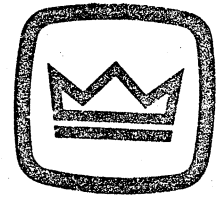
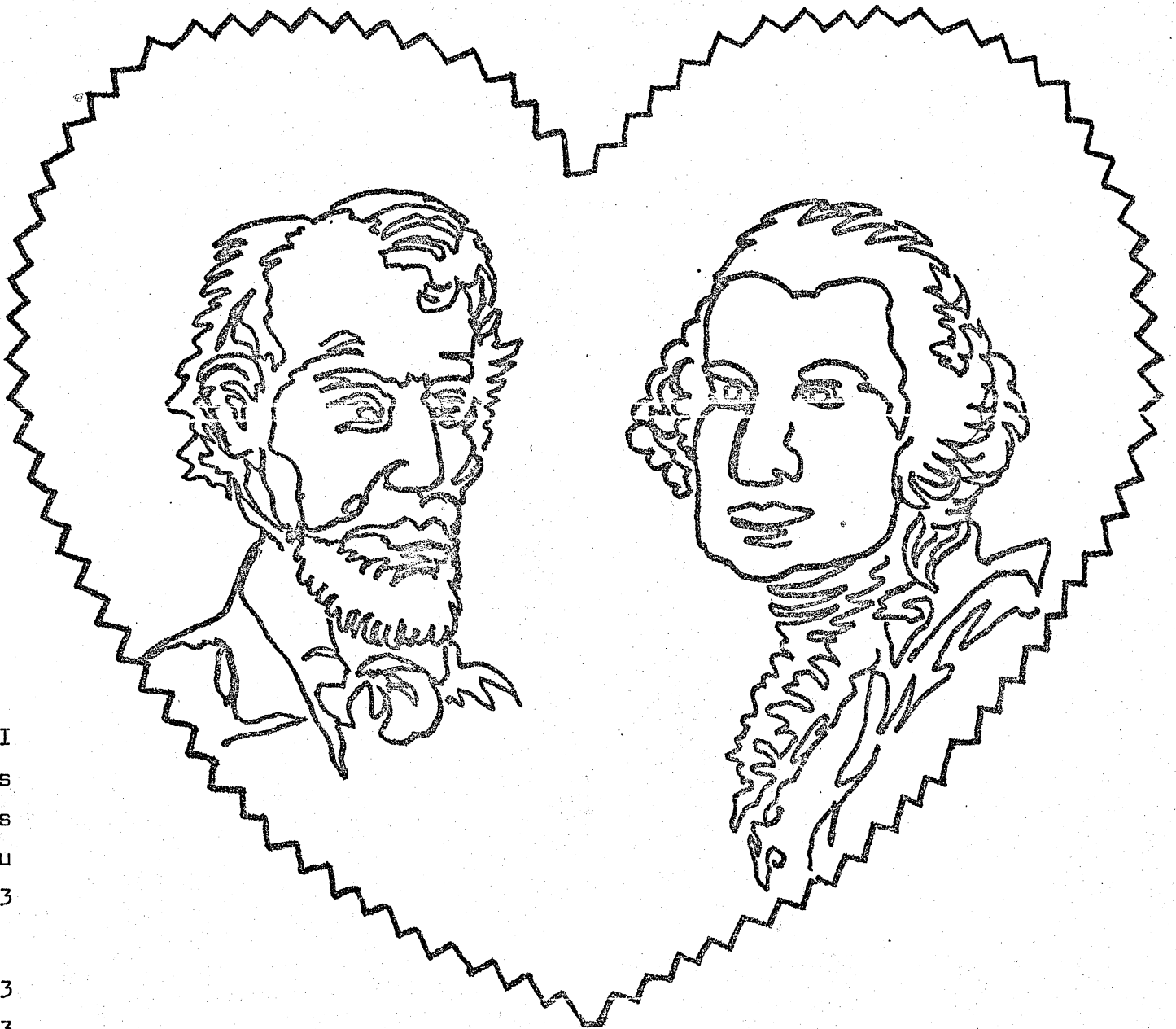


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In God we Trust



Crown

Answers to Issue 32's Problems

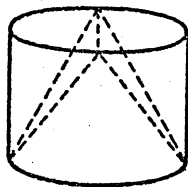
from the desk of:

GERALD STANLEY

C4/S

First make from the block a cylinder of diameter 2 in. and length 2 in.

Now cut along the dotted lines to form a wedge-shaped piece. This is the required shape.

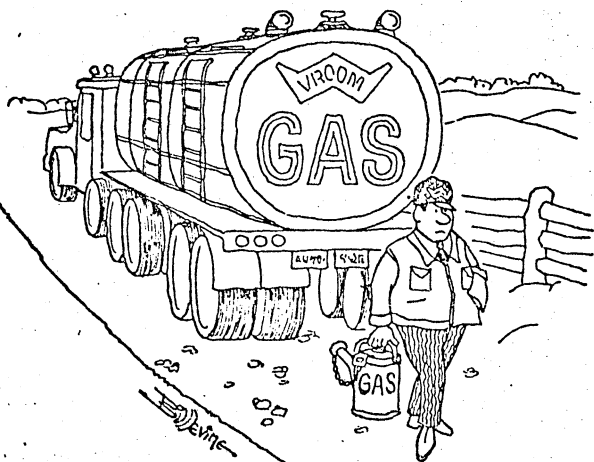


B4/S

Take one flywheel made by each machine and find their total weight. Compare this with the weight of the equivalent number of good flywheels to obtain the discrepancy (over- or underweight).

Now take 1 article from machine No. 1
2 articles from machine No. 2
etc.

and weigh these against the correct weight for that number of parts.



56. The World of Bonkers

1. Put information about numbers of days in months in a more convenient form:

Cucumber	19
Strawberry	19
Tiddleywinks	17
Jinks	17
Pinafore	10
Collywobble	{ 13 (even years) 44 (odd years)
Stephen	{ 4 (if year's date does not end in 7) 6 (if year's date ends in 7)

Consider first piece of information.

From Funday, Strawberry 17th to Blissday, Tiddleywinks 8th is just over 7 weeks, \therefore Funday, Strawberry 17th to Funday, Tiddleywinks 6th is exactly 7 weeks (35 days). Of these days $8(2+6)$ are in Strawberry and Tiddleywinks, leaving 27 for other months. The only possibility in this year is Jinks (17) and Pinafore (10).

\therefore we have (i) Strawberry
(Jinks
Pinafore)
Tiddleywinks

These are consecutive months, but we don't yet know whether Jinks or Pinafore comes first.

Consider other information. There are 50 days from Collywobble 41st to Pinafore 7th. 10 of these days ($3+7$) are in Collywobble and Pinafore, leaving 40 for intervening months. Stephen only has 4 days this year, and the only combination of months that can produce 40 is Strawberry or Cucumber (19), Jinks or Tiddleywinks (17), and Stephen (4).

\therefore we have: (ii) Collywobble
(Strawberry or Cucumber)
(Jinks or Tiddleywinks)
Stephen
Pinafore

We do not yet know the order of the intervening months.

From (i) we know that Jinks comes before Tiddleywinks and from (ii) we know that Jinks comes before Pinafore. From (ii) we see that Collywobble and Stephen must, in that order, come before the four mentioned in (i). Since we know that Collywobble is the first month of the year, the remaining month, Cucumber, must be last.

Order is: Collywobble
Stephen
Strawberry
Jinks
Pinafore
Tiddleywinks
Cucumber

2. Collywobble 2nd comes before Strawberry 13th. Since it is the year 21 there are 44 days in Collywobble and 4 in Stephen. \therefore number of days is $42+4+13=59$ — i.e. 11 weeks and 4 days. 4 days before Workday is Joyday.



Crown

from the desk of:

This Issue's Problems

K/2

'I've just been looking round the orchard', said Peter, 'to find how many rows of three trees we have—three in a dead straight line I mean. Actually there are eighteen'.

'But we've only twelve trees in the orchard', I replied.

'I know that but there are eighteen rows of three all the same', repeated Peter.

Can you draw a possible layout of the trees in our orchard?

J/2

Letter from School

Dear Daddy

I hope you are well. I have run out of pocket-money. There are two chaps here who are up for election to be head of the Black Hand Gang: Chuck and Lefty. They have been round to us finding out how many votes they will get, and nine of us are going to vote for Chuck and six for Lefty. So Chuck will be elected but we still have to have an election and what is worrying him is this: it is one of the rules of the Gang that we have to vote one at a time and the votes are counted as we go along. The order of voting is random and every time Chuck *loses the lead* (even if he does it on the first vote) he has to stand everybody an ice-cream. What is Chuck's chance of getting away without having to buy any ice-cream?

Peter.

PS. Chuck and Lefty cannot vote themselves.

GRAVE PLIGHT

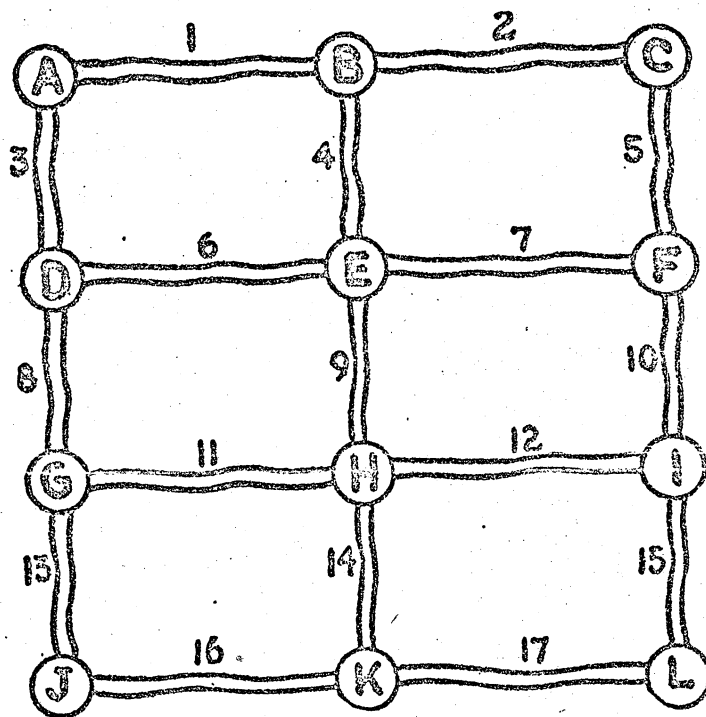
62. The following inscription actually appears on a gravestone in the churchyard of Denham, Buckinghamshire, England. It contains an error. See how long it takes you to detect it.

Sacred to the memory of
Mr. EDWARD FOUNTAIN
Of this Parish, Who Died
On the 28th Oct. 1823;
AGED 66 YEARS

Also of
Mrs. SARAH FOUNTAIN
HIS WIDOW, WHO DIED
ON THE
23rd SEPTEMBER 1812
AGED 82 YEARS

TRICKY PATH THROUGH THE FIREWORKS PLANT

50. A fireworks factory stores the product that's in stock in 12 small buildings. There are roadways connecting them, as indicated in the illustration. The factory's chief guard had to plan a route by which he and the other guards could walk along all of the 17 roads, to keep an eye on each of the 12 buildings, with the least amount of retracing of steps that is possible. The route had to start at Building B and end at Building K.



See if you can figure out the route involving the least amount of walking.

EMPLOYEE FUND FINANCIAL STATEMENT

EXPENSES: August 1974 through January 1975 (6 months)

Rolls, pop, candy, milk, etc.	\$5,319.71
Flowers	92.05
Baby gifts	38.50
Roll pick-up	65.00
Miscellaneous	<u>54.90</u>
Total	5,570.16

RECEIPTS: August 1974 through January 1975 (6 months)

All concessions	<u>5,565.80</u>
-----------------	-----------------

CURRENT FUND BALANCE (February 6, 1975)

\$ 229.71

(includes approximately \$175.00 from the
\$1.00 levy on employee payrolls)

NOTE: We are spending more than we are earning, hence the payroll
levy. We will have to improve profits or cut expenses.

February 10, 1975
Bernita Struble - Treas.
Dave McLaughlin - Pres.

SET COM NEWS by Bob Kollar

Since the last time the Set Com News was in the Crier, a few things have happened to the people of our hallowed hall.

First of all, John Miller has found a new house somewhere out in Jimtown where he and his family will be moving sometime in the next few months.

John and Dave Menges have been talking about building a three quarter size P51 (alias P38.25. Ha! Ha!) but since the cost would be about \$15,000 or so, I doubt if the project will fly--- although Dave and John might when Goldie and Mary get wind of the idea!

Remember that white van Mike used to drive? It's green now! Rumor has it that it is really an unripe lemon since it has to be worked on so much. It's either that or since Mike has stuck so much money into it trying to keep it up, it took on the green tint of the money flowing through it.

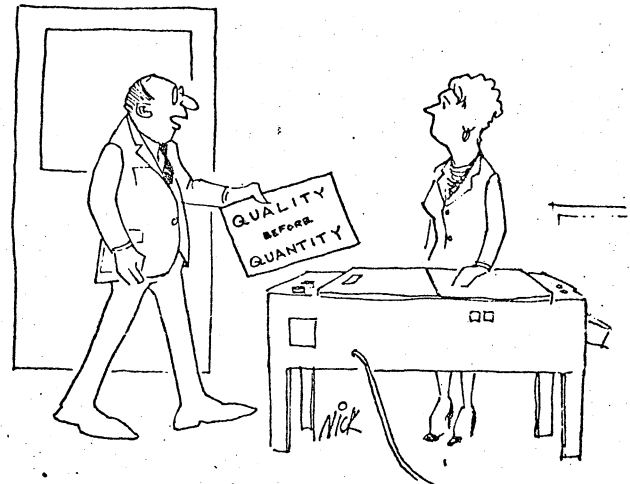
Terry has acquired an unusual car also-- instead of burning regular gas, it burns half and half. Rich stuff, eh? I hear, though, that when he uses 20W50 instead 20W20 he gets 83 miles to the quart instead of the 50 miles to the quart he got previously. Can your car match that mileage?

John Miller will be hitting magic 30 on the 22nd of February and after the presentation I gave Dave Engstrom for his 24th birthday, I'm going to have to really think to find the right

thing for John. (I'll almost be disappointed if they don't try to get revenge on me when I get up in years like they are now!)

Other than my getting the General Class Ham ticket, that's about all for Set Com.

??



"The old man wants ten thousand copies."

??

HAVE YOU HEARD . . .

that Set Com is now specializing in Sears preamps??????????

??

You never get a second chance to make a good first impression.

TAX TIPS from Ross

- A. Car Rebates - If a customer buys a new car and later receives a cash rebate from the manufacturer or the dealer, the cash rebate will not be considered as income. Instead it will be treated as a reduction of the purchase price which will reduce the buyer's basis in the car.
- B. Early withdrawal from time deposit savings accounts - Premature withdrawal of a time deposit results in the forfeiture of some interest as a penalty. This forfeiture is deductible on a 1040 tax return whether or not you itemize your deductions. The deduction is taken in the space next to "Adjustment to Income" (between lines 38 and 39) on page 2 of Form 1040. There you write in "forfeited interest penalty" and enter the amount.
- C. Retirement Fund - The new Pension Reform Law has introduced a brand new Individual Retirement Account (I.R.A.)--an innovative way to put away some of your income, get a current deduction for it, and let it build to retirement tax free. Anyone not covered by an employer plan is eligible to set up an I.R.A. by contributing 15% of his compensation up to \$1500 each year. The full amount contributed can be deducted off the top whether you itemize or take the standard deduction. The income earned from the I.R.A. is completely tax free until its paid out.

Each married person's earned income is treated separately so each may set up his or her own plan.

Most banks and other financial institutions, insurance companies and the like are available to set an I.R.A. up.

%%%%%%%%%

People can be divided into three groups:
those who make things happen, those who watch things happen,
and those who wonder what happened.

--John W. Newbern

Between the "Lines". . . .by Marcia
Valentine's Day is a day for lovers,
sincere wishes, and for dreamers to
imagine what the best Valentine ever
would be. If you could get a Valentine
from anyone in the world, who would
it be?

Sylvia Miller: "Maybe Tennessee
Ernie Ford, but if it can be
from anyone in the world, it
would be Prince Charles from
London."

Dale Parrott: "Some famous female
singer. Either Olivia Newton
John or Helen Reddy. Anyone of
those would be nice."

Donna Baker: "My husband! I have
never gotten a Valentine from my
own husband."

Don Florea: "Probably Zsa Zsa Gabor!"

Don't forget to wish a be-lated Happy
Birthday to our "ground hog" babies
of the month--Nancy Brock and Irma
Shank!

*** *** *** *** *** ***

From childhood memories comes this
inspiring Valentine message:

Jesus is my true Valentine--
His heart was pierced for me.
I cannot tell
Why He loved me so well,
But He proved it on Calvary.

*** *** *** *** *** ***

Engineering Terry Toons

First news first. Congratulations

to Dave and Terry Stuber. Their family
has had a new addition. That's right,
just one! His official name is James
Dave (what a middle name) and his destiny
--just like his father: hot rodder,
snowmobiler, ace mechanic, etc.,etc.
This will be a help to Vern--now he
can quit installing telephones where-
ever Dave has to work.

Other news in the department: Vern,
Larry and Millard have been having
problems with keeping the heat on in
the mornings. Seems as though the
boiler won't boil, which is something
it just has got to do.

This month I have two words of advice:
(1) At this time of the year we are
reminded to get our auto license plates
for the new year. Try to remember--
because the police have an expensive
reminder program called a ticket!?!
Speaking of tickets brings me to point
#2. If for any reason you intend on
driving in or through the state of
Ohio, obey the speed limits to the
"tee." The State Police have a revenue
program that's unbeatable. I know. . .
as I have already paid my share. Last
month on a trip across Ohio (which is
roughly some 240 miles) we counted 12
State Police with people stopped. So
keep this in mind when traveling East.
We are glad to have Ray back after his
back attack--now I have someone to pick
on.

Well, coffee is getting cold. Guess I'll
go get a refill. Till we meet again. . .
Aloha!

--Tom Szerencse

LADIES

NEED OF LOVE

PSYCHOLOGISTS WILL TELL YOU THAT . . .
 A LITTLE BABE MAY DIE . . . IF SOMEONE
 DOES NOT STOOP WITH LOVE . . . ATTENTIVE
 TO ITS CRY . . . WE MUST BE LOVED IF WE
 WOULD LIVE . . . IN SUCH A WORLD AS OURS
 . . . FOR WITHOUT LOVE WE LOSE OUR WAY
 . . . LIFE SICKENS AND IT SOURS . . . BUT
 EVEN MORE OUR SOULS ARE MADE . . . IN
 IMAGE OF THE ONE . . . WHO, WHEN OUR
 LOVE WAS GROWN COLD . . . SENT UNTO US
 HIS SON . . . AND WE, HIS OFFSPRING, ALL
 ARE BORN . . . IN NEED FOREVER OF . . .
 SOMEONE TO LOVE US, BUT WE NEED . . .
 STILL MORE, SOMEONE TO LOVE !

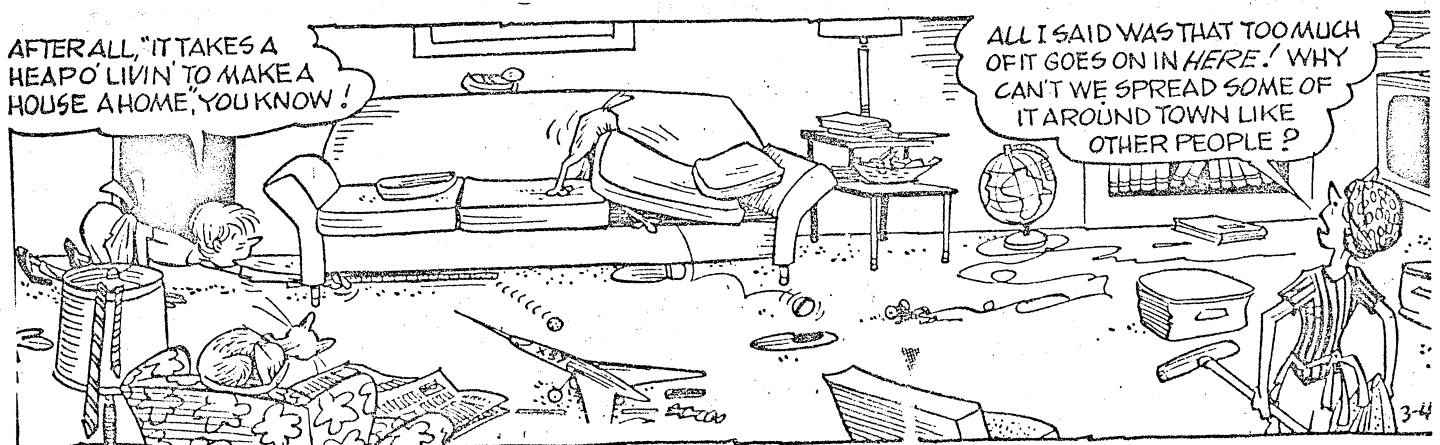
February is the month we should all
 tell someone how much we love them.
 I trust you did. Some of you may say
 I don't have anyone to express my
 love to. This cannot be true for we
 all have the HEAVENLY FATHER who loved
 us so much He gave His Son. So we in
 turn should express our love for Him.

I HAD PUT MY SON TO BED FOR THE
 UMPTEENTH TIME AND MY PATIENCE
 WAS WORN THIN. WHEN I HEARD HIM
 CRY "MAMA" AGAIN, I YELLED UP AT
 HIM, "IF YOU CALL "MAMA" ONE MORE
 TIME, I'LL SPANK YOU." AFTER THAT
 THERE WAS QUIET. THEN, JUST AS I
 SAT DOWN FOR A MINUTE OF REST, I
 HEARD A WEE WHISPER, "MRS. GREEN,
 MAY I HAVE A DRINK?"

RED - and - WHITE CHERRY FREEZE

1-3 oz. package cream cheese
 1-9 oz. can (1 cup) crushed
 pineapple
 2 cups tiny marshmallows
 1-9oz can (1 cup) pitted Royal
 Anne cherries, drained
 1/3 cup quartered maraschino
 cherries
 1 cup heavy cream, whipped

Soften cream cheese; blend in
 pineapple. Add marshmallows and
 cherries. Fold in cream. Pile
 into 10x6x1½ inch dish or re-
 frigerator tray. Freeze firm.
 Cut in squares; top with whipped
 cream. Make 6 servings.



WE CAN HARDLY WAIT FOR THE PERFECT COMPUTER, THE ONE WHERE YOU FEED IN YOUR PROBLEMS
 AND THEY NEVER COME OUT.

Lest the cherry tree becomes trite from hearing of it so often in February, we offer this food for thought by T. Roy Finley:

An Oak or a Telephone Pole ?

Have you ever walked down a street which was lined with stately oaks? Rising high on either side, they extend their leafy arms across the street until they form a canopy of green, affording shade throughout the summer months.

At regular intervals among the oaks is a shabby telephone pole--splintered, gashed, and weatherbeaten. Although it stands erect as the oaks, it sprouts no branches, shoots forth no leaves, and contributes nothing to the gorgeous symphony of green and brown and yellow which thrills the heart of every passerby.

What is the difference? Simply this: The oaks have roots, and the telephone poles have none.

The Christian is just like one of these oaks. He has sunk his roots deep into the promises of God, and in those promises he has found the source for transforming life into a fresh and growing, vital thing. That source is Christ!

CREDIT COMMENTS by Barb Hoefflinger

And, here it is February 1975! Time does march on. TIME, how precious it is--how much of it do we waste? Seconds, minutes, hours, days, weeks, months or even years.....

Already Valentine's day has come and gone, Abe's birthday, now George's and in the same breath we might add. . . .

Many happy returns to Mrs. Moore! How nice to have been born the same month as these great men of time.

And of course we can't forget CW-- Happy 22nd birthday to you, too!

Sure is nice to have the full work force all present and accounted for-- so many have been out from the flu. It makes one wonder if there is an end! There's only a numbered few

that haven't been sick--and we won't mention them 'cause if the bug's listening, he might attack! Oops, almost forgot--Agnes is on vacation right now--we can't forget her!

A tribute to our Credit Department! The Sales department might be blessed with some terrific salesmen but we think our own SS can measure up to any one of them! You should just hear her when she's making her calls to our customers, reminding them to pay up (of course, she doesn't put it that way, but she has a come-back for every "cop out" they have to offer!) And if she doesn't RM does! What style! What a smile! What finesse! You'd think they would beg to pay! Keep up the good work!

A special thanks to our dear Carol Wiebe--for just being Carol and doing a great job on the front lines!

Last but not least--a big CONGRAT-
 ULATIONS goes to Ms. Beth Cline!
 With Jesus Christ as head of her
 home, we don't even have to say good
 luck! For when you have Jesus, you
 have everything!

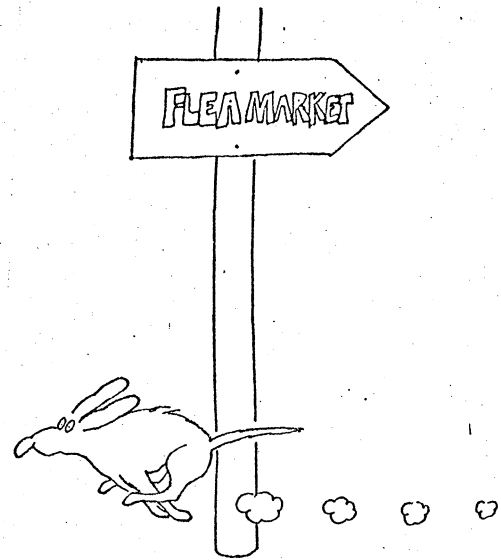
Cooperation is doing with a smile
 what you have to do anyway.

CROWN Sportsby John Bachman

Not too much to report this month.
 It seems both bowling teams are on an
 even keel and running near the
 bottom. As the season's end draws
 near, the men's team continues to
 drop. One bright spot, though, was
 Larry Dennison's 246 several weeks
 ago.

My thoughts are beginning to drift
 outdoors as the sun seems warmer
 and the weather brings rain, not
 snow. Soon the sound of "Kill
 the ump", "get a hit" and "he blew
 it again" will fill the air. . .
 and this reporter will be glad to
 trade his bowling ball for a glove.

Gerald's Puzzles . . . Gerald Stanley
 Set Com News Bob Kollar
 Tax Tips Ross Swinehart
 Between the "Lines". . . .Marcia Putz
 Engineering NewsTom Szerencse
 Ladies Page. Kate Moore
 Credit Comments. . . .Barb Hoeflinger



Production Ponders

We've had a few exciting moments this
 month! First was a bridal shower/
 supperette given by Dawn, Mary Ellen
 and Mary for Beth Cline. Beth received
 many useful items at the gala occasion
 which was attended by 26 people. Beth
 will be Mrs. Randy Yoder after the 22nd
 of February!

Another exciting moment was when Ken
 Yoder left for Cincinnati to learn
 more about our computer. We really
 missed him all week (in fact, we had
 to call him nearly every day.

Rumor has it that someone in our office
 has a new car--wonder who that could
 be?!?!?!?!?

We need to remember Glen's and June's
 mother in prayer.

Well. . . .that's all for this time!

CROWN Sports. John Bachman
 Front Cover Gale Balmer
 Editor. Sylvia Eger