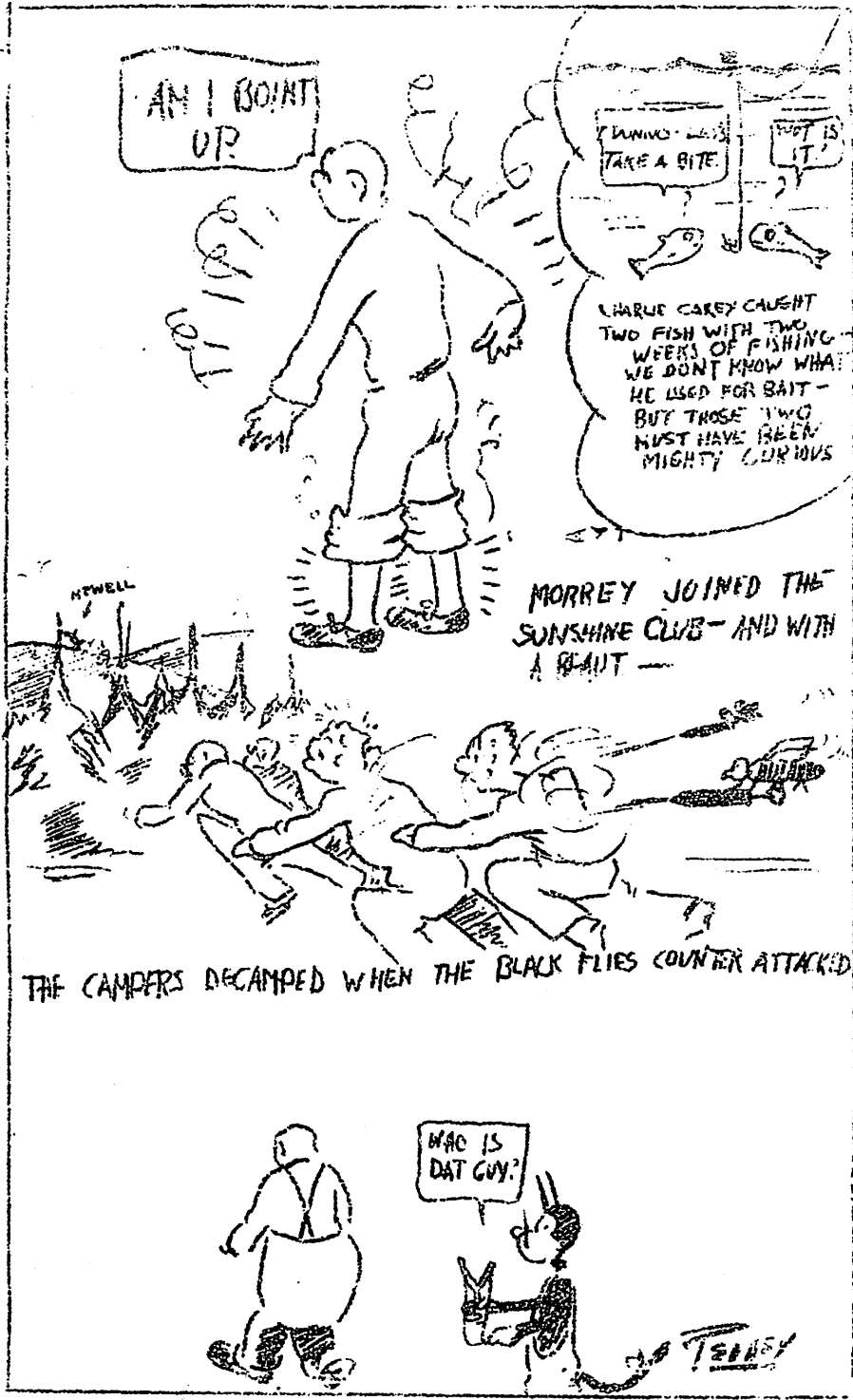
WAW THAT'S NOT AN
EXPLOSION — AREYS
DOWN THERE AND
HAVIN' A LITTLE
TROUBLE



I THINK IT
WUZ QUICK SAND



CHARLIE BUIKE GOT STUCK IN
THE MUD WHEN HE WAS RETRIEVING
A BALL — SO THIS IS THE RIG
HE MAY WEAR AT THE NEXT
GOLF MATCH!



AM I POINT UP?

PLANNING TO TAKE A BITE?

NOT IS IT?

CHARLIE CAREY CAUGHT TWO FISH WITH TWO WEEKS OF FISHING. WE DONT KNOW WHAT HE USED FOR BAIT - BUT THOSE TWO MUST HAVE BEEN MIGHTY CURIOUS

MORREY JOINED THE SUNSHINE CLUB - AND WITH A BEAUT -

THE CAMPERS DECAMPED WHEN THE BLACK FLIES COUNTER ATTACKED

WHO IS DAT GUY?

TERRY

WE ARE STARTING A CONTEST FOR ALL THE GIRLS AND BOYS OF THE G. R. FAMILY. ALL THERE IS TO DO IS WRITE A LITTLE STORY ABOUT SOME ADVENTURE YOU HAVE HAD. -EITHER FUNNY OR HAIR RAISING. HAVE YOUR STORY BROUGHT IN TO ONE OF THE EDITORS. THE PRIZES WILL BE ORIGINAL CARTOONS ONE OF YOUR WE WILL USE OUR PAPER. WILL BE STORY USED-



PEN AND INK OF MYSELF OR ANY FAVORITE CHARACTERS YOUR STORY IN A CARTOON GIVEN FOR EACH -SO SEND 'EM IN!!

General Radio News

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

Vol. 1

SEPTEMBER, 1939

No. 11

NEW EXCUSES DEPARTMENT

We recently received a past due remittance from a customer we shall call the Smith Radio Telephone Company, Smith Road, Lake Bluff, Illinois, Mr. John Smith, President, accompanied by the following letter:

"Enclosed please find check in the amount of \$617.89 paying our account in full.

"Thanks for being so nice to us, but Mr. Smith has been in the Tropics and we ran out of Funds. We will try to keep him around here in the future."

PERSONALS

The period of indecision is nearly over. We will soon know whether to say, "When do you have your vacation," or "Where did you spend your vacation."

There soon won't be anyone left to envy; because we will all have had our vacations!

When big Sandy went camping this year, he only took along the bare necessities:—1 car, 2 tents, 2 cats, 2 children, 1 boat, 1 wife, 2 stoves, 4 beds, and all the pots and pans he could find.

We hear that Jack Lamson is doing all right by himself in his new job in Connecticut. He is now in charge of a model dairy farm owned by a moving picture executive. The farm is well equipped and has about seventy-five head of good cattle.

Here is a list of some of the wanderings of the gang on vacations:

George Bickell fleeing from ragweed is on the high seas to Savannah.

Harry Shute and Norman Peterson to some place called Nova Scotia.

Don Stanley toured the Cape and Oriental gardens.

Jack Morey is driving a duplex carriage around Medford.

Bill Fish's wife has gone to the World's Fair and taken Bill with her.

Bob La Porte to the Chicago World's Fair. He arrived two years too late.

The latest G. R. golfer's pastime is looking for golf clubs instead of golf balls. It seems that Dowden's club slipped out of his hands on the fourth tee at Blue Hills. The result was a combined search by the caddies and other four members of his foursome. The troublesome club was finally located in the branches of a tree.

A year ago last June the stockroom began to sell ice cream. It may surprise you to know that, as of August 1st, total sales for the elapsed thirteen month period amounted to \$939.85.

Mr. and Mrs. S. J. Capriulo are the proud parents of a daughter born July 28th. The new baby has been named Mary.

What popular young engineer relaxes at the end of a hard day's work by tickling the ivories?

When we met the Dinny Flints at their portable summer home in the White Mountains they were unhappily packing to go home.

That port running light we saw floating around the shop the first of the month was Chet. Starkey's face. He went yachting with John Clayton, too.

We understand that Hobart's new directional antenna is very handy in the warm weather. All he has to do is hold the antenna and his house swings around to face the breeze.

Notes from Herman Ausin, Al. Keck, Henry Maling and Bob Turner safari to Cape Cod:—

Henry furnished transportation and equipment.

The rain washed Al and Bob out of Henry's fair-weather tent.

Herman coiled up in the rumble seat.

Henry slept like a log.

Al, Bob and Herman did not sleep.

Tenderfeet driven from Maine by a few insects please note.

If you are a self-starter your boss won't have to be a crank.

Mr. Richmond accompanied by Mrs. Richmond, Bob and Priscilla, is now on a business-pleasure trip to far-off places. As this is written, he is scheduled to be in Cairo preparing to leave for Alexandria, having visited G. R. customers, surveyed war preparations, and/or sightseen in various parts of England, France, Holland and Italy. Still left on his itinerary are Egypt, Palestine, Syria and Greece, in addition to several more stops in Italy and France on his way home. Unless the schedule is altered by too many shocks from abroad he will be back at the office the week of September eighteenth.

What has this place Lexington got that is causing a mass movement of G. R. workers to move out there? Doesn't history tell us that Paul Revere had to ride out there to wake them up? Someone should ride again and warn the farmers "the G. R.'s are coming".

The baseball season came to a comparatively discouraging close last month. After winning three of the first five games since July first, the G. R. team lost the last four games in order. With the added experience of this year we are hoping that next year will be a different story.

Two salt dispensers have been purchased and are now in use at the fountains. One is located on the first floor near the elevator, and the other dispenser is above the fountain on the second floor near the drafting department.

Salesman: "You have a beautiful farm, and you look so prosperous around here, that I have been wondering why you don't have a tractor to do your farm work."

Farmer: "Got two tractors in the barn."

Salesman: "Then why in the world have you got your cultivator hitched up to the bull. It's such an antiquated way to work on a modern farm."

Farmer: "Well, friend, I'll tell you. I'm just trying to teach this bull that there's something in life besides romance."

Middle age is that period of life when retrospection begins to get the jump on anticipation.

SERVICE

It is natural for all of us to demand and to expect service, particularly of suppliers from whom we purchase goods or services, such as light, heat, or communication. Oftentimes we are not too courteous in seeking an adjustment, which complicates the matter and makes the situation more tense. Adjustments can be made more easily and concluded with appreciation of both parties concerned if a reasonable approach is made. The opening paragraph from a letter written by one of our foreign customers is an exaggerated example of being courteous when seeking service.

"The undersigned Radio Inspectors of the Department of Communications, who in our activity have to employ the 730-A Transmission Monitoring Assembly, 'GR' make, find ourselves confronted by the difficulties which are specified hereinbelow, and we respectfully request that you may be so kind, always provided that this does not inconvenience you in any way, as to furnish us the corresponding information, this involving the following."

When a satisfactory adjustment has been made, although under unpleasant conditions, some of us fail to express appreciation for what has been done. Perhaps this is human nature. A customer knows he pays for service when an article is purchased, therefore why put himself out to thank someone for something he is entitled to. This is a reasonable attitude, to be sure, but consider the individual who has tried to maintain your good will by performing a service. While you may only have to gripe once every few months, he has to listen to many complaints each day. A word of appreciation will help him to be pleasant and courteous to the next customer.

Here in our Service Department almost four hundred letters are written each month. Many of these have been written in the course of making no-charge adjustments. No more than two or three letters are received each month expressing appreciation for our services in making prompt adjustments. When such a letter is received, it is placed in a frame and displayed in the Service Department until

another arrives. One of these letters is quoted as follows:

"The Type 775-A Frequency Limit Monitor, which was returned to you for repairs, has been received and placed once again in operation. We appreciate very much the prompt attention which was given to the repair of this instrument. The indications are that it is functioning in a satisfactory manner."

It was Edward Bok who said that "Service" is the greatest word in the English language. In these times we must have service because of our great dependence upon it. General Radio customers are no exception. Our instruments are recognized to be of high quality, design and construction, and are built to give satisfactory service over a long period of years. Consequently, the Service Department must always be ready to service instruments that may have been shipped from a few days to ten years or more. Each instrument is thoroughly cleaned, reconditioned, and recalibrated so that it is identical in performance to that when purchased. In many instances, modifications are made to improve the operation, thus rendering an additional service to a customer which he did not expect. Repaired instruments are guaranteed for a period of one year, which is the same guarantee as for new instruments.

A brain is no stronger than its weakest think.

Where are the following National Parks located:—

ZION
CARLSBAD CAVERNS
GRAND CANYON
YELLOWSTONE
GLACIER
ROCKY MOUNTAIN
YOSEMITE
GRAND TETON
BRYCE CANYON
LASSEN VOLCANIC
MOUNT RANIER
SEQUOIA
MESA VERDE
CRATER LAKE
WIND CAVE

Watch for the answers which will appear in next month's news.

SAFETY CONTEST

The Industrial Safety Contest has passed the half-way mark with the Raytheon Production Corporation still the group leader. The Banner being awarded to them for working 712,457 hours without a lost-time injury. Our company worked 100,967 hours with no lost-time injury. General Radio holds fourth place in the group of nine contestants as compared to eighth place as reported at the end of the first quarter.

The injury experience of the enrolled companies was much better for the second quarter than for the first. Four fatalities and the loss of two eyes partially accounted for a higher severity rate.

Of the 303 companies entered in the contest there were 113 companies who were successful in maintaining a record of no lost-time injuries. A large percentage of these injuries were indirectly attributed to untreated minor injuries.

With the race half over, it is important that each individual redouble his effort to practice safety, not only for his own benefit alone, but for the safety of his fellow employees.

Old man statistics says each G. R. employee averages 15 miles a day driving to and from work which amounts to enough mileage by the group each week to more than equal two round trips across the continent.

It takes three generations or one good guess in the stock market to make a gentleman.

A shipment of merchandise had just arrived at the General Store. A big husky from the neighboring lumber camp was watching the unpacking.

"What's them things?" he asked, pointing to a package.

"Pajamas," replied the clerk.

"Pajamas. What's pajamas?"

"Night clothes. Want to buy a suit?"

"Hell, no!" said the lumberjack. "I ain't no social rounder. When night comes I go to bed."

ADVERTISEMENT

Tennis balls are on sale at a reduced price of 3 for \$1.00. See A. W. Cleveland.

BUSINESS

Final figures for July orders received totaled just over \$100,000. August to date indicates that all recent records for regular business may be broken with over \$95,000 on the books with the month only three-quarters gone.

It happens, however, that as this is being written the Traveler headline states **WAR PERIL IMMINENT**, and the first effect of war would be to disrupt a large part of our business, which was about 37% foreign the first half of 1939. For example, we have orders amounting to \$7,500 from our Polish distributor. According to the newspaper, sailings from various places to Baltic ports have been cancelled. Furthermore, the American Express Company is temporarily at least not even quoting war risk insurance for shipments to Europe. In addition to these difficulties, there is considerable doubt as to whether we could expect payment in the event of war even if there were no transportation problems. Wartime economic conditions might make it impossible for many of our foreign customers to secure funds or import permits for further purchases from us. At present we have large orders from Italy which cannot be shipped because the Government has not yet made funds available.

Although the general domestic outlook is good, and although our business might conceivably be stimulated ultimately by a war, the first effect would probably be a considerable drop in shipments—on which income depends.

We judge ourselves by what we feel capable of doing, others judge us by what we have done.

Lady Godiva was some gambler—she put everything she had on a horse.

ADVERTISING

Because the bulk of General Radio's business is solicited by mail, direct-mail advertising claims a large share of our advertising appropriation. Chief items of direct-mail literature are of course our general catalog and the *Experimenter*.

The catalog is issued at intervals of about 18 months. With an increasing number of complex instruments being produced each year, more space is re-

quired in each edition of the catalog in order to describe them adequately. Catalog J, issued in 1936, had 176 pages, while the current Catalog K has 220. The number of catalogs printed has also increased markedly in the last few years. The edition of Catalog H (1935) was 22,000 copies, that of Catalog K, 38,000. For Catalog K a full freight-car load of paper was used.

The number of *Experimenters* printed each month has increased in proportion to the catalog. About 16,000 per month were printed in 1935, about 26,000 in 1939. An 8-page issue of the *Experimenter* requires nearly 1/2 ton of paper.

Effective distribution of these publications depends upon an active mailing list, which, at present, numbers about 25,000. Of these, 17,500 are in the United States and Canada, and 7,500 are in foreign countries. This list is made up of engineers, scientists, teachers, purchasing agents, industrial executives, and others who are in a position to influence the purchase of G. R. products.

The complete list is broken down in a number of different ways. It is possible to select from the list any one of the various classifications, such as receiver manufacturers, broadcast stations, chemists, etc. An alphabetical card file of names is kept; another file lists the names under company affiliation. These files are used constantly by those engaged in sales activities. Keeping this mailing list up to date is extremely important, because the distribution of catalogs and *Experimenters* is effective in direct proportion to the number of active names on the list. New names are constantly being added. The chief sources of these are correspondence from new customers, technical journals, and professional engineering societies. It is, of course, equally important to drop from the list the names of those who have died, or who, for one reason or another, are no longer active in the industry.

"The earth shook," said Brown, describing his experiences in a New Zealand earthquake. "Cups and saucers flew all over the place."

"Great Scott!" exclaimed Jones. "That reminds me. I forgot to post my wife's letter."

General Radio News

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No. 12

MEDICAL CLINIC

The Genradco Trust has announced that beginning September 28th a medical clinic will be held in the First Aid Room, 30 State Street, Cambridge. The services of Dr. Mabrey, who has been in charge of the medical work since May, 1935, will be available on Thursday afternoons, without charge, to the dependent members of the household of any employee. Appointments must be made in advance with Miss Ellinwood, who will arrange the necessary details and endeavor to answer any questions.

LOCAL GOSSIP

George Bickell is soon to merge into a co-operation with Henry Anderson. All the morning papers—at cost.

It is believed that convoys will soon be available to take people thru Department W.

Have you seen the discouraged look on Fred Williams since "Clint" Carlisle's mustache can be seen without aid of sunlight?

Can someone explain, "Sandy" grinding minute crystals—while "Dutchy" loads trucks?

No wonder Carbone and Leighton are good bowlers—look at the view they have of the pins.

Our truck gardener, "Larry" Arguimbau, is taking a course in penmanship.

He is going to learn the difference between "maximum" and "minimum."

DOLLARS AND SENSE

Recently in the "Bridge," a national thrift magazine, there appeared an excellent article entitled "Why Save?" which we think presents a vital subject in an interesting manner. Its theme is one that we cannot ignore and one so many of us never fully appreciate until the time comes when we can only say "Why didn't I?" We quote in part—

"Did you ever read the story of the 'Richest Man in Babylon?' It is only the story of a man of ancient times who decided it would be smart to pay himself a portion of all he earned. He observed

that others went about paying Peter and Paul, but never holding out a cent to pay themselves. Did you ever think of your savings account as representing your personal pay for the time and energy you have put into the earning of the money with which you pay everyone else.

"I bring you an old, old idea with a new dress. There are two pays in your envelope. The other belongs to an old man. Some day he will say to you 'There was enough money in all those envelopes for both of us. Where is my share?' Cheat him today and you cheat yourself, for he is you. You, years older, years feebler, you looking for the job the young man gets, going from shop to shop—you trying to look neat and trying very hard to be brave.

"Then, again, I remind you that an old man's clothing, shelter, food, cigars and the independence that means so much to an old man, are in your pay envelope each pay day, and years do not make a rich man—they only make an old man. The savings bill is the only bill you are ever called on to pay before it is due, and unless you do pay, NOW, before it is due, someone else must pay it for you, THEN. The pay of two persons is in your pay envelope today, so see that the old man you will be gets his share first."

LOCATION OF NATIONAL PARKS

Zion	Utah
Carlsbad Caverns	N. M.
Grand Canyon	Ariz.
Yellowstone	Wyo.
Glacier	Mont.
Rocky Mountain	Col.
Yosemite	Cal.
Grand Teton	Wyo.
Bryce Canyon	Utah
Lassen Volcanic	Cal.
Mount Rainer	Wash.
Sequoia	Cal.
Mesa Verde	Col.
Crater Lake	Ore.
Wind Cave	S. Dak.

PERSONALS

Syd. Beck has moved his fireside to Westwood. He is the proud owner of some nice diggings, we hear. Good luck, Syd., but what is the matter with Lexington? Speaking of houses and Lexington, Mary Chute (Mrs. Dud Chute) has almost finished remodeling the Chute place. Just a little brick laying and plastering to do. And she does all this while Dud is bicycling alone!

Don't get alarmed over any sugar shortage in the near future for Otis Barkman has enough put by for all.

Those "Merchants of Venice", The Petersen Boys, are loose again. This time the fraud was perpetrated a few days ago and a box of "Daylight" apples was the subject. Webster (Noah) says Daylight apples are apples that can be eaten with safety only in broad daylight. Then bite and watch and proceed with caution. To get on with the story, they printed an attractive sign "Apples 1c each", and many a person with the tang of fall felt the urge to buy, bringing to these Stowites fifty-three cents. Yours truly following the beaten path to the box, saw a mess of apples so wormy that they would gladden the heart of any fish. The box itself began to look like a genuine antique in the latter part of the afternoon. Why can't we have a Better Business Bureau in the shop?

Henry Chrystie is back to work after a long spell in the lab.

Mr. Richmond and family recently returned from a trip through several countries of Europe. We understand, as we go to press, that Mr. Richmond is going to relate a few interesting adventures which befell them on the eve of the war.

Mr. Eastham also returned two weeks ago from a vacation in Oregon. It is alleged that he spent the summer on a farm although his mail was sent to a city address. We have had various reports about this farm, none of which have been authenticated.

Charlie Rice joined the ranks of the benedicts last month at Norman Mitchell's farm in Maine. Several G. R. employees were there to shower the newly weds with rice and confetti.

George Wallen, who has been ill for the past seven weeks, returned to work Monday, September 25.

Miss Margery MacMasters of our Commercial Department, who has been ill at the Peter Bent Brigham Hospital, is now recuperating at her home.

Miss Frances Guidrey has resigned her position in the Commercial Department and has accepted the position as teacher of typewriting in the Watertown Junior High School.

We won't be seeing much of Larry Arguimbau for a year. He has leave of absence from the Company and an appointment as Research Associate at M. I. T., to work on ultra high frequency measurements.

He also has leave of absence from chairman McElroy of the ASTM (Association for the Suppression of Tech. Men) and will be officially on the inactive list.

Argy says his new hat was his own idea, and not a requirement for his appointment.

The current bowling season started off auspiciously as usual. The Goons were leading and the Arabs, Flatfeet and Indians tied for second place at the end of the first match.

Speaking of bowling—whose average was $62\frac{2}{3}$ because the foul line is now made of rubber?

Our Los Angeles and New York colleagues, Myron Smith and Fred Ireland, visited the plant recently.

The 1939 G. R. Golf League Trophy was won by the following team:—

W. G. Webster
C. E. Rice
C. E. Guild
S. H. Beck

The 1939 General Radio Golf Championship (and attendant golf-equipment prizes) is now underway. Sixteen men are competing in this. The men were chosen on the basis of their attendance on golf dates for the years 1938-1939. At the end of the first elimination the following men were left for the quarter finals, Warren Webster, Larry Arguimbau, Charlie Rice, Mr. Locke, Pete Cleveland, Bill Marvin, Bill Regan and Ray Searle.

It's a darn shame the way those big fellows like Moffat pick on poor little Warren Newell. He takes it with a grin—but just wait until he is full grown!

That tapping we've been hearing lately is Horatio Lamson's cane. The re-

port is that he sprained his ankle playing chess. Maybe the whole thing is an excuse to ride on the elevator.

Did you see Mrs. Hobart's new car the other day? Marge let Hobe drive it to work once to show to the boys.

The most effective and simplest cure known for that great white plague called "Newell Neurosis" is to go to the 3rd floor hallway of building 3 and look across the street in the old Foss chocolate building and see how piece-work is really done and for about \$15 a week, at that.

Dear Officers and Directors of the GRMBA:

Why can't the present officers appoint an entertainment committee to decide what kind of a show we are going to have at the next Winter Party? There is a crying need for more time to think over the nature of the show. A few unhurried rehearsals, too, would make it easier for the "Hams" and a better show would result.

We all enjoyed those two articles by the Service Department but were sorry to see them pour abuse over themselves with such names as "Sour Puss." Someone asked the other day where the Service Department was and I had to tell the truth and say, "Brother, it's anywhere in the plant, and anyone who knows anything at all is in it."

The magazine Industry, August issue, published a picture of our hobby show which was accompanied by a short write-up. Many of the exhibits could be recognized in the picture.

Tobacco is a filthy weed;

I like it.

They say it fills no normal need,

I like it.

It makes you old;

It makes you lean;

It takes the hair right off your bean.

It's the worst damn stuff I've ever seen

But—I like it.

Jerry: "What is the way to teach a girl to swim?"

Hal: "That's easy. First you put your arm around her waist; then you take her left hand—"

Jerry: "But this is my sister."

Hal: "Aw, just push her off the pier."

BUSINESS

To start off with good news, August business totaled \$131,700. The records for seventeen years were searched, and in only two months during that time did our regular business exceed this amount. These months were September and October, 1926, back in the days of the 247 Condensers, 231 Transformers and Power Packs, and the totals were \$137,000 and \$143,000 respectively.

Shifting from reminiscence to reality the outlook is not quite so pleasant at the moment this is being written. Business has been entered at a rate which would indicate a total for the month of about \$70,000. Not only our foreign, but our domestic business has dropped sharply since the start of the war. We have, however, a substantial amount of work scheduled for production, and we are all hoping that before this backlog is consumed orders will be coming in at a normal rate again.

The war has complicated our foreign business considerably. Our French distributor has not authorized a shipment since August sixteenth. The last shipment we made to Poland failed to reach Gdynia before the war started, and the last we heard it was unloaded at Newcastle-on-Tyne. Although our product is not embargoed by the Neutrality Act, it is designated as contraband by both England and Germany, making it impossible to make shipments of orders we now have from certain countries. Further restrictions on business with belligerents may result from the special session of Congress. As an indication of how war interferes with normal business, we received just the past week final shipping instructions on an order for China. We had received cash in advance October 5, 1937, but since then had been unable to communicate with the customer, who probably had moved several times in the meantime.

Have you ever seen:

"Bob" Cameron shouting?

"Chet" Starkey running?

"Bill" Marvin whistling?

"Sam" Drury singing?

Everett Page without his hair combed?

Warren Webster mad?

Arguimbau with his coat off?

We haven't—have you?

SOCIAL SECURITY CHANGES

Social Security Act Amendments, signed by the President on August 10, 1939, make several important changes in the law originally passed in 1935. No attempt will be made to enumerate here in any detail the new provisions now in effect, but if anybody has questions not answered by the following general outline of the changes, the answers can be readily obtained from our information files.

Deductions no longer stop when the employee reaches age 65, and, in fact, since this part of the law was made retroactive to January 1, 1939, it is necessary for us to collect back deductions for this year from employees who had previously reached 65.

Benefits have been liberalized for most persons subject to the act, particularly for older workers who would not have time to build up a substantial account before reaching 65. For example, employees over 65 who have to begin paying deductions again will after January 1, 1940, be eligible for a monthly pension upon retirement.

Pensions are to be paid not only to a retired worker, but to his dependents and to his survivors after his death. The worker's monthly pension is based on his average earnings with a minimum of \$10 a month for a single worker. Maximum benefits which can be paid to retired workers and dependents, or to all survivors, is \$85 per month.

The tax rate will continue at 1% for three more years instead of increasing to 1½% in 1940. Starting in 1943 the tax will be 2% for three years, 2½% for three years, and 3% thereafter. The company tax will continue to equal the contributions of employees.

"But I had the right-of-way when this man hit me, yet you say I was to blame."

"You certainly was."

"Why?"

"Because his father is mayor, his brother is the chief of police, and I'm engaged to marry his sister."

The Atlantic Monthly, which is published in Boston, had some urgent dealings with a London publication last month and naturally decided to use the

transatlantic air-mail service. A letter was dispatched from Boston bearing the required thirty cents in postage and the Atlantic had no doubt that it would reach its destination forty-eight hours later, but it didn't. It came trudging back after ten days marked "Missent to San Francisco, Calif." These days, when we make a mistake we make a big mistake.—From The New Yorker.

The same thing recently happened to a G. R. air-mail letter addressed to Warsaw, Poland.

NOTES ON THE MT. CHOCORUA EXPEDITION

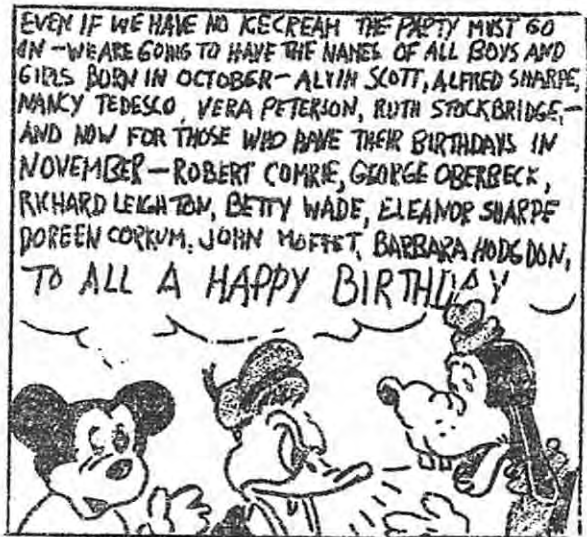
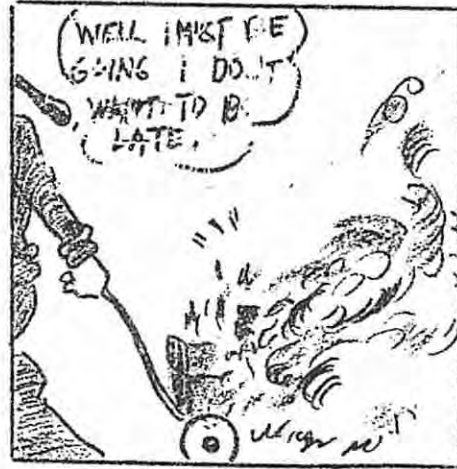
Those intrepid nature lovers (remember Cape Cod) in the Standardizing Lab. were at it again over Labor Day weekend. An expedition headed by Chet. Starkey and Herman Ausin and including Hank Maling and Randy Alexander took off Friday evening for Mt. Chocorua, N. H., and the White Mountains.

The gang had to use two cars to transport all of the blankets, pots, pans, tent, etc., not to mention enough food to feed a regiment that they took with them. And they only stayed three days!

Results of the first day's efforts were a climb to the summit of Mt. Chocorua, a visit to the very beautiful Sabba Day Falls and the consumption of half the food supply after these Herculean labors. The next two days were spent in the Pinkham Notch region camping, with a climb up Mt. Washington thru Huntington Ravine. Fine weather was the report for the whole weekend and the sunburns didn't disprove it.

Chet and Herman were the official photographers of the party and between them snapped some fine exposures. The boys must have liked their own cooking and found the ground not too hard to sleep on for they are now asking who wants to start a mountaineers' club.

As usual, we have received a visit from a representative of the Cambridge Firemen's Relief Association in regard to the Fifty-Second Annual Ball, to be held at the State Armory in Cambridge on Monday evening, December 11th. Miss Werner is holding several tickets admitting one lady and gentleman to the affair. The tickets will be given as prizes to the first ones requesting them.





HERE'S ONE WAY FOR THE GOLFERS
TO KEEP IN TRIM



MEET TH' CHAMP-
(ARCSY TO YOU)



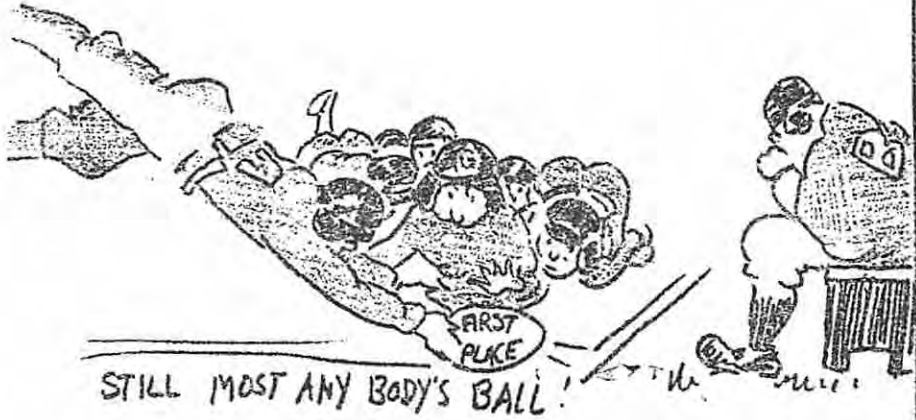
DO YA KNOW WHAT
DAY YER GOIN TO EAT IT?



THERE GOES
THAT MAN
AGAIN!



BOWL-INKS -



OH YEA - SOME GUY
ROLLED 132 -
OR HAVE YOU
HEARD ABOUT IT?

