crown ⬚ crier

Injun Summer

CROWN SPORTS. . . . . by John Bachman

Plant #2 sports leads the list this week with horseshoe happenings. As this reporter gets it, Melvin Smith and Gene Gevaert tore up Ike Kulp and Steve Scholfield 21 to 1--after which Mel and Gene broke their team ties and battled for single supremacy. Gene won 21 to 0 and Melvin is still saying "no comment."

In bowling news--well, no news would be better. I'm not just sure what to say about the girls. Within a two minute time span I asked two people on the team how they were doing. One said, "Don't ask"; the other, "Fantastic." I don't know which to believe, but they are in 12th place-- and rumor has it that there are only 14 teams in the league.

The men are doing better and were in second place until last week when the bottom fell out and they lost 3 of 4 points. Tom Szerencse requests that Engineering not work Bill Brennan so hard! It seems Bill was so tired that when he finally woke up last week, it was time to go home!

Coach Clark wishes to thank all those (and I quote) "Turkeys" who were afraid to sign up for football. It makes his job a lot easier when he is the only one he needs to coach.

:::

We need more FBI Christians--those with Full Bible Intelligence.

<div align="right">-Our Daily Bread</div>

THE SCENE AT SALES. . . . . .

The scene at Sales this month is a little different. We have moved some titles around, but the people are still in the same places. The two Regional Sales Managers are Howard King and Ken Woodcox. They are dividing the United States at the Mississippi River. Ken will be handling the western half of the United States plus Indiana and Kentucky while Howard will have the eastern half. This has caused a re-distribution of reps, but it seems to be working out real well.

We also have another new title in Sales. This title is held by Jim Beattie. He is now handling not only export sales but also the newly created position of Director of Consumer Marketing. Jim still is a very busy person though. If you don't believe me, just try to find him sometime.

Dennis Badke has been added to the list of Sales Department employees. He handles technical correspondence. He seems to fit in real well with all the guys back there. Ask him to show you some of his talents. . . he can even talk like a famous star. Ask him who it is--he'll probably be glad to tell you, as well as demonstrate!

We had a little excitement around Sales when football was the big gossip at CROWN. One of our "secretaries" decided she would rather return a football than a typewriter carriage. Of course this caused a small rumble--

Scene at Sales (cont). . .

a few days of harrassing and then
the smoke was blown over. (We won't
mention any names, SE.)

That is about all for the Scene at
Sales. See you all next month.

                    --Donna Martin

##

". . Anyone see the toothbrush I use to sweep out the hamster's cage?"

##

Ladies Page . . . . .Kate Moore
Scene at Sales. . . . . .Donna Martin
CROWN Sports. . . . . .John Bachman
Between the "Lines" . . . Marcia Putz
Gerald's Puzzles. . . .Gerald Stanley
Ham Radio Report. . . . . .Don Florea
Front Cover . . . . Gale Balmer
Editor. . . . . Sylvia Eger

##

Character is what a man is in the
dark.
                    --Dwight L. Moody

HAM RADIO REPORT   by Don Florea

In this article, I would like to show
you how you can become involved in
Amateur Radio. Within the next few
weeks, we again will be offering a
novice code class for the beginner.
This class will be offered during the
first half of the noon hour, probably
from 12:10 to 12:30.

I suppose the biggest question is,
"How do you learn code?" or "Isn't
it hard?". Code, like any other
skill, takes concentration and deter-
mination. After all, look how long
it takes a person to learn to type.
The person must first be able to
locate the correct key for each letter;
from then on it is just a matter of
practice. The same applies to code.
You must first learn how to make each
letter from the sounds you hear and
then practice until your mind uncon-
sciously does the work for you.

To help prepare yourself for code
class, I sould suggest the following
hints: First, break the alphabet
down into groups, such as A-E, F-J,
K-O, P-T, U-Z. Then work on memorizing
a group of letters a day until the
whole alphabet is learned. Then once
you have the letters in your mind,
try to spell words or code the words
you use. In this way, the only trans-
ference to be done in code class will
be to break the sounds into letters.

Below is the alphabet in Morse Code. Sound each (-) as a dah and each
(.) as a dit. In this way, you can make each letter sound as it does
when it is sent over the air.

How the code looks

A. •—	H ••••	P •——•	X —••—
B —•••	I ••	Q ——•—	Y —•——
C —•—•	J •———	R •—•	Z ——••
D —••	K —•—	S •••	
E •	L •—••	T —	
F ••—•	M ——	U ••—	
G ——•	N —•	V •••—	
	O ———	W •——	

code by sound

A dit da	M da da	X da dit dit da
B da dit dit dit	N da dit	Y da dit da da
C da dit da dit	O da da da	Z da da dit dit
D da dit dit	~~P dit da da dit~~	
E dit	P dit da da dit	
F dit dit da dit	Q da da dit da	
G da da dit	R dit da dit	
H dit dit dit dit	S dit dit dit	
I dit dit	T da	
J dit da da da	U dit dit da	
K da dit da	V dit dit dit da	
L dit da dit dit	W dit da da	

By the way, since the last code practice sessions, four people have received their Novice licenses: Ron Harner, Mike Anderson, Mike Fry, and Jim Bontrager.

##

Secret Mystery Message

A .-	K -.-	U ..-	Comma --..--
B -...	L .-..	V ...-	question mark ..--..
C -.-.	M --	W .--	
D -..	N -.	X -..-	
E .	O ---	Y -.--	
F ..-.	P .--.	Z --..	
G --.	Q --.-	period .-.-.-	
H	R .-.		
I ..	S ...		
J .---	T -		

L O R D ,) F I L L M Y

M O U T H W I T H W O R

T H W H I L E S T U F F

) A N D N U D G E M E

W H E N I H A V E S A I D

E N O U G H H

A M E N

DID YOU KNOW THAT---

1. The cost of insuring contact lenses against loss or damage is a tax deductible expense.

2. The cost of divorce is not a tax deductible medical expense even though the divorce was prescribed by a doctor for health reasons. (Sorry-Men)

3. By transferring all rights of ownership in life insurance policies to the spouse, the insurance proceeds will not be taxable in the deceased husband's estate.

4. The first $100 of dividends received during a year is not taxable.

5. The U.S. Government is sponsering, through FHA lenders, such as banks or finance companies, an energy conservation program which is designed to promote home fuel efficiency by offering home improvement loans at decreased interest rates. However, all financial institutions in our area have declined to participate and are charging from 14% to 16% interest on home improvement loans.

6. If both husband and wife are working, the cost of child care is tax deductable up to $200.00 a month. That's the ceiling for out-of-home expenses for one child. (The ceiling is $300 for two children; $400 for three or more.) This deduction is not allowed for amounts paid to individuals who are related to the taxpayer or spouse. Also This deduction is available only if a joint tax return is filed. If the combined adjusted gross income exceeds $18,000, the deduction drops $1 for every $2 you have over $18,000. (Note-A bill is pending to raise this figure to $30,000.)

by Ross Swinehart

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

DID YOU ALSO KNOW THAT---

-according to R.S., Jane Martin can't type--or talk either?

-according to J.M., Woss Swinehawt can't talk wight ? (Sowwy, Woss!)

LADIES

DURING THE SEASON OF

"TRICK" or "TREAT"

TREAT YOUR GUESTS TO A GOOD CUP OF

COFFEE --- HERE'S HOW !

How To Brew A Better Cup Of Coffee

Making great coffee needn't be a grind, if you follow a few simple rules.

The coffee pot must be thoroughly cleaned to insure the best possible brew.

The next essential is fresh coffee. Storing coffee in the refrigerator helps retain its freshness.

Measure precisely: 2 level tbs. of coffee for every 6 ounces of water. This formula pleases most people and is recommended by coffee experts.

What method should you use: drip or perk? Most experts prefer the drip filter technique. They feel that perking over-extracts coffee grounds, and because it boils the coffee, results in a bitter taste. With the drip filter method, water passes through the coffee just once.

In the past, many people simply didn't want to bother with clumsy, hard-to-operate drip filter equipment. Now Norelco has marketed a fully automatic Drip Filter Coffee Maker. Since the coffee never boils or perks, it has no chance to become bitter. And it brews a full 12 cups in just 7 minutes.

One final tip: serve your coffee with cream that has been brought to room temperature. This cools the coffee as little as possible--and wins heart-warming praise from your guests!
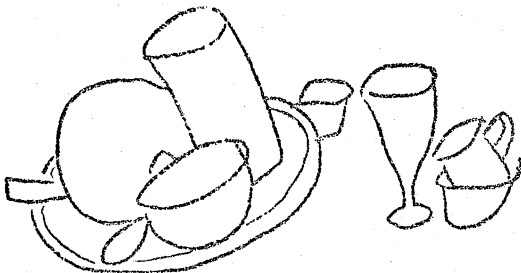
PRIORITIES

There is only one place in which success comes before work,
And that is in the dictionary.

A PRAYER FOR TODAY

This is the beginning of a new day. God has given me this day to use as I will. I can waste it — or use it for good, but what I do today is important, because I am exchanging a day of my life for it! When tomorrow comes, this day will be gone forever, leaving in its place something that I have traded for it. I want it to be gain, and not loss; good, and not evil; success, and not failure; in order that I shall not regret the price that I have paid for it.

THANK GOD FOR DIRTY DISHES,
    FOR THEY HAVE A TALE TO TELL:
WHILE OTHER FOLKS GO HUNGRY,
    WE'RE EATING VERY WELL.
WITH HOME AND HEALTH AND HAPPINESS,
WE SHOULND't WANT TO FUSS, FOR BY THIS STACK OF EVIDENCE,
GOD'S VERY GOOD TO US.

There was a baby corn borer named
Motor and he came up missing one
day so his frantic mother searched
and searched until she finally found
the right ear, then out bored Motor.

+++   +++   +++   +++   +++   +++

MAN vs MACHINE ? ? ? ?

One of the most exciting rooms we
have here at CROWN is the (believe
it or not) Xerox room. You'd be
surprised how many things (mostly
funny) happen in there. The funniest
one that I've seen is when some one
was trying to get just one copy--
but couldn't. She thought there
was something wrong with the machine.
She must not have wanted that copy v
very badly-----she had set the selec-
tor switch on zero. It doesn't work
very well that way, does it, Lou?

Then there was the day the service
man came to fix one of the machines,
since they give us so many problems,
and was caught talking to himself.
That room does funny things to people.

And how about the day we caught a
girl lying on the floor, trying
to reach a sheet of paper that had
slipped under the machine. . .!

Once Sylvia thought something was
really wrong--she'd tried to run
one copy (on the wrong machine--
shame on you, Sylvia!) and couldn't
find the copy. It happened that the
person before her had forgotten to
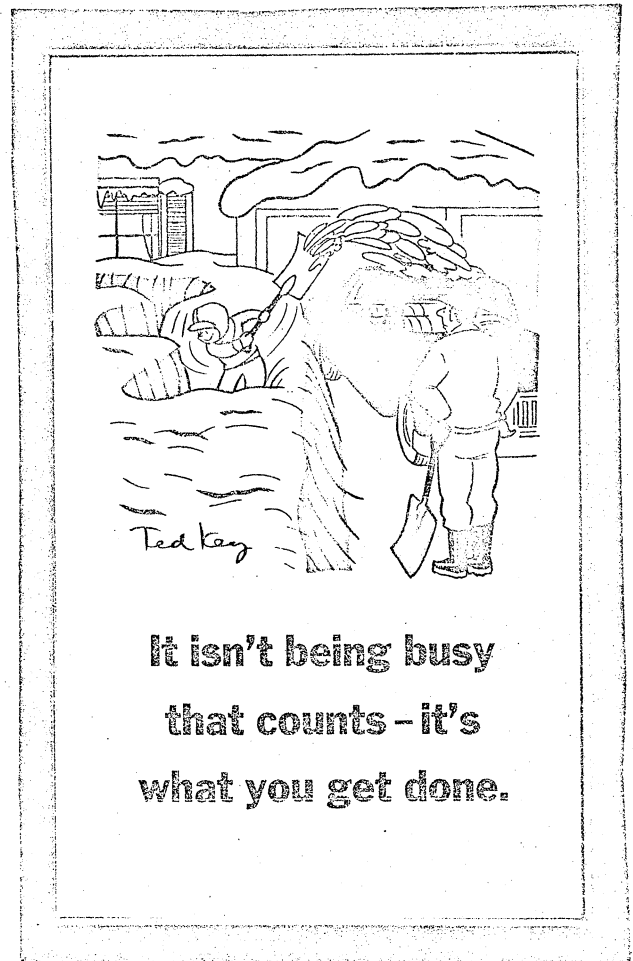turn off the sorter.

Of course, not everything that hap-

pens is funny. A couple of times the
machine has caught on fire--actually
flaming! For more details, ask Mary
M. or Donna M.

These are only a few of the things I've
seen happen in that really busy room.
You'd think everyone was in there at
once sometimes--many with comments like
"Ugh, you again," or "Can I run just
one?"and "You still here?!" A few give
up and come back later. I guess you
could say the Xerox room teaches
patience. . .

By Dolores Moser

xxx   xxx   xxx   xxx   xxx   xxx   xxx

It isn't being busy
that counts - it's
what you get done.

Struldbrugs
J1/S

Suppose there are n letters, and consider an unterminating random series of the letters; the chance that any particular letter will be a specified letter is $1/n$. The question is, what is the average length of the run in such a series for every letter to appear at least once?

In such a series the expected run required to reach one of $P(Sn)$ specified letters is n/P, say $1/p$.

For the chance that the first is one of the P is p. The chance that the second is one of the P but the first is not, is $(1-p)p$. The chance that the third is one of the P but the first two are not is $(1-p)^2p$ and so on. Thus the average length of run is:

$$p+2\ (1-p)\ p+3\ (1-p)^2p+\ .\ .\ .$$
$$=p[1+2\ (1-p)+3\ (1-p)^2+\ .\ .\ .\ .]$$
$$=\frac{p}{[1-(1-p)]^2}=\frac{1}{p}, \text{ as stated.}$$

Hence, if at any stage there are P letters left to be obtained the average length of the run required to get one of them is n/P. Moreover, the runs are independent. Hence the length of run required to get all the letters is

$$\frac{n}{n}+\frac{n}{n-1}+\frac{n}{n-2}+\ .\ .\ .\ \frac{n}{1}$$

$$=n\ (1+\tfrac{1}{2}+\tfrac{1}{3}+\ .\ .\ .\ +\frac{1}{n})$$

By adding the reciprocals we find that, for $n=19$, run $=67\cdot4$; for $n=20$, run $=71\cdot95$ (corresponding to age $70\cdot95$).

Hence there are 20 letters.

Birthday Party
J3/S

Let x be the number of people.

The number of ways they can have birthdays is 365^x.

The number of ways they can have different birthdays is $365\times364\ .\ .\ .\ (365-x+1)$.

Thus the chance that a number of birthdays are alike is

$$\frac{365\times364\ .\ .\ .\ (365-x+1)}{365^x}$$

$$=1\left(1-\frac{1}{365}\right)\left(1-\frac{2}{365}\right)\ .\ .\ .\ \left(1-\frac{x-1}{365}\right)\ .\ .\ .\ 1$$
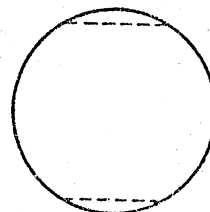
and this is to be less than $\tfrac{1}{2}$.

We may either work through this question until we arrive at a figure that is less than a half, or we may use an approximate method.

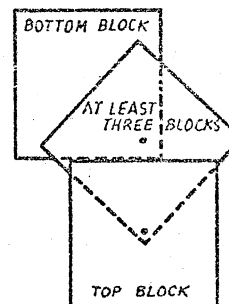Since x is relatively small compared with 365.

C8/S

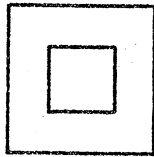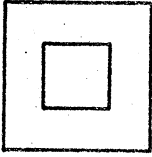The third elevation will look thus:—

C9/S

This problem may be solved with a minimum of five bricks (or cubes) thus:—

Taking moments about the edge of the bottom block will show that at least three blocks are required to counterbalance the top cube. The centre of gravity must stay inside the bottom block.

C / 1

We have given you two views of a solid object and ask you to draw the third. There are no dotted lines missing. You have the 'plan' and 'end' elevation. What does the side elevation look like?

A / 22

The letter *y* can be used as a vowel, as in *spy*, or as a consonant, as in *you*. Can you give (i) a word containing all six vowels once and once only in alphabetical order; (a word like FACETIOUSLY); (ii) a word which has all its letters in alphabetical order?
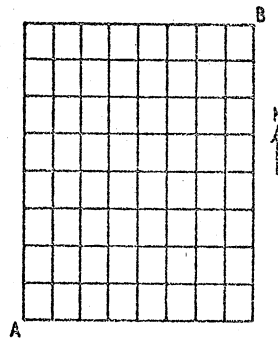
Which is the longest word you can give in which all consonants are in alphabetical order?

A / 23

You should not use a preposition to end a sentence with. Everybody will tell you this is a habit you must get out of. Otherwise we hate to think of the trouble you will be letting yourself in for. The best thing to do is to get it all out of your system by finding out how many prepositions you can fit in at the end of a sentence, which makes sense. We have a solution of nine; can you beat this?

If a word is in some context or other a preposition we will admit it even if it has adverbial force.

A / 24

The hour hand and the minute hand on a clock travel at different speeds. There are certain occasions (eleven every twelve hours) when the hands are exactly opposite each other. Can you give a simple formula for calculating the times of these occasions?

J / 4

'This is a map of the roads from *A* to *B*. Every line is a road. If I start to walk from *A* to *B* and you start to walk from *B* to *A* at the same speed, what is the probability that we shall meet?'

'You can take any route you like?'

'Yes, except that you mustn't go back along a path, or away from your destination. For instance, if you come from *B* to *A* you must always move from East to West or North to South',

'Can you say, what is the probability of our meeting if I cycle and hence travel three times as fast as you?'

Halloween: Where Did it Come From?

According to <u>Collier's Encyclopedia</u>, the "popular secular observance of
Halloween, falling on the night of October 31, is derived from the rites
of the Druids celebrating the day of Saman, when the Lord of Death called
together the souls of the wicked who had died during the past year. The
theme of the harvest, which runs through modern Halloween celebrations
comes from both the old druidic celebrations and the old Roman festivals
in honor of Pomona, goddess of fruit, which were brought to Britain
during the Roman occupation."

In Celtic and Anglo-Saxon tradition, October 31 was the eve of the new
year and significant in several areas. The fire festivals associated with
the return of the herds from pasture occurred at this time. They attempted
to placate supernatural powers to gain protection for the herds from the
demonic influences of the corn spirit. It was also important as the time
to renew laws, land tenures, and rekindle fire for the year. It was fur-
ther considered the most favorable time of year for divinations both for
communication with dead souls returning to homes and also those concerning
marriage, luck, health, death, etc. Many of the games played to ascertain
spouses and facts concerning them are the forerunners of the games played
with apples in our modern Halloween festivities. Traces of sacrificial
rites for the sake of atonement have been found in Scotland. Since
October 31 marks the beginning of the barren half of the year, goblins,
ghosts, witches and other evils quickly became associated with Halloween
by these pre-Christian era peoples.

Most of the activities carried on today, including pranks and all sorts
of mischievousness, trick 'n' treat, etc., came to us from Ireland. For
example, legend tells us that a certain fellow named Jack could not enter
heaven because of his extreme miserliness nor could he enter hell because
of the practical jokes he had played on the devil. Therefore he was forced
to walk the earth carrying his lantern until the judgment day--thus the
"jack-o-lantern." The druids contributed the concept of black cats we
associate with Halloween--they believed that cats were once people who
had been changed as punishment for their evil deeds.

Although many tricks are stilled played today, Halloween is primarily
a time when small children have fun dressing up as imaginary characters
and going from house to house begging for treats and "threatening" a

Halloween (cont.)

trick if they don't receive any. Halloween is a lot different now than in
the days when it consisted only of festivities of pagan peoples.

¥¥¥

Between the Lines. . . . Marcia Putz

Holloween is an exciting time during
the fall season that encourages our
cunning nature to come to the sur-
face of our personalties. Is it the
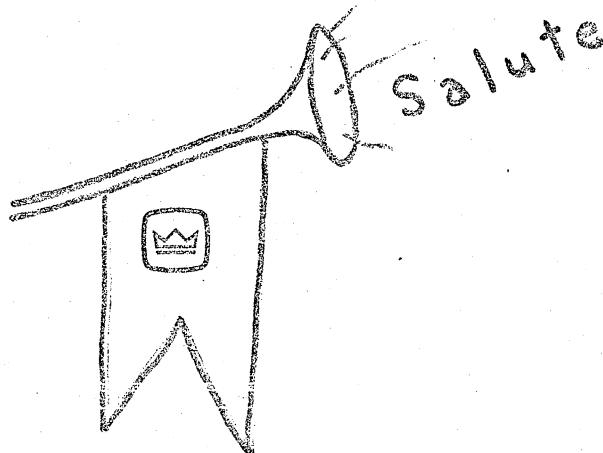cold brisk air or the moon lit nights
that cause us scheme?

Most people will admit to soaping win-
dows and have acquired a good arm for
throwing rolls of toilet paper. But
it's hard to believe they ever had
any practice aiming from a helicaptor
as Dave Stuber did! While he was in
Viet Nam, Dave and a few other men
"T.P.'d" a Marine pontoon boat by
unraveling one roll at a time until
they had completed their mission.

If you haven't decided to go to
"Scream in the Dark" yet, this may
help you make up your mind one way
or the other. Sylvia Miller will be
the witch in the house this year.
She specializes in cackling, shrieking
and screaming.

John Bachman doesn't recall ever pul-
ling any practical jokes, or even
being out on Halloween night?!? His
mother was a very stern woman and
made him sit at home.

* * *

A fake friend is the sort of a man who
lends out his umbrella when the sun is
shining and asks for it back when it
rains.

Have things seemed to have a little
extra sparkle lately? If so, it's
because of the good care and hard work
by our maintenance man Gale Balmer,
subject our CROWN Crier salute this
month. Gale has done an excellent
job on not only regular maintenance
duties but also those little extras
that mean a lot--dusting the paneling
in the front hall, spotting the car-
pets, turning stubborn desk pads,
keeping grubby fingerprints off of
windows, etc. Gale, we sure appreci-
ate your thoughness in your work
of making things pleasant for us and
your friendly manner.

(See our front cover for something else
Gale does very well.   --Ed.)