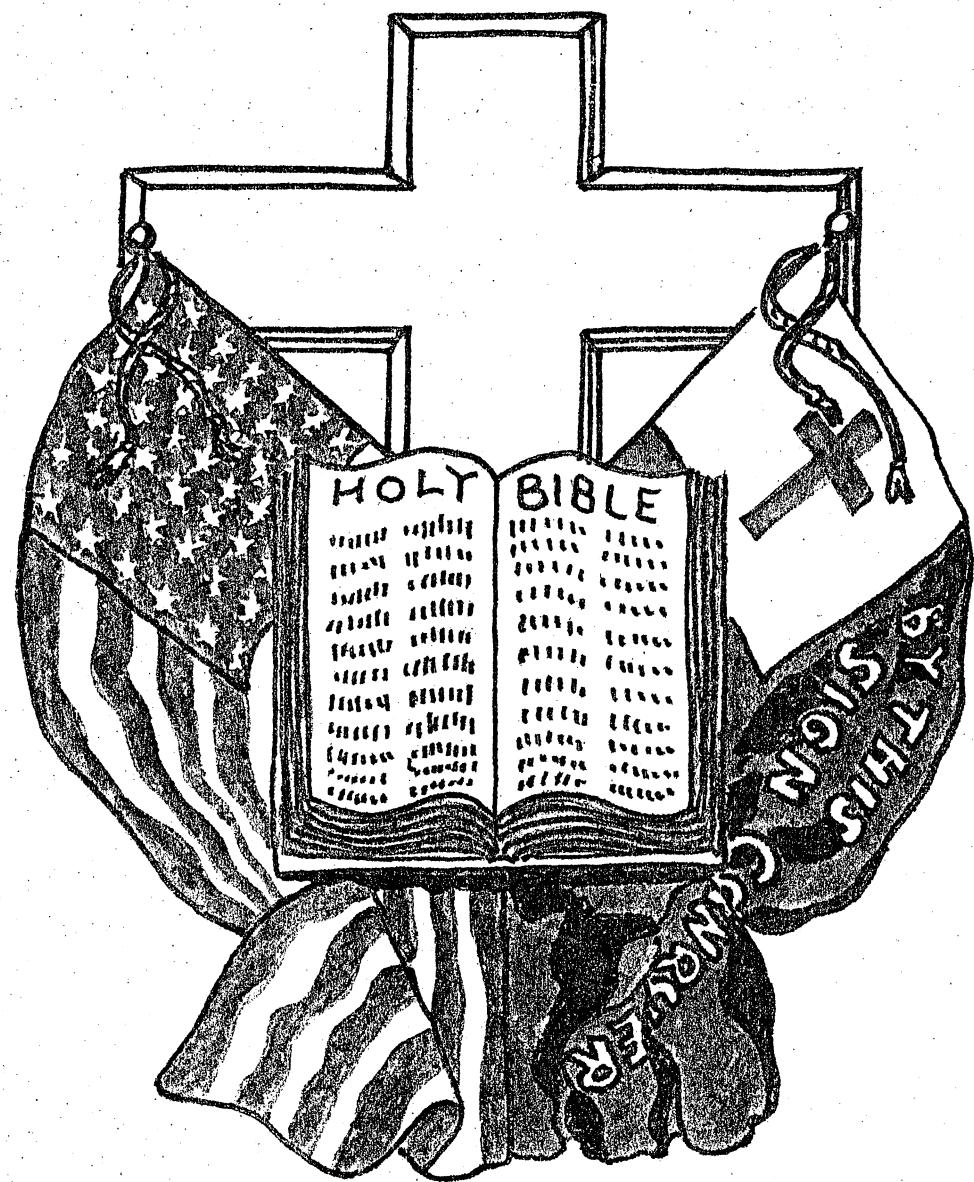




crown crier

ISSUE 40

JANUARY 23, 1976



SNATCHES FROM THE SWITCHBOARD

As anyone who's had the experience will tell you, manning the switchboard is a stimulating experience. Early each morning the operator arises; smiles at the mirror; and rehearses with a "Good morning, World" in her finest voice. Then on to Crown's Mission Control.

When watching an operator at work, one notes that everytime the quiet dong sounds her eyes begin to sparkle and her fingers leap out in joyous anticipation. Her job consists mainly of tapping out little tunes on the touch-tone. Occasionally, she gets involved in extending incoming calls also. When this happens, it's a joy to sense the excitement with which inside parties - particularly the sales and service personnel - accept calls.

Actually, folks, it's not all fun and games. As Susan or any of the other girls will tell you, there's a bit of work behind the scenes.

Crown has seven incoming outside lines. These, plus two WATS lines, are also for calls going out from the plant.

Anytime someone picks up a receiver within the plant, a corresponding tiny red light next to the extension number lights on the extension board in front of the switchboard operator. If that person wants to call someone outside the plant, he dials "nine" and is connected with a free outgoing line. If all lines are being used, the person gets a busy signal.

Crown has an average of 175 calls coming in from the outside every day. Occasionally these are calls from overseas - we've received calls from as far away as Australia and Africa.

If people aren't at their desks to accept a call, the operator pages to try to locate them. They respond by dialing "0" and the call is extended to a phone near them.

That's a look at the "big board". Free demonstrations are given any time between 8 and 5 weekdays. Stop by to chat with either Susan or myself.

(Confidentially, I've been "practicing" day after day for over two years now -

I have dreams of turning professional some day! Envision local talent such as this performing at Carnegie Hall.

Well, back to rehearsal. "Good morning, Crown International". (Tap, tap, tapping onward to stardom).



Pictured above are Carol Wiebe (author of our article, standing) and Susan Yoder (sitting), our two much appreciated switchboard operators.

The greatest proof of Christianity is not how far a man can logically analyze his reasons for believing, but how far in practice he will stake his life on what he believes.

A person remains immature, whatever his age, as long as he thinks of himself as an exception to the human race.



WHO'S WHO AT CROWN



"There's lots of interesting breakdowns. . . you never know what's going to happen."

So comments Mary Kollar, a 2½ year veteran here at CROWN. Mary works in the board room clear at the west end of Plant #1. There she prints up the circuit boards and etches them.

Mary, a new bride of about 2½ months, is married to one of our Set Com technicians, Bob Kollar. They live in Mishawaka and attend church at Osolo Missionary Church.

Mary also enjoys crocheting,

selling Artex paints and collecting horse statues (she currently has 36). Mary comments about CROWN: "I like it real well. There's a difference in people's attitudes and the people are so friendly."

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Oh Lord help us to pray to Thee,
To love Thee through eternity,
Grant us Thy eternal love we pray,
Help us in our work each day.

Give us Lord a life anew,
Help us to others be true,
Enter into our hearts today,
Finding there a home to stay.

Relieve us of this mortal grief,
Grant us Thy eternal peace,
In Thy praise may we find joy,
In Thy service may we our lives employ.

Inspire our souls with Holy Fire,
That we may fulfill Thy one desire,
Give us power to do Thy will,
May Thy grace in our hearts instill.

by Gale Balmer



Crown

from the desk of:

GERALD STANLEY

C7/S

Each man walks directly towards the man on his right whose motion is always at right angles to the man who is walking towards him. Each man therefore walks the length of one side of the field in order to reach the centre.

1	2	9	3	0	0	2	4	0	5	9
6	7	5	4	7	8	6	4	2		
8	7	0	5	3	9	5	0	7		
10	2	6	7	4	8	2	1			
11	1	2	2	5	12	5	6	13	2	
14	6	4	3	6	3	4	3			

E2/S

92. Clubs and Careers

Diagrams, in which information can be inserted as found, will be helpful, thus:

NAMES	CLUBS					PROFESSIONS				
	Booj	ABD	SL	BL	LL	AC	SP	PA	PC	GC
A					x				x	
B					x					x
C				x				x		
D			x					x		
E										

PROFESSIONS	CLUBS					NAMES				
	AC	SP	PA	PC	GC	A	B	C	D	E
AC										
SP										
PA										
PC										
GC										

1. Mark in the information: A not ABD or SP; B not SL or PC; D not SL or SP.

2. Consider C's remarks. He cannot himself be SL or SP (mark in). He knows that A is not SP (see (1)). The only person who can be both SL and SP is E (see diagram). \therefore C is saying that if he knew E was SL and SP he would know that A was either Booj or LL.

He can only know this if he, C, is BL. \therefore C must be BL (insert this information in diagram). C is also saying that if he knew E was SP, he would know that B was either AC or PA. He can only know this if he, C, is GC. \therefore C must be GC (this and subsequent information should be inserted in diagram as found) and BL must be GC.

3. For E to say that D must be Booj or LL, he must know that D is not ABD. He can only know this if he, E, is ABD himself. \therefore E is ABD. And for E to say that D must be PC or PA, he must know that D is not AC. \therefore E must be AC. \therefore AED is AC.

4. Mark in also 'additional information': PA not SL; and SP not Booj.

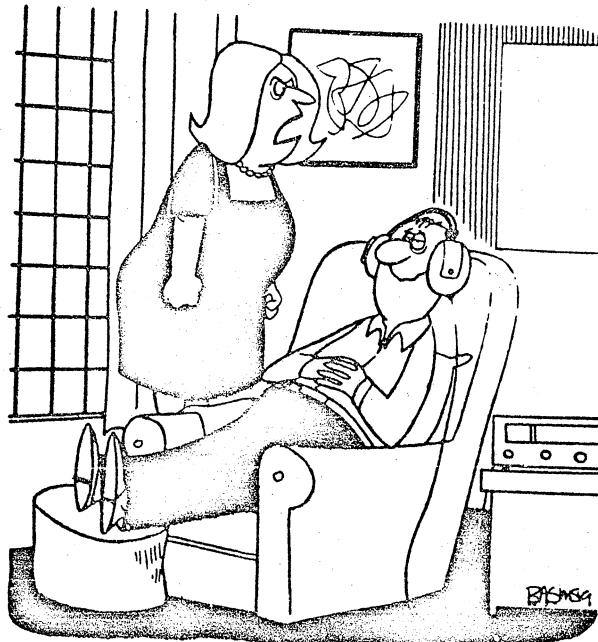
5. By elimination we now have A is SL; B is SP.

6. We know B is SP, and we know B is either Booj or LL. \therefore either Booj or LL is SP. But Booj is not SP, \therefore LL is SP.

7. By elimination Booj is PA and PC is SL. But A is SL \therefore A is PC, \therefore by elimination D is PA.

8. B is SP, and SP is LL \therefore B is LL; \therefore by elimination D is Booj.

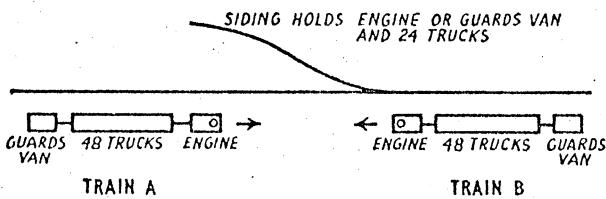
Complete result: A = SL = PC; B = LL = SP; C = BL = GC; D = Booj = PA; E = ABD = AC.



"YOU'RE NOT FOOLING ME, GEORGE! YOU BLEW A FUSE ON YOUR HI-FI A WEEK AGO!"

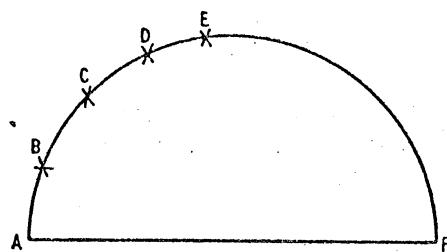


A/16



How do these trains pass so that each can carry on down the single track in exactly the same order of trucks and van as they are now?

C/14



The diagram shows a picture of the road running from A to F and the semicircular road on AF as diameter. B, C, D, and E are towns on this road and it is remarkable that the distance of each (as the crow flies) from A and from F is an exact number of miles, as also is the distance from A to F. This could not be true for any shorter distance. How far is it from A to F?

79. An Intelligence Test in the Factory

My old friends Alf, Bert, Charlie, Duggie and Ernie have just been placed in an order of merit for an intelligence test (no ties).

They made various remarks — not unfortunately all true — about the places of themselves and others. On examining these remarks I noticed the curious fact that if the speaker was placed higher in the order of merit than the person or persons mentioned the remark was true, if the speaker was placed lower than the person or persons mentioned the remark was false. When two people were mentioned, in no case was the speaker between them.

As I do not propose to reveal to you which remarks were made by which person I have called the speakers P, Q, R, S, T in no particular order. (Remarks that the speaker makes about himself are all made in the first person.)

P: I was higher than Bert and Charlie.

Q: 1. Neither Alf nor Charlie was 5th.

2. Ernie was 2nd.

R: Charlie was higher than Ernie.

S: Duggie was 1st.

T: 1. Ernie was 4th.

2. Charlie was lower than Alf.

Find the identities of P, Q, R, S, T and the order of merit.

1	2	3		4	5
6			7		
8			9		
10					
11		12			

Across

1. The second three form a number equal to three times the first three plus three.
6. To multiply by two put the first two digits at the end.
8. A square palindrome.
9. The sum of the digits is three.
10. The first and second, third and fourth, fifth and sixth digits add up to the same total.
11. A multiple of the sum of its digits.
12. Cube of a prime plus square of another prime.

Down

1. Fourth power.
2. Power of two.
3. Reverse power of three.
4. Contains a digit twice which which does not appear elsewhere.
5. 7 down in the scale of 7.
7. See 5 down.

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Cover, Poem (page 3)	Gale Balmer
Switchboard Snatches.	Carol Wiebe
Between the "Lines"	Linda Morningstar
Gerald's Puzzles.	Gerald Stanley
Moore article	Mr. Clarence Moore
CROWN Sports.	John Bachman
Engineering Terry Toons	Tom Szerensce
Ladies Page	Sylvia Miller
Tax Tips, Etc.	Ross Swinehart
Editor.	Sylvia Eger

OUTSIDE THE OFFICE

This article recently appeared in the December 1975 issue of High Fidelity Trade News.

Clarence Moore Of Crown: From Mountains To The Moon

It's just about impossible to speak about Clarence Moore's life "outside the office" as separate from the philosophy he has built into the company he founded — Crown International.

You come away from an interview with Clarence Moore feeling that here is a man who has done the impossible — and done it well. In his own words, "I always wanted to do the best I could do every day of my life. I don't believe in things like New Year's resolutions. Today is the day to do our best."

His work is linked closely to the beginnings of radio electronics — linked in a very human way. "In 1914 a friend of mine showed me a coherer and I got my first inkling of radio transmissions. In 1921 I learned codes in high school and started experimenting with my own transmitting equipment."

Unable to make much headway with his first antenna, nothing more than a barbed-wire fence, Moore realized that, "I had a lot of studying to do." Study and the practical application of knowledge to do good work for people has been Moore's guiding principle ever since.

In 1939 he was given his first opportunity to put his interest in radio transmitting to work for a missionary group — in Quito, Ecuador. The beginning of a life-long association with various missionary groups, Moore set to work designing and building a 10,000 watt transmitter and antenna 10,000 feet above sea level.

"Music in the air" might be

Clarence Moore says of his wife Ruby, "She has the human touch in her dealings with Crown dealers." Studying to be a nurse when they first met, Mrs. Moore is now vp-finance for Crown.

taken as a figure of speech — but that's exactly what happened when that first antenna started to transmit. "The antenna was so large and so high above sea level that in heavy rains steam would start to rise off the ends of elements. This caused huge, four foot arcs to fly off its ends. The net effect of these arcs was that people in the vicinity of the antenna heard the music we were broadcasting without a radio receiver."

It was back to the drawing boards. However, in that part of the world you had to make do with the parts at hand. "The problem with arcing was solved by mounting copper toilet-bowl floats at the ends of the antenna elements. Water could not collect on them and the arcs didn't form."

Moore's personal method of problem solving hinges on a

two-pronged effort — study and prayer. Trying to solve the problems he was encountering with antenna designs he bought, "A crate of books on the subject, sat down and started reading and praying." Out of this process came his invention of the QUAD antenna — which solved the problem of arcing by effectively designing an antenna "without ends."

President of the art club for 3 years in college, Moore still wields a sensitive brush. An undergraduate major in both English and chemistry, he later did graduate work in abnormal psychology at Notre Dame University. Singing has also been a constant love, and despite his schedule as a high school teacher he managed to teach voice for 14 years privately. A minister for 7 years,

(Continued on page 72)



Clarence Moore — Outside the Office

(Continued from page 48)

Moore's view of Christian service is the force that has unified all his endeavors.

"As a high school junior I realized that every boy had a good hobby or a bad habit. I chose productive hobbies that provided the material for my

later work." Ham radio is one of his early hobbies that he continues today. He boasts more than 25 call letters, but W9LZX is probably the one most hams in the U.S. are familiar with. For his work in Ecuador, the Ecuadorian government

has recently honored Moore with all letters for life—HC1JB.

A project that is presently occupying Moore's fertile imagination is a moon-bounce repeater. "With this apparatus any two ham radio operators who can see the moon — even if they are on opposite sides of the globe — will be able to talk to each other. Even when driving, a ham could connect via a remote in his car and tie in with the repeater, then the moon, and back."

"As a high school junior I realized that every boy had a good hobby or a bad habit. I chose productive hobbies that provided the material for my later work."

CROWN Sports. by John Bachman

The spirited CROWN Basketball Team once again leads the list of the CROWN Super Sports. It appears that after the first upset victory over Osceola Brethren the team got overconfident and tried to play the next game with only 3 players. Well, that's not really the case. It seems that due to injuries (Ross) and fouls, when Coach Clark looked down the bench for subs, all he found available was one towel and 2 cans of Gatorade. But the effort went on and despite playing short-handed, the team struggled to a 3 point loss. The record is now 1 win and 3 losses with a bright future ahead. Let give these guys our support.

The bowling teams are continuing their skid into the "gutter." While the Ladies have been holding their own, the men's teams have found the pins more like needles. One bright hope for one of the teams is that John "Golden Arm" Landa has apparently found the pocket again and will soon be back at his record breaking clip. The Ladies, while being the most experienced (3 big years) are continuing to hold on to the highest spot in League standings...while the men are trying to keep out of the cellar.

Ping Pong seems to be on an upsurge now that the players can once again move around in the Employee Area. If things had not been moved soon, CROWN would have invented a new sport called "Obstical Pong". I never knew that ping pong was a contact

(continued next page)

How does all this relate to Crown International? Says Moore, "I never intended to be a manufacturer. I've always been concerned with giving service to people. Crown is a function of that same ethic — a company that renders service via its products based on the consciousness that my Christian ideals dictate."

"It's the people that make Crown," he states. "There is no one in the plant who doesn't have recourse if they feel that something is wrong. Anyone who receives an order, no matter on what level, who feels that it goes against his common sense or personal conscience, is urged to come to me."

"Corporate growth at Crown is a cause, not a goal as we see it," he explained. "We have picked an area and tried to develop an expertise in it. We serve people on the manufacturer level with products, always asking ourselves what our position in the industry is. We see ourselves as building the best quality products possible at a marketable price, and therefore are serving the consumer and ourselves well."

CROWN Sports (cont.)

sport but if you have ever watched Lee and Eric play on the same end, you get a whole new concept of the game.

Well, maybe we can turn our eyes toward spring and the crack of the bat, clank of the horseshoes, and swimming and boating and. . . .oh, well, I'll just have to wait.

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ENGINEERING TERRY-TOONS by Tom Szerencse presents (compliments of Terry Baldwin)

An Ode to Would-be Technicians

1. Beware the lighting that lurketh in the undischarged capacitor, lest it cause thea to bounce upon thy buttocks in a most untechnician-like manner.
2. Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged, that thy days in this earthly veil of tears may be long.
3. Prove to thyself that all circuits that radiateth and upon which thou worketh are grounded and thusly tagged lest they lift thee to radio frequency potential and causeth thee also to make like a radiator.
4. Tarry not amongst those fools who engageth in intentional shocks for they are surely nonbelievers and are not long for this world.
5. Take care that thou useth the proper method when thou takesth the measure of a high-voltage circuit lest thou incinerate both thyself and thy meter, for verily, though thou hast no account number and can easily be surveyed, the test meter doth have one and, as a consequence, bringeth much woe unto the supply department.
6. Take care that thou tampereth not with safety devices and interlocks, for this incurreth the wrath of thy supervisor and bringeth the fury of thy safety inspector upon thy head and shoulders.
7. Service thou not equipment for electrical cooking. It is a slothful process and thou might sizzle in thine own fat for hours upon a hot circuit before thy Maker sees fit to end thy misery.
8. Trifle thou not with radioactive tubes and substances lest thou commence to glow in the dark like a lightning bug and thy wife have no further use for thee except thy wages.
9. Thou shalt not make unauthorized modifications to equipment, but causeth thou to be recorded all field changes and authorized modification made by thee, lest thy successor tear his hair and go slowly mad in his attempt to decide what manner of creature hath made a nest in the wiring of such equipment.

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Thoughts on success. . . .

Success is failure unless based on eternity.

When success turns a man's head, it leaves him looking in the wrong direction.

My New Year's Wish
 To be of greater service, Lord
 A closer student of thy Word;
 To help to bear a brother's load,
 And cheer him on the heavenly road;
 To tell the lost of Jesus' love
 And how to reach the home above.
 To trust in God whate'er befall
 Be ready at the Master's call
 For any task that He may give,
 And thus through all the year to live
 For him who gave himself for me,
 And taught me that my life should be
 A life unselfish, not self-willed,
 But with the Holy Spirit filled.

--author unknown

Christmas Wreaths
 (Unbaked)

32 large marshmallows
 6 tablespoons butter
 $\frac{1}{2}$ teaspoon vanilla
 $\frac{1}{2}$ teaspoon almond extract
 About 1 teaspoon green food coloring
 4 cups cornflakes
 Red cinnamon candies

Melt marshmallows and butter in a large saucepan on low heat setting; mix in flavorings and food coloring. Add cornflakes; stir gently to coat. Place pan over hot water; stir occasionally. Butter hands well; shape mixture into wreaths on waxed paper. Decorate immediately with cinnamon candies. Makes approximately 2 dozen depending on size.



"Little" Sylvia Miller works out in incoming inspection. She shared these goodies and thoughts with us this month.

Thanks, Sylvia!

A BITE OF HONEY

It doesn't take long to consume a tablespoon of honey, but it takes visits to approximately 2,000 flowers for a bee to produce that quantity.

KEEPING HOUSE TOGETHER

Hate and love cannot keep house together. Hate is a deadly blight that does far more damage to the hater himself than it does to the person who is being hated. It's only cure is love. When that love comes into the heart, hat will move out, for hat and love cannot keep house together.

APPLE DRESSING

1 tbsp. drippings
 2 tbsp. chopped onions
 1 qt. finely chopped apples
 4 cups stale bread crumbs
 1 egg
 1 tsp. salt
 $\frac{1}{2}$ tsp. grated nutmeg
 1/8 tsp. pepper
 1/8 tsp. paprika
 2 tbsp. chopped parsley

Put drippings and onion into frying pan, cook a few minutes and add apples. Cover bread with cold water a few minutes, remove and press out all water. Put into pan; add seasoning and beaten egg and parsley. Mix well until thoroughly cooked.

DAISY'S DARK FRUITCAKE

1 cup butter
 2 cups sugar
 6 eggs, beaten together
 2 tsp. baking powder
 3 cups flour
 1 cup molasses
 1 tsp. baking soda
 $\frac{3}{4}$ cup milk
 1 lb. candied pineapple
 1 lb. candied cherries
 2 pkgs. raisins
 2 pkgs. currants
 3 pkgs. dates
 1 lb. shelled pecans
 1 lb. shelled walnuts
 1 tsp. allspice, soaked in $\frac{1}{2}$ glass brandy
 2 tsp. cinnamon

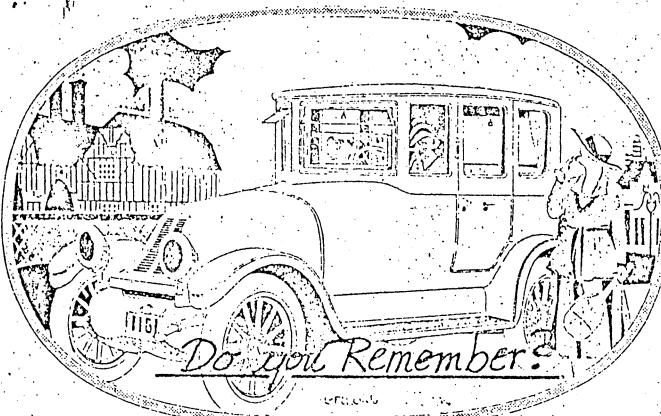
Sift one cup flour over fruit and nuts. Cream butter and sugar together, add beaten eggs. Sift together dry ingredients, add to batter. Add the molasses, stir, add the milk, stir. Mix well, and then add spices and fruit and nuts; mix.

Cook at 325 degrees for 2 $\frac{1}{2}$ or 3 hours in pans lined with wax paper. Put in tin box with $\frac{1}{2}$ apple; wrap cake in oil paper. Susan Schofield, Dallas, Texas

...the silent movie - all afternoon for only 5 cents?
 ...rides in the open trolley car - fare 5 cents?
 ...when a haircut was 15 cents?
 ...when you could park in either direction on both sides of the street, even Main Street?
 ...when the "5 and 10 cent" store meant just that?
 ...when anywhere outside the town limits was "country"?
 ...when politicians were statesmen?
 ...when "Cops" were respected?
 ...when young punks and hoodlums were put in jail?
 ...when a man's wages were two dollars a day?
 ...the corner grocery store - bread 7 cents a loaf?
 ...when a newspaper cost 2 cents?

Those were the days, remember?

Samuel W. Place



...when your doctor charged only 50 cents for an office visit?

...when it was a pleasure and an adventure to take a Sunday afternoon drive and be lucky to

have only one flat tire?
 ...the Model T Ford, the Stanley Steamer, and don't forget the prestige cars like the Packard, Peerless, Pierce-Arrow, Chadwick and the Winton?

GREAT-GREAT-GRANDMOTHER'S SPOTTED DOG RECIPE

Make a rich pie dough and roll it out long. In this dough put black and white raisins, brown sugar, white syrup, allspice, cinnamon, cloves and ginger. Tie the ends of the dough with a cord and put in an iron stove pot and boil till done.

Everyone knows that because I hurt my knee, I wouldn't be able to write an article for the "Crown Crier" this month — EXCEPT for the Editor. I feel it is my duty to inform you of the severe harassment that I have been subjected to because of this. The following are examples of the many memos I have received from the Editor's desk which have put me under severe emotional strain. I can only hope you, as decent employees, will back me in my cause and no longer buy her paper!

(Editor's note: See how adept he is at writing with his toes!!! S.E.E.)

96 HOURS!

(Whew!)

As of 8:45 P.M. your Crier article
on tax tips, etc. is

99-3/4 hours overdue.

(That record is getting closer!)

12:01 A.M.

A new day dawns and still no
article. Besides that you're

103 and 1/60 hours
OVERDUE!

(Must be a really good article!)

As of (yawn) 2:30 A.M. (z-z-z-z-z-z-z-)
—oops, I, uh, mean, uh, 3:10 A.M.
you're 106 and 1/6 hours past
(yawn) deadline.

Must be a record!

5:15 A.M. time to get up
already an' still no critical?
WHERE is it? Wear cool 17 BeXX?

108 1/4 hours late!

WOW!!! In a few more hours you'll
be able to make the Guiness Book of
Records for being the latest ever
with your Tax Tips, Etc. article the
CROWN Crier.

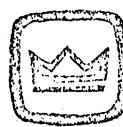
Think of it! It's 8:00 A.M., back
to work. . . . AND, . . . you're ill

THIS IS TO CERTIFY THAT

Ross Swinehart

has achieved the dubious honor of recorder-holder for the most
hours late on his article Tax Tips, Etc. for the CROWN
Crier. His total hours of lateness (118.5 hrs) now
qualifies him for a place in CROWN's own Guinness Book of Records
AND requires that he hand in his article RIGHT NOW!!! (3:30 P.M.,
January 21, 1976).

Editor-in-Chief
CROWN Crier



John D. Crier

I was late!