

1975

Thirty-third Annual Report
CASS COUNTY SOIL CONSERVATION DISTRICT

Ia-SCD-27

Atlantic, Iowa.

1975

1 Office ✓

1 William H. Greiner ✓

7 to Area office ✓

1 Extension Service ✓

CONGRESSMEN Richard Clarke Tom Harkin

George Golinghorst
Pres. IASCD
RFD 2,
Walcott, Iowa. 52773

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Leon Jensen, Chm.
Don Vohlenhaus
Forrest Teig
Don Wilkinson

Anita 50020
Massena 50853
Griswold 51535
RFD 2, Atlantic 50022
1612 Oak St., Atlantic 50022

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(Directory)

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League City, Texas 77573

CONSERVATION OFFICER

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DISTRICT FORRESTER

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Atlantid State Bank 600 Chestnut Atlantic
First Whitney Bank & Trust 223 Chestnut St., Atlantic
Anita State Bank, Anita, Iowa. 50020
Cumberland Savings, Bank, Cumberland, Iowa. 50843
Farmers Savings Bank, Massena, Iowa. 50853
Griswold State Bank, Griswold, Iowa. 51535
Home Federal Savings and Loan Assn.
327 Chestnut St., Atlantic, Iowa. 50022

CHAMBER OF COMMERCE
323 Chestnut St. Atlantic, Iowa. 50022

99 SOIL CONSERVATION DISTRICTS

John Culver Washington, D. C.

VOL. 16 — NO. 12

ATLANTIC, IOWA

FEBRUARY 28, 1976 ISSUE

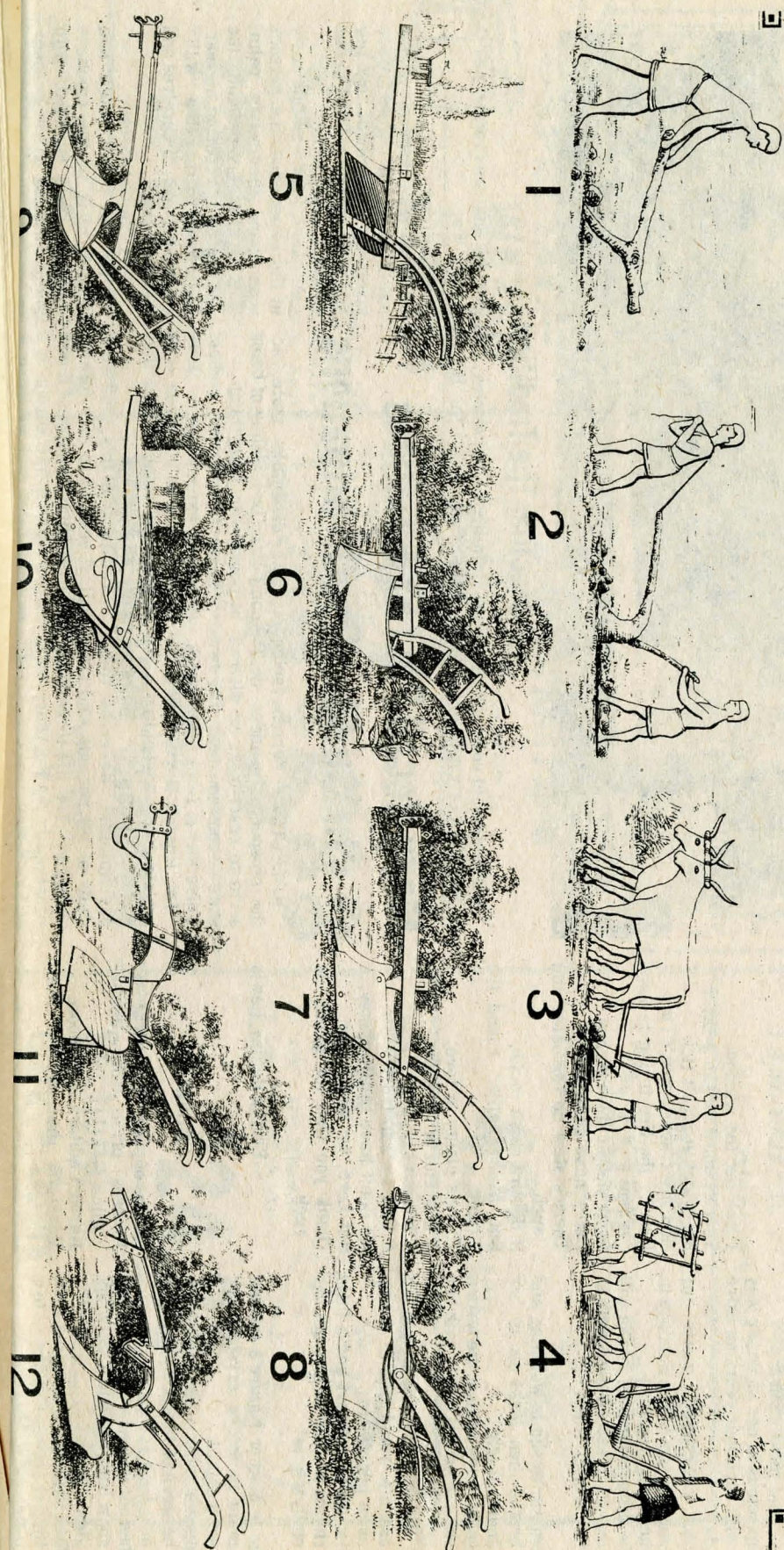
FARM MONTHLY

ATLANTIC NEWS-TELEGRAPH

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Looking Back At The Way To Plow A Field



1974 Annual Reports

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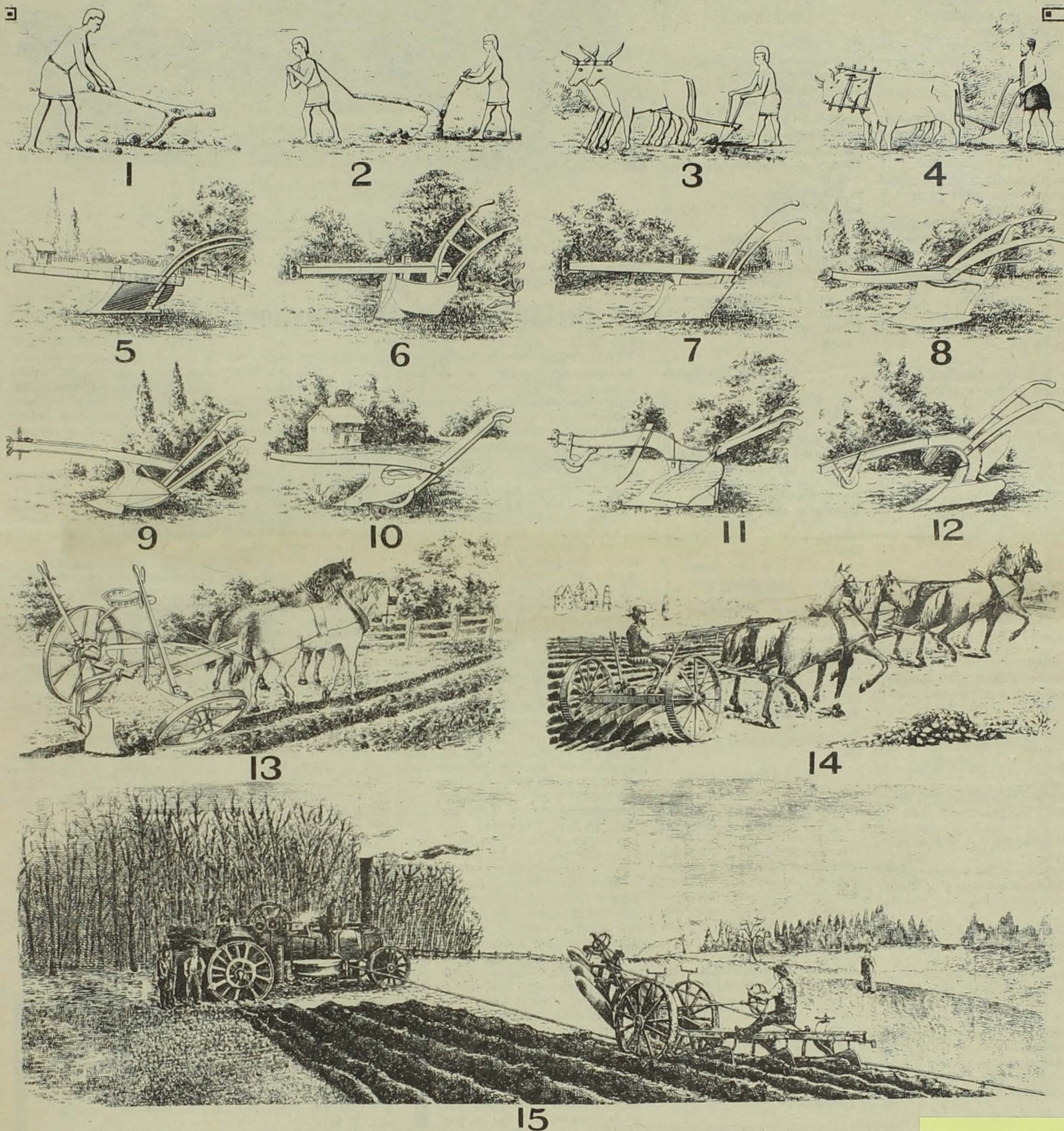
Atlantic, Iowa

VOL. 16 — NO. 12

ATLANTIC, IOWA

FEBRUARY 28, 1976 ISSUE

Looking Back At The Way To Plow A Field



The Farm Monthly is reproducing a page from a book, "The Growth of Industrial Art," published in 1888. It was printed by the government under the supervision of Benjamin Butterworth, who was commissioner of patents and a representative of the Department of the Interior on the United States Government Board in three expositions. This page was devoted to plows. Pictures one through three are primitive Egyptian plows, No. 4 is an Assyrian plow, No. 5 is a cast iron plow of 1797, No. 6 is a steel and wrought iron plow of 1808, No. 7 is an adjustable point of 1819, No. 8 is a side hill of 1931, No. 9 is a Colter attachment of 1834, No. 10 is a rolling land slide of 1843, No. 11 is a swivel attachment of 1870, No. 12 is a jointer attachment of 1884, No. 13 is a wheel plow of 1884, No. 14 is a gang plow of 1884 and No. 15 is a steam plow of 1884. The book noted that there were 1,943 manufactures of agricultural implements in the United States in 1880 and 1,326,123 plows were made that year. A total of 6,686 patents had been granted on plows in the U.S. up to that time.

32 pages

Scan both for the 1925
year.

ATLANTIC NEWS-TELEGRAPH FARM MONTHLY

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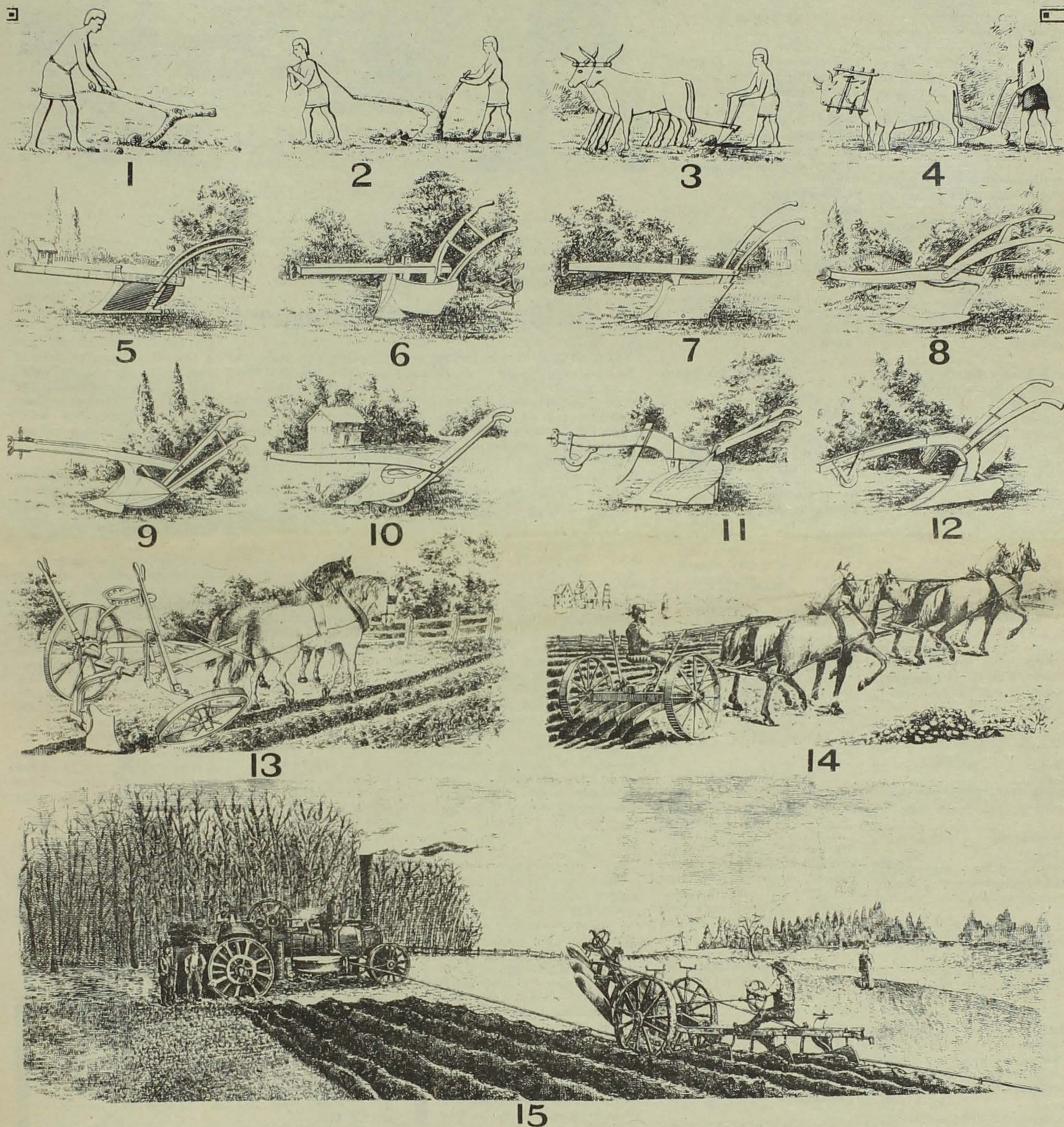
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Poets Corner

SORROW

I hear the sobs of Rachael
As they echo through the years
And taste upon my trembling
lips
The salt of Rachael's tears.

—Anonymous

'PRELUDE TO SPRING'

As one of twelve — named
February she is the shortest
— and most contrary!
Capricious in her calendar way
with each four years an extra
day.
Long years she waits for
dubious fame, five Sundays in
her time to gain.
The little groundhog — she will
expose to extend the length of
her winter woes.

Sometimes she is warming and
bright then locks us in her
snowy might!
Swollen buds against the leaden
sky are held at bay — with her
icy sigh.
At times a frigid jade and we
assume would like to drown
us in her gloom;
Then gives us heart and a little
rhyme to ease us through her
chilly clime!

She is Mother Nature's teasing
maid in frozen crystals her
work inlaid.
Unpredictable — she is — the in
between of winter's end and a
new born scene.
Then she is done — and ends her
show bathing all in a warming
glow.
When she is gone — with a final
fling she opens the door — to a
welcome spring!

—M.E. Wright, Atlantic

LONG AGO

I remember my birthplace
home,
A half a block in which to
roam.
I had a little old red wagon,
And the bottom was partly
saggin'.

Two brothers with a cycle
bound,
Hauled me and wagon all
around.
One day in wash water I upset,
And I got just planty wet.

I'd dress my cat with so much
pride,
And take it for a buggy ride.
I had a playhouse in a shed,
I sometimes slept here in a bed.

I had a lot of dolls and toys,
And I had never had playmate
boys.
Children lived quite far away,
There weren't any near to play.

I really grew up quite alone,
But I was sheltered in a happy
home.
I was my daddy's joy and pride,
I was always with him when
outside.

I often went with him to fish,
All these trips were sure delish.
Dad would sit and fish for hours,
I'd wade in water or pick some
flowers.

I remember the daffodils,
And the creek was full of rills.
I was told to stay awake,
Just in case I'd see a snake.

From maple trees dad drained
out sap,
I went along at every tap.
Mother taught me how to pray,
I said the Grace at meals each
day.
She taught me how to darn some
socks.

I had the measles and chicken
pox.
She rubbed goose grease on my
chest,
She always knew what was the
best.

These memories dwell in my
mind,
Of my parents who were so
kind.
Forty years they're gone to
Heaven's home,
I just keep my memories in this
poem.

—Mrs. Dalton Miller,
Hamlin

REMINISCE

I look out the window
There's snow on the ground.
My watch it won't tick
And my truck it won't run,
I sit by the fire trying to keep
warm.
Some people have riches
I only have charm.
There's stew on the table and
such
It doesn't seem much,
But, as we gather 'round the
table
There's plenty of love.
A houseful of sunshine,
A houseful of love,
A God we can trust.
We don't have much money,
But Lord, we have much.
Thank you God for giving us
such.

—Bertha Bagley, Lewis

MUSING

Reams of paper, barrels of ink!
Presses print what authors
think —
Harried editors will choose
Versions that reflect their
views.
Zealots write to light a flame,
Others write for cash or fame —
Lurid tale or theory solemn,
Pulitzer or gossip column.

Now I sit and contemplate
All those words that circulate —
When Time zeros, presses stop,
Manuscripts of fame or flop
God will weigh on scales divine,
Every scrap (including mine).
How many paragraphs will be
Worthy of Eternity?

—Jeannette Havick, Harlan

'POLLUTION PLIGHT'

Earth can be heaven — where
ever we dwell or careless
living — can make it a hell!
It is filled with beauty and much
delight and too often a sad and
miserable sight.
We must stop fouling the air —
water or land with the
careless creations of modern
man.

We could have a mountain of
discard blowing and growing
high in our yard.
Vermin and virus would have
their way medical science
could not hold it at bay!
No growth in this blight — no
fragrance of bloom the stench
of decay — would be our
perfume!

We are beginning to reap — the
harvest we sow with this
monstrous waste. No where to
throw!
Headaches and fears of the
pollution fight are a mighty
test for man kind's plight!
Let us discard greed — and use
wisdom and love and load it
with prayer — to the heaven
above!

—M.E. Wright, Atlantic

(Editor's Note — Poets please
send poems of around 30 lines or
less. Thank you.)



Protecting The Tradition

A Bicentennial color guard at Fort Hamilton Theodorica, a 24-pounder that was forged just
in New York City reenacts colonial artillery on after the Revolutionary War.

Many Recall Past Experiences
In 'Sudden Death' Situations

IOWA CITY — Persons facing
the prospect of sudden death
seem to react with an altered
state of consciousness, say two
University of Iowa researchers.

Dr. Russell Noyes, associate
professor of psychiatry, and
Roy Kletti, clinical
psychologist, describe their
study of 104 persons who have
undergone 114 life-threatening
situations in the February issue
of *Psychiatry*.

The authors note that the
most frequently reported
phenomenon was a slowing of
"external time" — events
seemed to happen in "slow
motion." Time was drawn out
for the participants.

Simultaneously, they write,
thought processes raced, and,
for a few, pictures from the past
appeared so quickly and vividly
to the threatened person that
there was almost a re-
experiencing of the events
depicted. Another feeling ex-
perienced by many was a sense
of detachment from the life-
threatening events, a feeling of
"standing off to the side, ob-
serving." Feelings of
"strangeness" and "unreality"
were common.

Average Age

There were 70 men and 34
women in the study. Average
age was 24 years at the time of
the nearly fatal incident.
Almost half the situations in-
volved falls during mountain
climbing. Other incidents in-
cluding drownings, automobile
accidents, battlefield ex-
periences, cardiac arrests and
severe allergic reactions.

The authors recount the
reaction of a race driver whose
car was going more than 100
miles an hour when an accident
happened. The car flipped over
several times, finally landing
upright.

"It seemed like the whole
thing took forever. Everything
was in slow motion and it
seemed to me like I was a
player on a stage and could see
myself tumbling over and over
in the car. It was as though I sat
in the stands and saw it all
happening."

A young woman who had
swerved to avoid an on-coming
car found herself with her car
out of control heading for a
concrete abutment. She
believed she was about to die,
she said, and "despite the
horror of the situation, I entered

a calm dreamlike state, ac-
companied by a feeling of being
at peace with everything.

"Then I saw an endless
stream of experiences — there
must have been hundreds — go
through my mind ... and they
were all pleasant.

"During all of this, time stood
still. It seemed to take forever
for everything to happen. It was
all very much like sitting in a
movie theater and watching it
happen on the screen."

Shot In Chest

A young man who ac-
cidentally shot himself in the
chest, recounted the vividness
with which memory sometimes
comes to the fore.

"Then the room filled with
people who weren't actually
there, including my girl friend,
a cousin and my grandmother.
They all appeared as they
normally would but none
seemed to notice me. My at-
tention became riveted on
memories of my early life ...
(The memories) began when I
was about three and continued
up to the present ... I was with
my father under a bridge when
we caught a prize paddlefish. I
saw myself with friends. The
memories were pleasant but
made me sad realizing that this
was the life I was leaving."

The authors point out that the
individuals often expressed
amazement at the number of
memories that passed through
their minds in only a few
seconds, and at the slowing of

external time.

"These two aspects of the
experience of time were
generally described together
and were clearly related to one
another," they write.

Although fear was felt early
in the experience, the persons
soon found themselves calm.
Half of those completing the
questionnaire reported no fear.
A third felt as though a "wall"
existed between themselves and
their emotions.

Initial Shock

After the initial shock had
passed, most of the emotions
reported were subdued, with
many persons finding them-
selves calm and peaceful.

"In fact, many described
their emotional state as
pleasurable and 23 per cent
even acknowledged joy," the
authors write.

An older man, describing his
feelings during a near drowning
50 years earlier, explained,
"Once I realized I could not
rescue myself, an in-
describable feeling of calmness
and serenity came over me that
I have often wished desperately
to experience again."

However, when the person
was still hopeful that he or she
could survive, attention was
narrowed to those actions that
gave hope of rescue.

The authors conclude: "... we
may take comfort from the fact
that, suddenly confronted by
death, we might find within
ourselves the resources for
coping with the frightful
prospect. In such an urgent
moment strength might be
found for effecting our rescue,
but, failing in that, to face life's
end with serenity, even ac-
ceptance."

ATLANTIC TRAVEL FUN TOURS

BICENTENNIAL DELUXE MOTORCOACH TOUR:
Washington, D.C., Williamsburg, Colonial Virginia,
Skyline Drive, May 15, 5 hotels. \$296.

SPRINGTIME COLONIAL AZALEA TRAIL: March
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Mobile, \$350.

PICTURESQUE MACKINAC ISLAND: Soo Locks,
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PACIFIC NORTHWEST: Banff, Victoria, 16 days.

OZARKS & GRAND OLE OPRY: June 14.

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COLORADO ROCKIES: Mesa Verde, Silverton,
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HAWAII: March 26, escorted, 10 days, 4 main isles,
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HAWAII: One week, \$329, Waikiki hotel, air fare.

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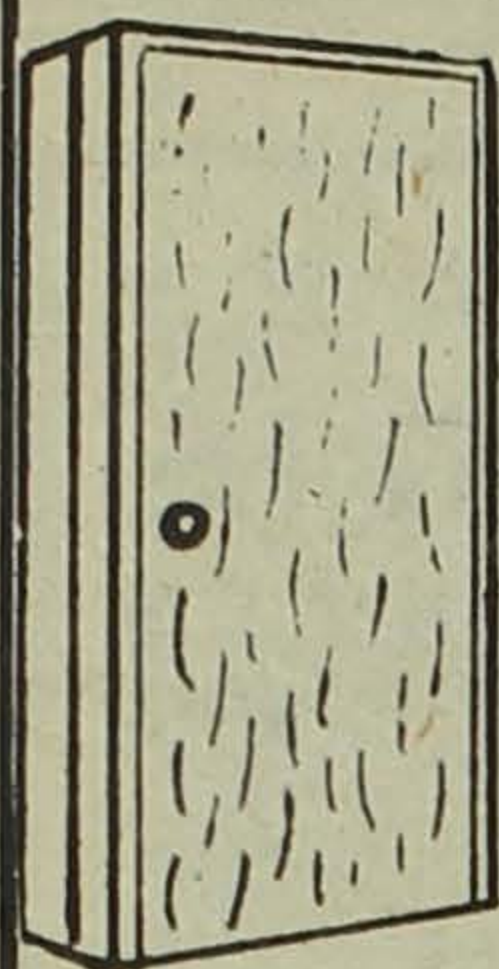
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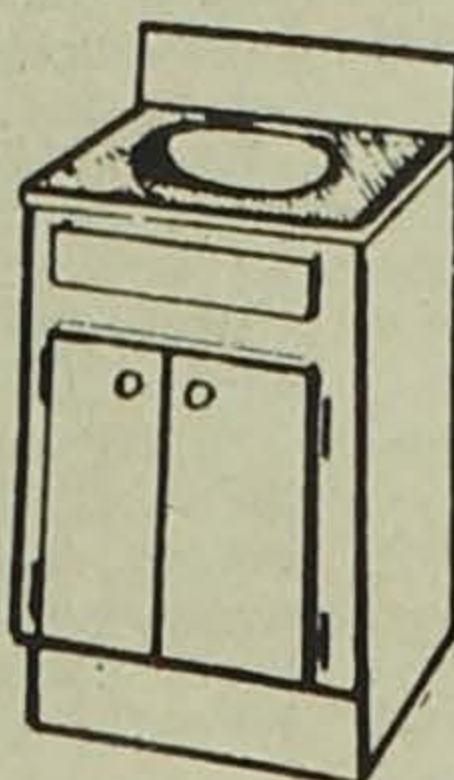
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White Cabinet - Gold Trim

\$28.88

Cabinet 19" x 16", includes Cultured Marble Top with Built-in Bowl, Less fixtures.

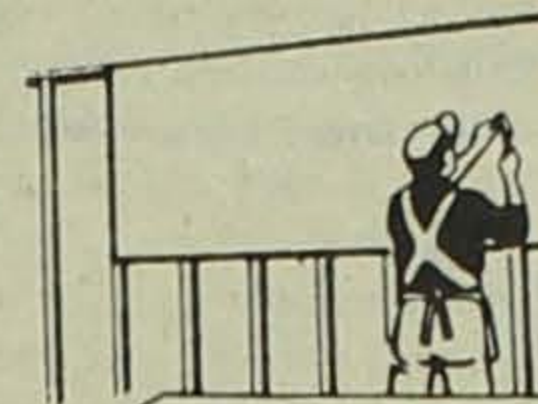


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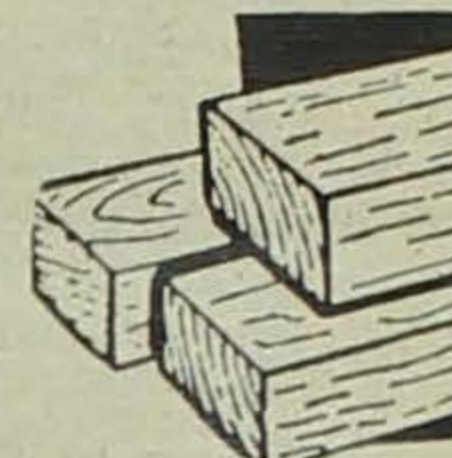


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- Self storing
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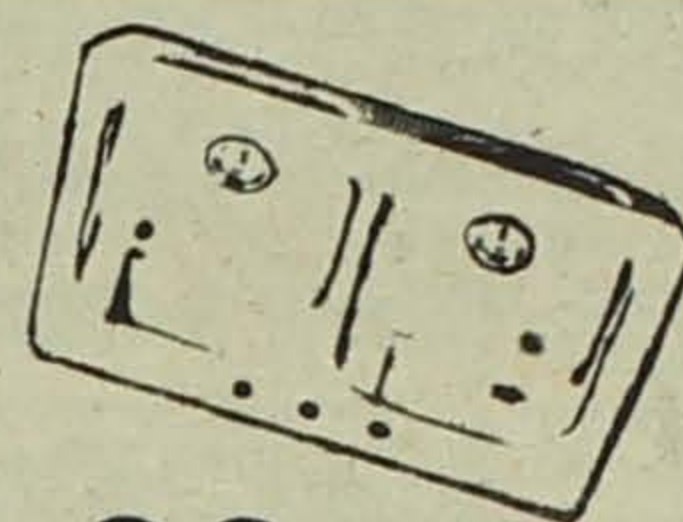
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9'x7'

Wood

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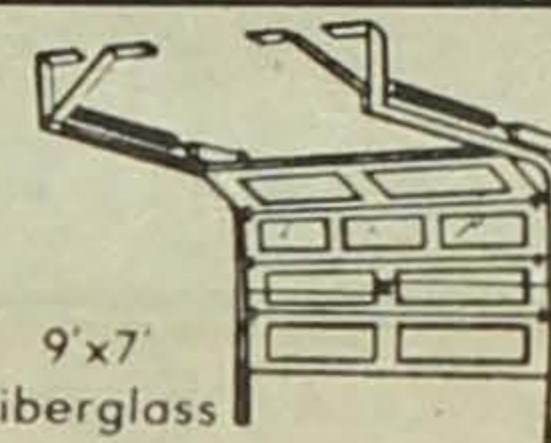
8'x7'-9"x6'-9"x8'-10'x8'-16'x7' also in stock.

9'x7'

Fiberglass

\$109.99

8'x7'-16'x7' also in stock.



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Remote control with 1 transmitter

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Easy-to-install Z-Brick can make your ordinary wall your accent wall. Use it anywhere you'd use old, heavy brick. Many styles and colors. Not a plastic, plaster or pretend. Permanent. Completely fireproof and weatherproof. Use indoors and outdoors. No special tools or skills needed.

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10 different panels in stock. Priced from 16¢ Sq. Ft. to 28¢ Sq. Ft. ASK FOR FREE ESTIMATES

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Lest We Forget

BY MRS. DAISY CANNON OF BRAYTON

Recreation And Entertainment

A little brook was about the greatest play-time friend that could be acquired. About the time we were old enough to discover our little brook, a private road was laid out across a field, and a bridge was built across the brook. This gave us easy access to the other side of the creek and doubled our opportunities. We played there more during vacation time in summer, but every school day we needed to walk across the small bridge. We seldom came to the bridge on the home trek without stopping to cast a few pebbles, to note how low or high was the water level or to plan some Saturday project. It was very exciting to find the brook dashing along almost brimful, following a heavy spring rain, but often there was only a mere trickle, always cold. Up its course it wandered through a meadow and we figured one or more springs must keep it replenished.

People of the neighborhood referred to it as Plum Creek. This, we decided as we appropriated the ownership, was not at all a suitable name for our little friend. As we, with permission, extended our explorations farther and farther, we discovered the brook headed in the east end of our playmate's father's field, flowed through our grandfather's land and on through our fields and meadow for a long stretch. This surely gave us possession rights, and we held several meetings to decide on a new name. Such a special little brook friend should have a special name. When our parents overheard us considering the name of Jordan River, they all shook their heads in dissent, remarking that such a term might indicate to others a

sacreligious use of Bible names. That frightened us and we knew we must change our decision at once. So we saw no harm in settling on "Borden" River. So over the years that we played there it was the Borden River.

During the years of our companionship with the Borden Brook, we located near its head a wild grape vine clinging to a small tree, and discovered if some of the grape bunches, which were pretty sour for eating fresh in season, were left on the vine until after a hard frost, became very sweet and much more tasty. Near this grape tree the brook spread a fine little pond, we called it a lake, which developed into a fine skating rink in midwinter. Farther west where the Borden lay cradled in the grassy meadow, lovely wild flowers could be gathered in late spring.

A pair of large owls were found nesting in a tree at the far end of the meadow. Only one attempt was made by my brother to climb up the tree to get a look at close range, when we could see baby owls peer over the edge of the nest. The sudden vicious defense the parent owls put up sent my brother post haste back down the tree, we all ran as fast as we could to the other end of the meadow, and had no further desire to investigate the living habits of owls.

In time we discovered a little island and a well defined peninsula along the Borden which we named. We were thrilled the day we discovered a real water plant with arrow shaped leaves, budded to blossom.

On a miniature beach we tested the yellowish soil and found an excellent grade of clay, just right for molding. At once we established a soap factory, molded soap shaped bars, and piled them in wholesale quantity. It failed. No

customers. We tried in vain to convince our elders it really did take the dirt off and whiten the skin. From this same deposit the boys began to make marbles, dozens of them. Quietly borrowing pans from the cabinet, marbles would be spread to dry and slipped into the oven for slow baking. Mother grew tired of often having to remove pans of baking marbles from the oven before she could slip in a pan of biscuits. Dad brought sacks of marbles on his next trip to town and the provocation ceased.

There were many rippling pools along the Borden's course and we waded to our heart's content. We yearned for no swimming pools. Years, long years later, when the children really began to grow up, the brothers joined other school boys and learned to swim in the "ole swimmin' hole" in the big river. The girls didn't swim.

SEEK HOST FAMILIES FOR FARM TRAINEES

The National 4-H Foundation is seeking host families for young agriculturalists from Poland who will come to the United States this spring under the Polish Agricultural Training Program.

One hundred Polish trainees are currently undergoing pre-departure training in Poland. They will be assigned to farms in the U.S. for 12 months of on-the-job training. Each will specialize in dairy, beef, swine, poultry or fruit-vegetable production, and a few will be assigned in agri-business.

The objectives of the program are to provide an opportunity for the participants to experience the practical application of agricultural technology and to contribute to cross-cultural understanding between the people of Poland and the United States.

The trainees are assigned to

host farmers under a written agreement stipulating conditions of employment. Most trainees reside with their host families, but some are provided separate living quarters on or near their host farm.

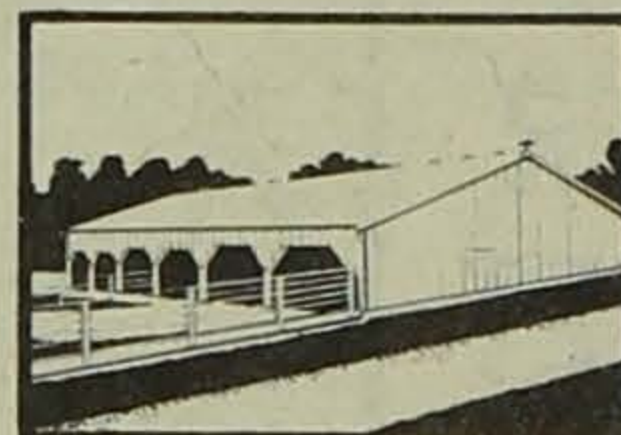
Anyone interested in hosting a Polish trainee should contact Kitty Williams, Cass County Extension, 1205 Sunnyside Lane.

INDIVIDUAL ANNUITIES

One of the most popular forms of protection against outliving one's financial resources is the individual annuity.

Between the start of 1965 and 1975, the Institute of Life Insurance reports, the number of individual annuities in force with U.S. life insurance companies has more than doubled, increasing from 1.1 million to 2.3 million.

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This is not a get rich quick gimmick. We don't believe there is such a thing. Neither is it something for nothing. This just doesn't exist either. But it is a very sensible and pleasant way of gaining a few dollars each and every week...enough for a night out occasionally or for that vacation you've dreamed about but never thought you could afford. This much we guarantee: Every Day Dollar Schemes has taken us years to learn. Much of it has cost us a great deal of cash. But no one has to pay the price in time and money that we have.

We will ask you to send \$1.50 plus 50c postage and handling charges for the booklet, Every Day Dollar Schemes. Study it for 30 days and if not completely satisfied, simply send it back for your full \$2.00 refund. All that you can possibly lose is a few cents postage, about the price of one candy bar. We sincerely believe that there is no way to gain so much with so little risk of effort.

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Max and Pauline, I don't believe you can possibly be telling it like it is, but just in case you are, here is my \$2.00 for each copy of Every Day Dollar Schemes. It is my understanding that after reading it for 30 days I may return it for my full \$2.00 refund if I am not satisfied.

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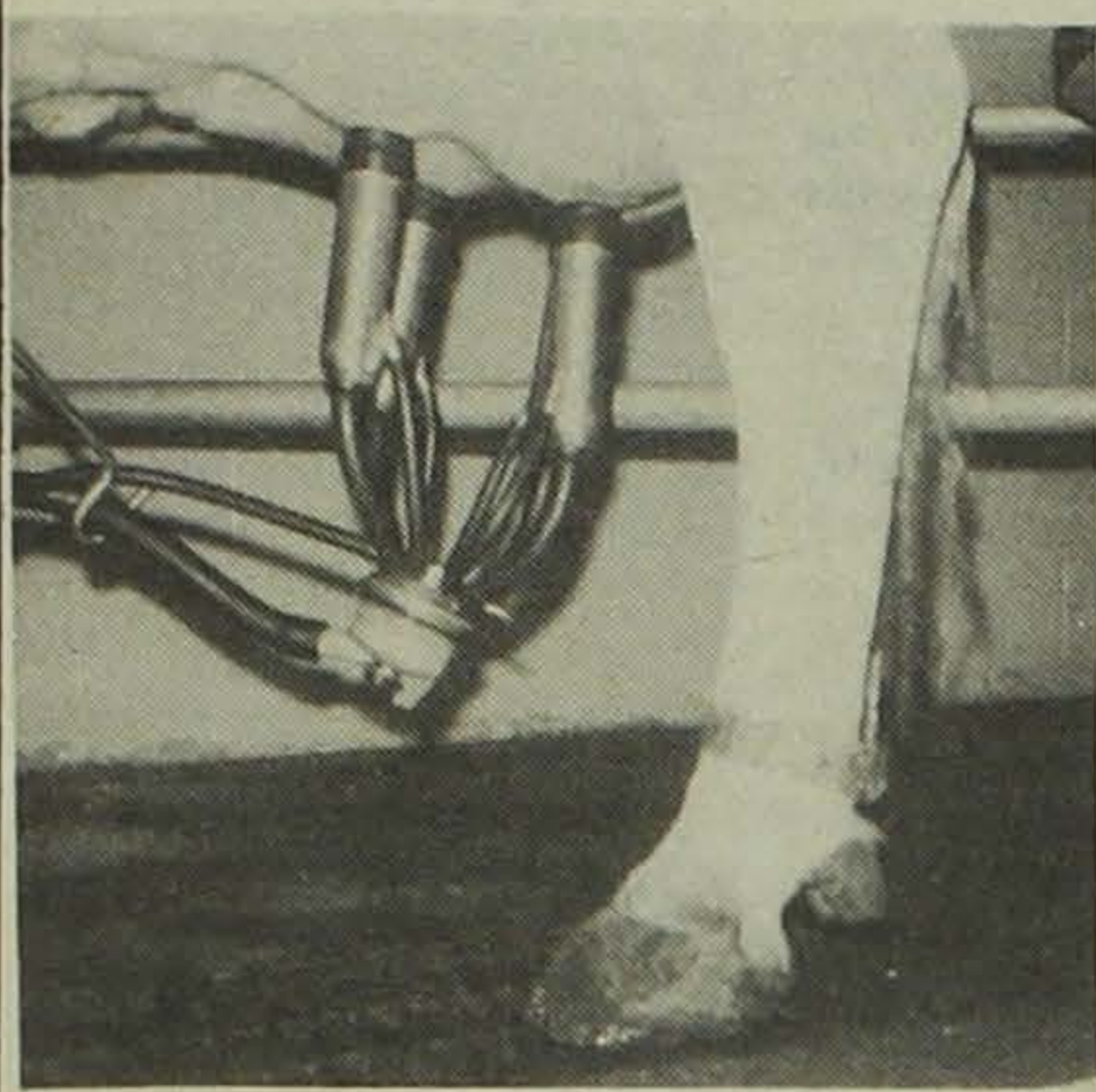
You'll find everything at Rex Pharmacy to help make home-care of invalids and the sick easier.



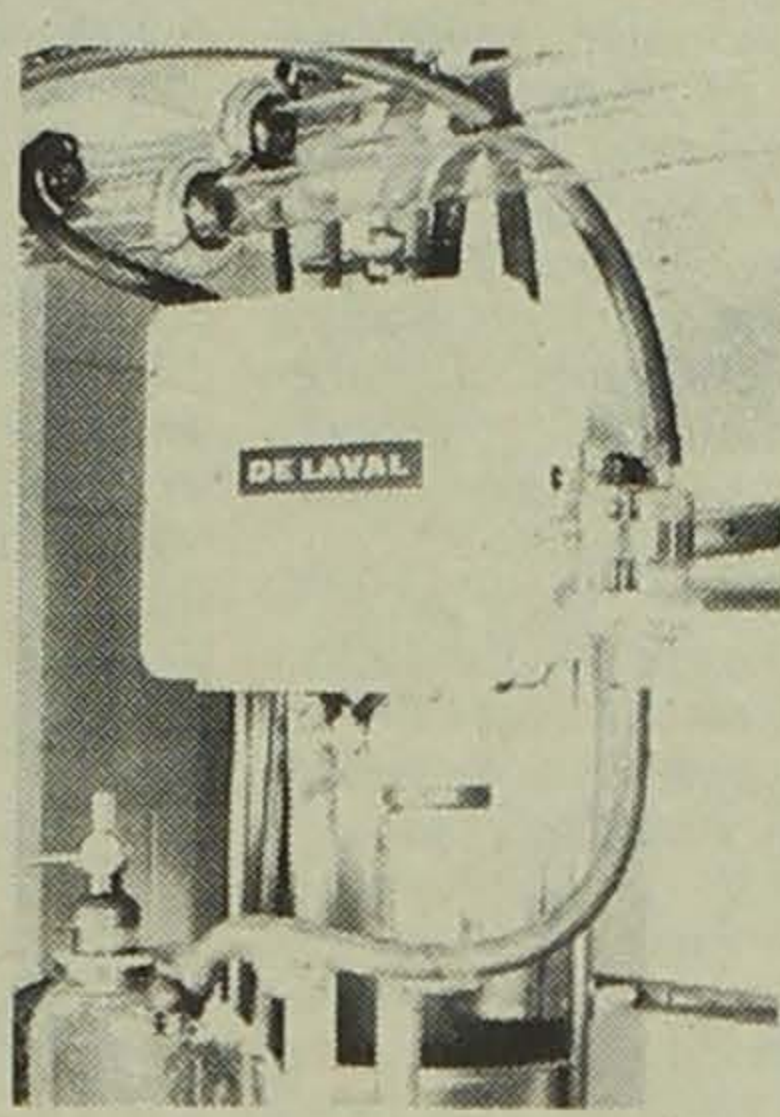
MIDWEST DAIRY SALES De LAVAL DAIRY EQUIPMENT

We Can Provide For Your Dairy Needs

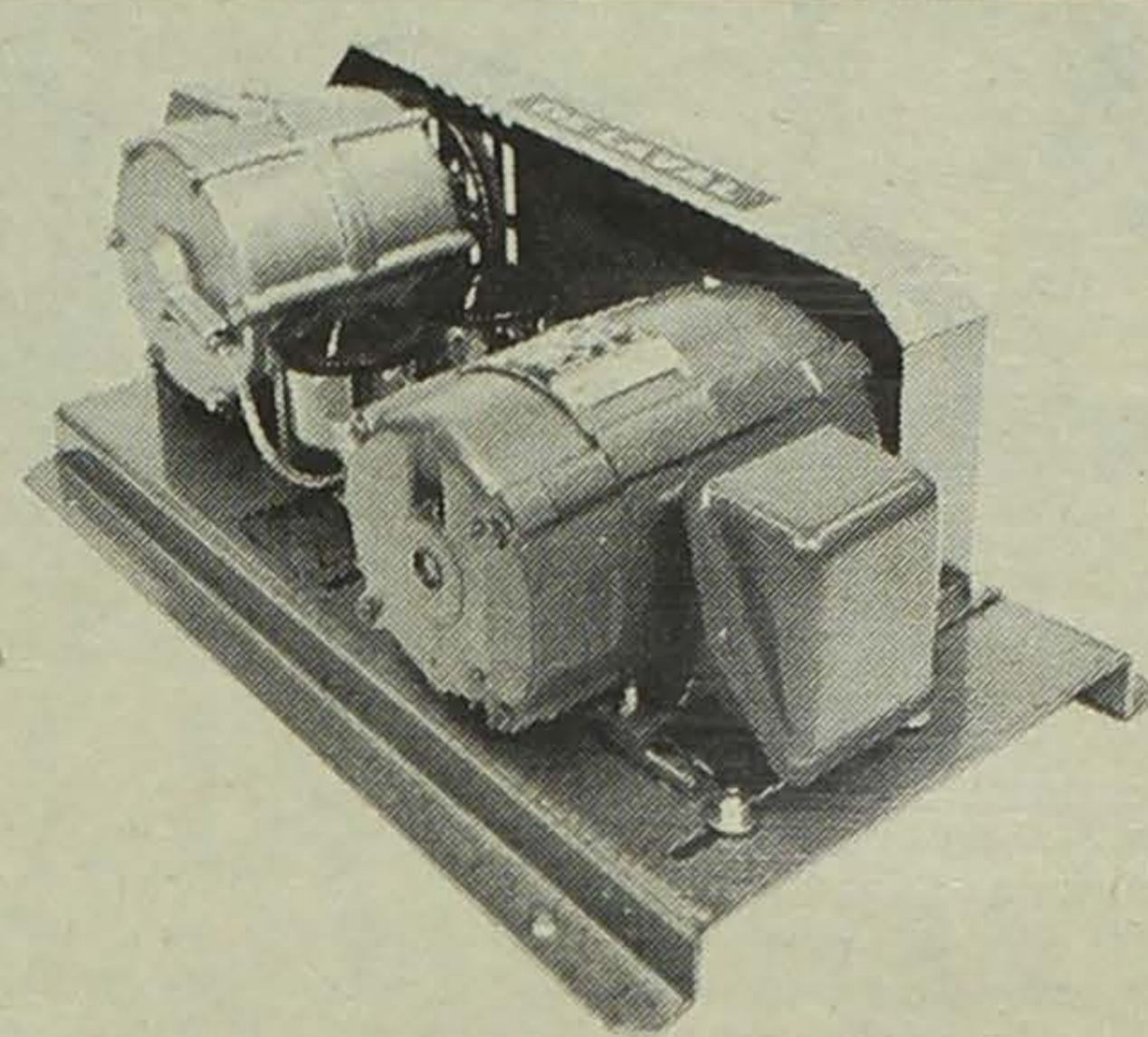
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DeLaval soft touch combine coaxes out more milk 25 per cent faster than other milkers yank it out.



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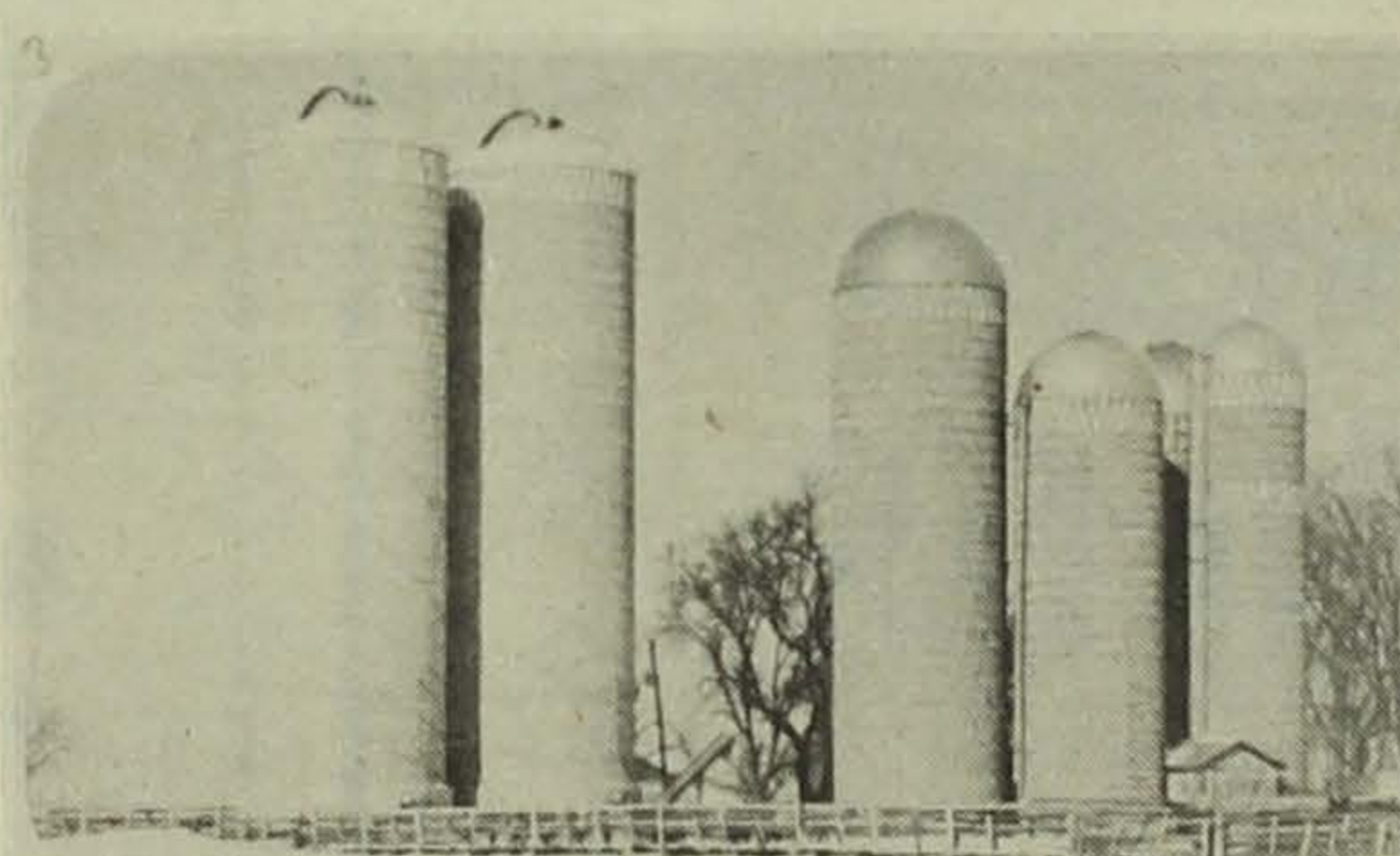
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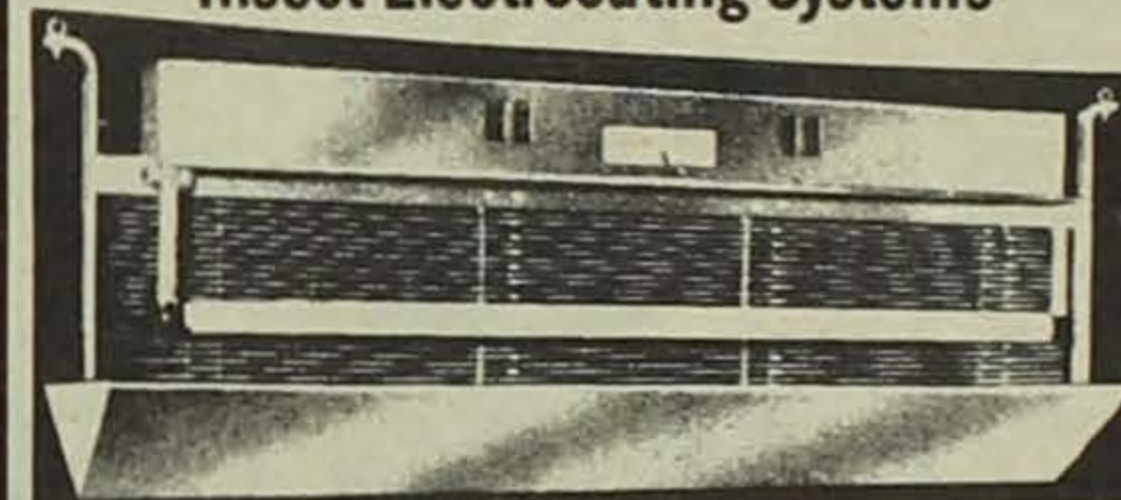
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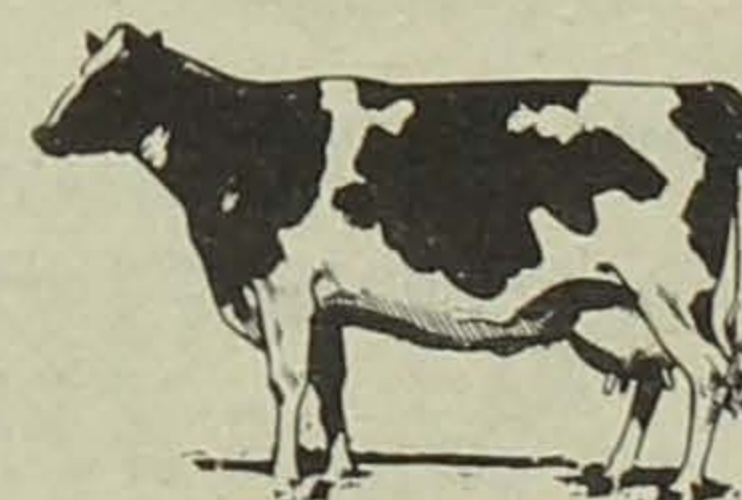
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Wiota Park Shines Even On Cloudy Winter Days



Boys at play in the Wiota City Park.

Centennials have abounded in Southwest Iowa over the last few years and for each the people in the towns and the rural areas around the towns have joined time and money for the betterment of their community.

At Wiota the working together continued after the centennial celebration ended. Money from centennial projects was used for material and labor for a tennis court at the city park which was completed early in 1975.

Once the concrete was poured, people pitched in with

more material and time to complete the project.

Eventually, said Mayor Mervin Taylor, we might put some kind of a covering over it.

The park serves the Wiota community of 174 all year long.

Years ago there were buildings on the site of the park which is located in the business area. Now a slide, swings for older and younger children, picnic tables, benches, and an area just for running entice the 70 or so children in the community on sunny days, rainy days and even snowy days.

CLUB BENEFITS FROM OLD COINS

A meticulous former teacher in Carleton Place, Ontario, who headed a boys' club there 40 years ago, came across the club's treasury among his mementos recently.

Club dues in depression-ravaged 1935 were two cents a month, and most had been paid in the old Victoria Large cents which still circulated freely then. They amounted to 94 cents.

The teacher had the coins appraised by coin dealer and found that their numismatic

value now amounted to \$5.39, then calculated an escalating interest rate, and determined the 94 cents would have earned \$6.62, if deposited in a bank.

Determining to close the books on this account, he added the numismatic value plus the interest to the original amount; drove from his home in London, Ont., to Carleton Place, and turned over \$12.01 to the present leader of the group.

It's ability, not disability, that counts. Hire the handicapped.

Covered Wagon Story

By Mrs. Daisy Cannon
of Brayton

Chapter Nine

Recalling the trip in more recent years, I have been unable to exactly locate the place of one interesting episode, or to get information about it, but it stands out clearly in my memory.

As we traveled southwestward we crossed only the very tip of southeastern Nebraska, thus we were soon in Kansas, so it must have been somewhere in the northeast quarter of Kansas that we came upon a rather peculiar formation, a mound, perhaps. Are there Indian mounds in Kansas?

I have never been able to exactly relocate the formation, though I wish I might. One day near noon as the men looked for a suitable camping place to have dinner, as they turned toward the spot, we all noticed ahead a strange looking mound or hill. We could see just the top of it, and it didn't look like a natural formation.

The men took care of the horses, made a good campfire, brought fresh water; then while the mothers prepared dinner, the men with us older children, went to explore the strange object.

It looked for all the world as though a giant fist had thrust a large chunk of terra firma up into the air and let it come to rest in this queer position above ground. We walked all around it and found that the sides were perpendicular, with no growths of any kind covering its rough sides.

From a distance we could see there was a good covering of grass and low weeds on top, but no trees. The back low side was about seven or eight feet high, sloping upward to a 10 or 12-foot front. My father, being tall, managed to get a foot hold in a crevice on the low side, reaching up, grasp the tough lower stem of a scraggly sprout that was trying in vain to become a tree; and using all his

strength, his feet finding more crevices, managed to pull himself up.

Taking a moment to get his breath he looked about the top of the mound, decided it looked safe, then asked my uncle to lift up each child. Lying flat, taking our hands in his, he easily drew us up over the edge and ordered us to stay right there; while with much effort and some laughter, he managed to help my uncle up onto the "roof."

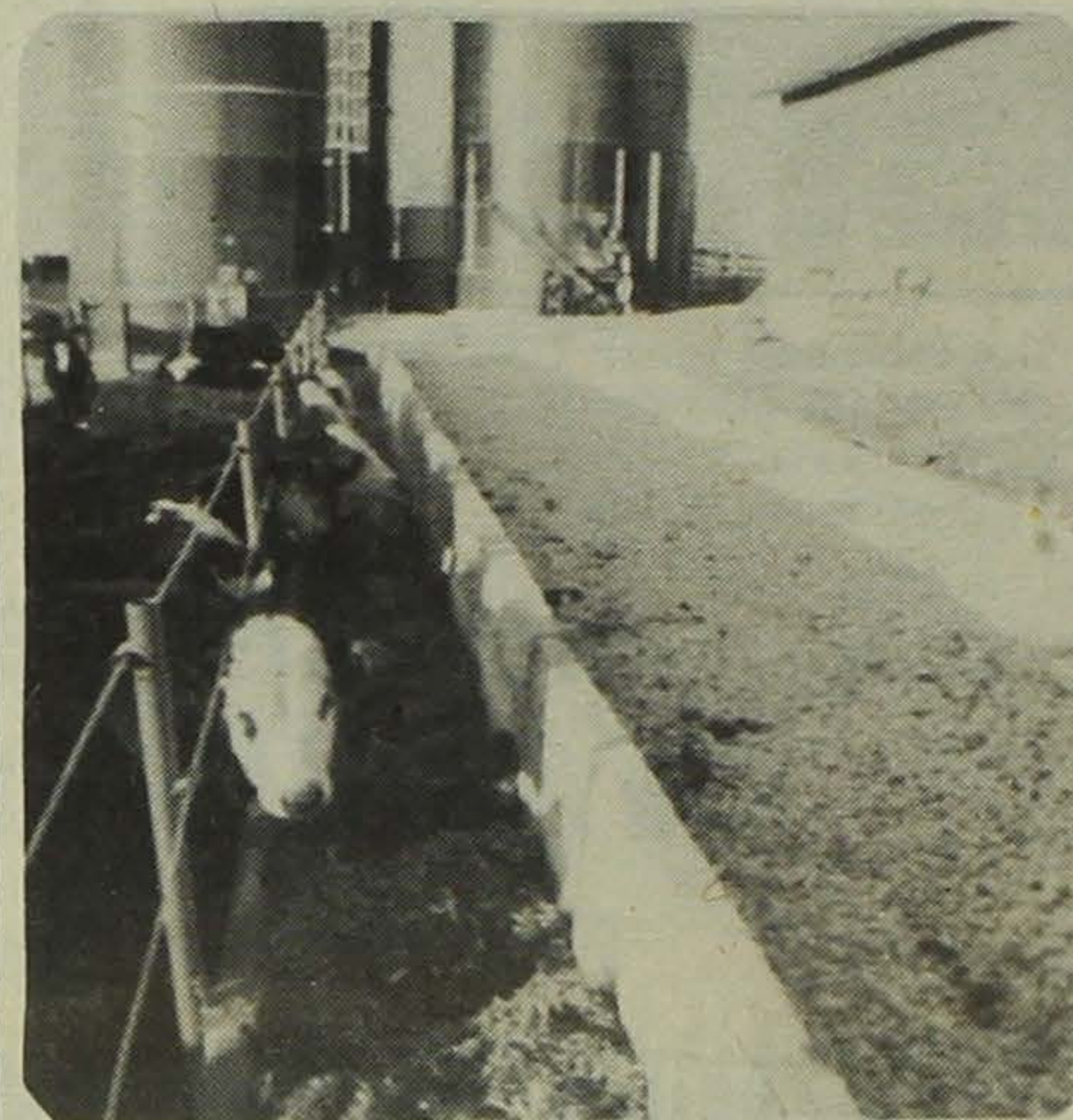
It seemed quite a long way as we traversed the mound top, but we went slowly, carefully, testing our footing. We saw something at the very edge of the high side and went to in-

vestigate. It proved to be the bleached skeleton of a horse, complete from skull to hoofs.

No telling how long it had lain there in its isolated resting place. Small tufts of white horse hair lay in sheltered places near the skull. That was all there was to see except a low even growth of grass and a few weeds. The men were much puzzled and wondered how and why the horse ever got in a place like that.

We returned to the lower side and found it easier to get down than to climb up. Thoughtfully we returned to camp, but the mound has always remained a mystery. We met no natives who might give information and soon forgot the strange mound.

As a last desperate expedient in the oil crisis, Americans may have to limit their consumption to double that of the rest of the world.



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In Atlantic



An Eyedropper And Newspapers Essential For Puppies' Care



Mrs. Merlyn Andersen is shown soothing Candy, the cocker spaniel mother of the pups by Mrs. Andersen's knees.

Newspapers in the entryway, an eyedropper in a tiny mouth hourly and a puppy in the oven were just a few of the inconveniences Mrs. Merlyn Andersen of Marne dealt with recently in her home.

She and her husband began M and M Kennels about a year ago. At one time they had 10 adult dogs, plus puppies. When a female gives birth, she and the puppies require day and night attention in addition to the constant chores of cleaning and sterilizing kennels, giving shots, feeding and watering the animals.

When a litter arrives on a cold day they need particular attention. An example was Candy, one of five cocker spaniels. She gave birth to 10 puppies, eight of which showed every intention to live, providing the tiniest received special care.

Brooder Light

Because of the cool temperatures in the kennels, Mrs. Andersen spread thick layers of newspapers on an entryway floor, forbade use of the back door, blocked the door to the kitchen and kept mother and pups under her watchful eye and a brooder light for extra warmth.

The littlest had to be fed by eyedropper with a commercial supplement each hour as it was unable to nurse and when the ability commenced, the supplement feedings had to be continued because of the pup's size. Besides extra food, it was placed on a towel in the oven where a pilot light gave continual warmth.

15 Pups

Things were even more inconvenient; however, when Belle, an Irish setter, had 15 puppies in her first litter.

Mrs. Andersen was up five nights in a row, switching seven nursing puppies for seven non-nursing puppies every hour. The smallest stayed with its mother continuously in hopes it would get more milk.

Still, Belle didn't have enough milk for so many hungry pups and the Andersens were bottle feeding 15 puppies for a time. Mother's milk, with its special immunities, became the supplement to the bottle.

When the pups were later taken to an Audubon dealer, he commented that he hadn't seen such a fine Irish setter litter.

The delights and chores of a kennel began five years ago for the Andersens, although they didn't know it then. Mr. and Mrs. Andersen bought a cocker puppy named Penny as a Christmas gift for their daughter, Merchon. Penny's first litter numbered nine and all lived with little or no difficulty. This led the Andersens to consider saving two females to start a small business.

Penny, the two pups, and Mr. Andersen's hunting dog were soon joined by an Irish setter on shares and later Belle for half of her first litter. Mrs. Andersen had always wanted a Schnauzer, so when friends from Atlantic offered one, they took it.

With puppies coming and others who knew they liked and had space and facilities for dogs, the kennel grew.

"It boomeranged on us," Mrs. Andersen said.

Three Kennels

The Andersens have three insulated kennels with concrete runs that meet state and federal codes and are inspected regularly. Each dog is American Kennel Club registered.

Originally, one of the three kennels was to be for litters, but now, "we shift when puppies come and if its too cold, we put them in the house."

Mrs. Andersen said they didn't want any more dogs unless they were to rid themselves of a cocker or two and added a particular interest in the Wheaton terrier, a breed just recognized by the AKC.

CATTLE REPORT

Iowa farmers had 1,560,000 cattle on feed for slaughter as of Feb. 1.

This was up 25 per cent from a year earlier, and two per cent above last month. Placements on feed during January totaled 272,000 head, down 14 per cent from January 1975. Grain fed marketings totaled 230,000 head in January, eight per cent below a year earlier.

Cattle and calves on feed Feb. 1 for slaughter market in the seven states preparing monthly estimates totaled 8,353,000 head, up 38 per cent from last year's unusually low number, but down 13 per cent from 1974.

PSEUDO RABIES DISEASE ON UPSWING

DES MOINES, Iowa (AP) — Iowa Secretary of Agriculture Robert Lounsberry has expressed concern over the increasing threat of pseudo rabies, a fatal disease that is particularly dangerous to young pigs.

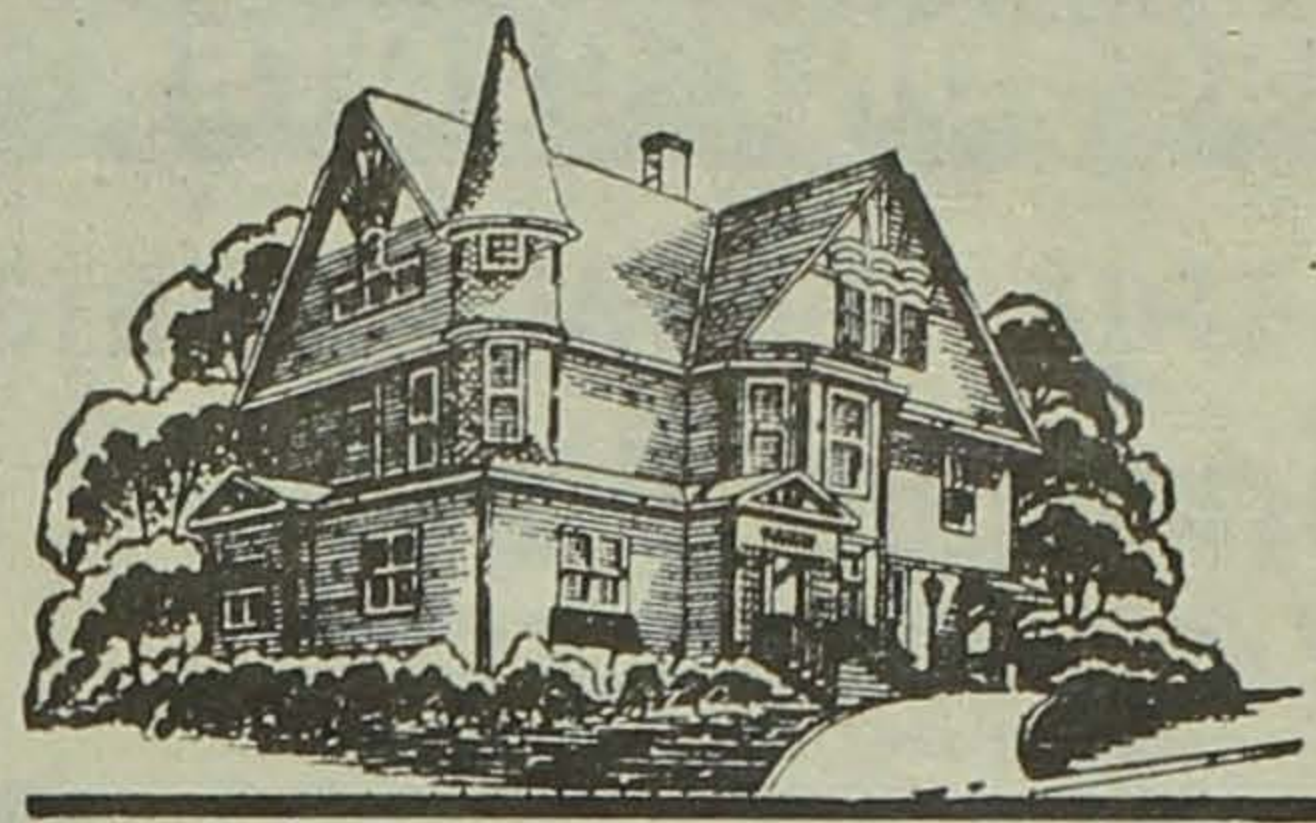
"It's not dangerous to humans but is almost always fatal to pigs under two weeks of age," said Lounsberry. "Once it breaks out on a farm, it can practically bankrupt a hog farmer and can be fatal to cattle contracting the disease."

There is no known cure for the disease, which, like rabies, attacks the nervous system.

State Veterinarian E.A. Butler said pseudo rabies "has been around for a while, but we're concerned about its recent, rapid increase."

Butler said between 1969-1974

there were five confirmed cases. In 1974 there were 28 cases and in 1975 48 cases. Thirty cases have been confirmed so far this year. Lounsberry said outbreaks have been reported in northwest and north central Iowa.



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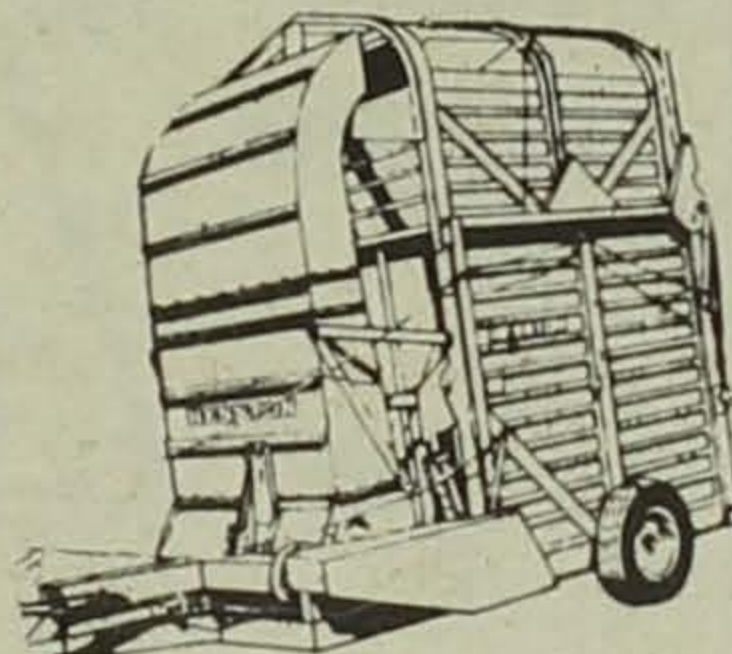
This coupon entitles _____ customer's name _____
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PT-10	Stackand 15A	Stackand 60A Tire
1810 Hydro Swing	Stackand 30	6250 Windrower
1814 Hydro Swing	Stackand 30	6400 Windrower Gas
5400 Rounder	1400 Manure Spreader	6400 Windrower Diesel
5600 Rounder	2000 Manure Spreader	6600 Windrower Gas
5800 Rounder	2000-100 Forage Harvester	6600 Windrower Diesel
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StackMover 15	StackMover 60A	
StackProcessor 10	StackMover 60A	
1210 Forage Harvester	24A Cotton Harvester	

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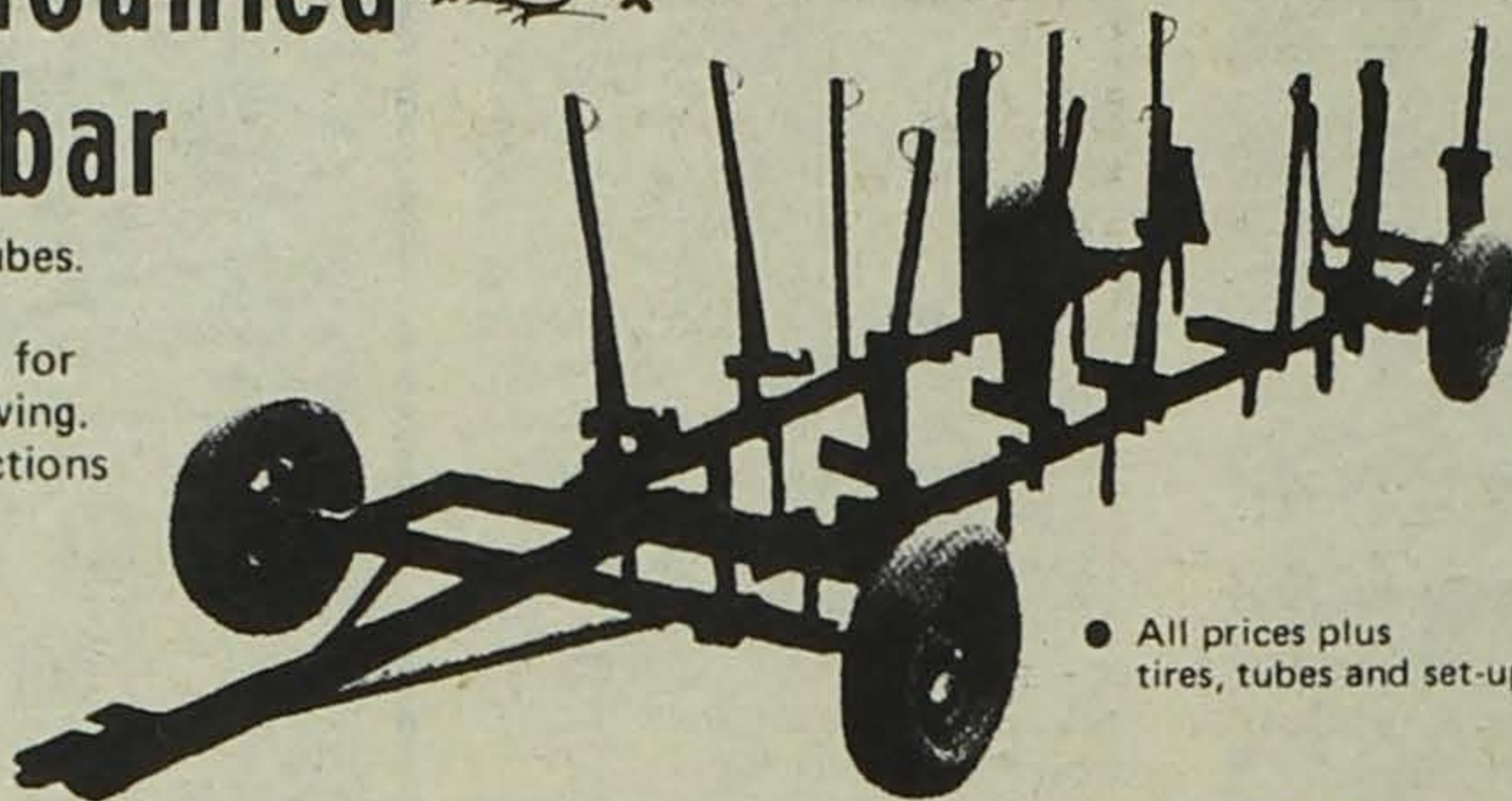
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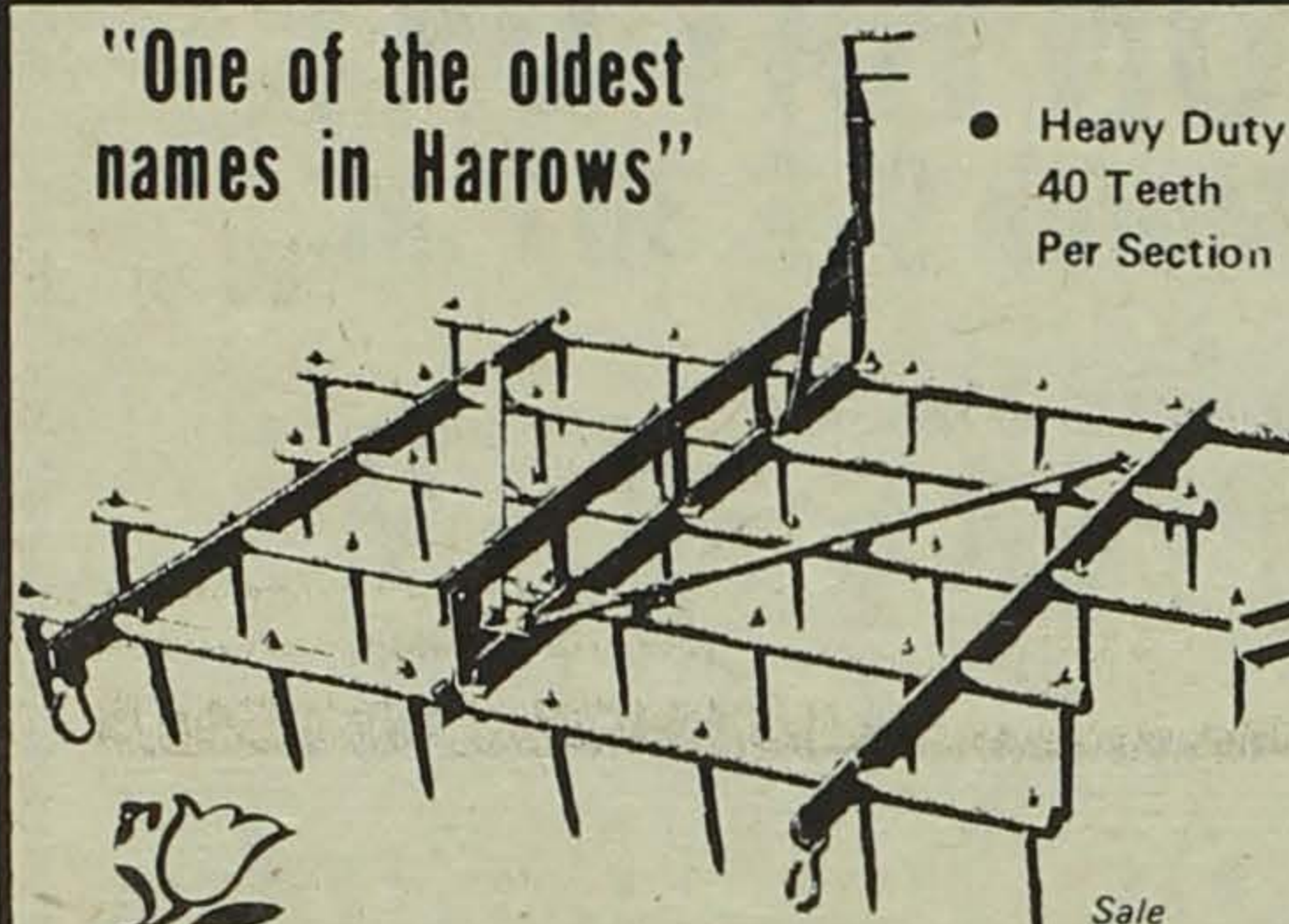
- 4-14" rims, sealed bearings, less tires and tubes.
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• All prices plus tires, tubes and set-up

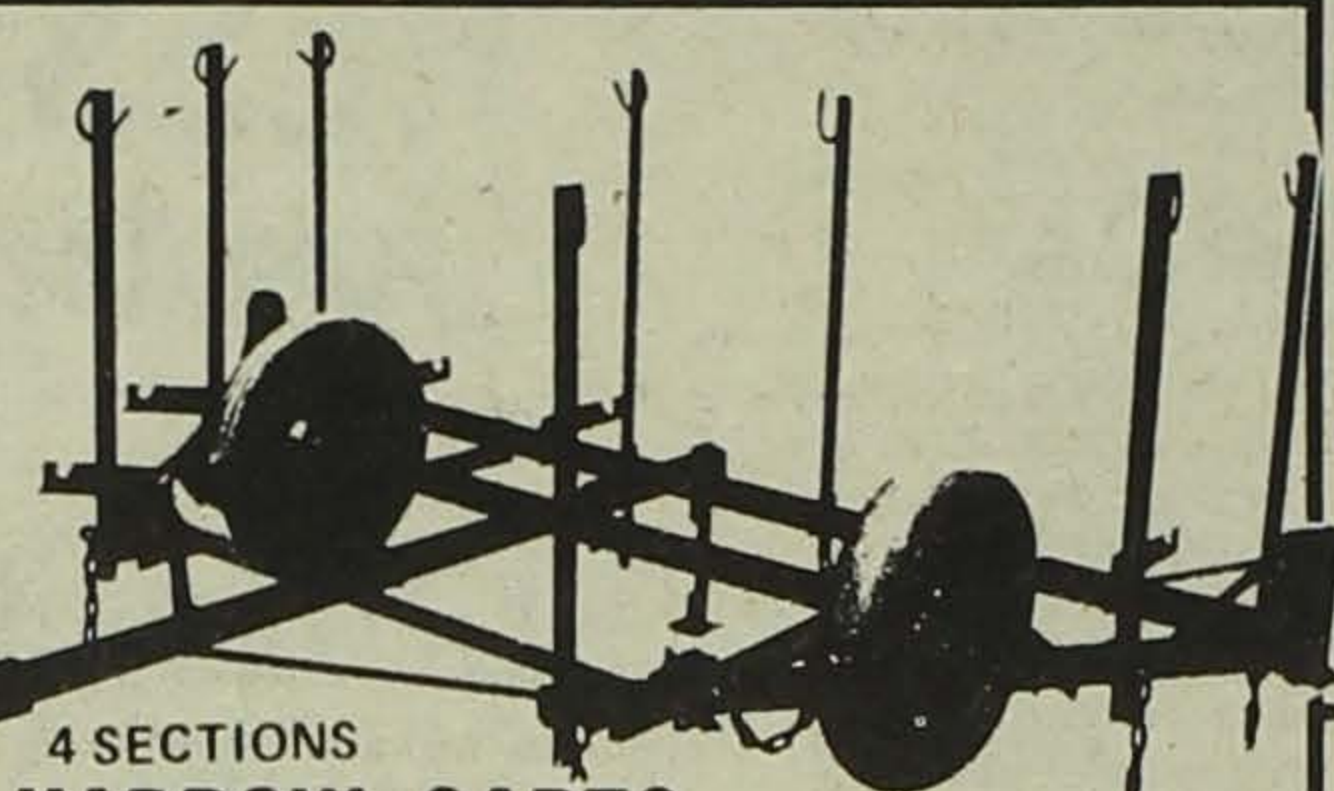
55LW for 5 Sections - 5 1/2' Harrow	Regular \$465.00 - OUR PRICE..	\$411 ⁸⁸
66LW for 6 Sections - 5 1/2' Harrow	Regular \$510.00 - OUR PRICE..	459 ⁸⁸
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R-56 5 1/2 ft. Section	110 lbs. \$80.00	\$71.60
R-60 6 ft. Section	126 lbs. \$87.50	\$77.50
R-60x 6 ft. Section	136 lbs. \$100.00	\$88.75



4 SECTIONS HARROW CARTS

Model	No. of Sections	Reg. Price less tires & tubes, not set up	SALE PRICE Less tires & tubes, not set up
UD55C	4-5 1/2'	\$365.00	\$319 ⁵⁰
UD66C	4-6'	\$385.00	\$336 ⁴⁰

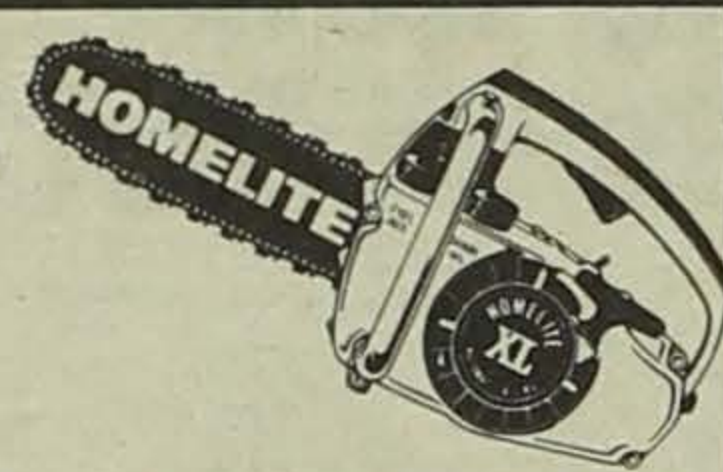
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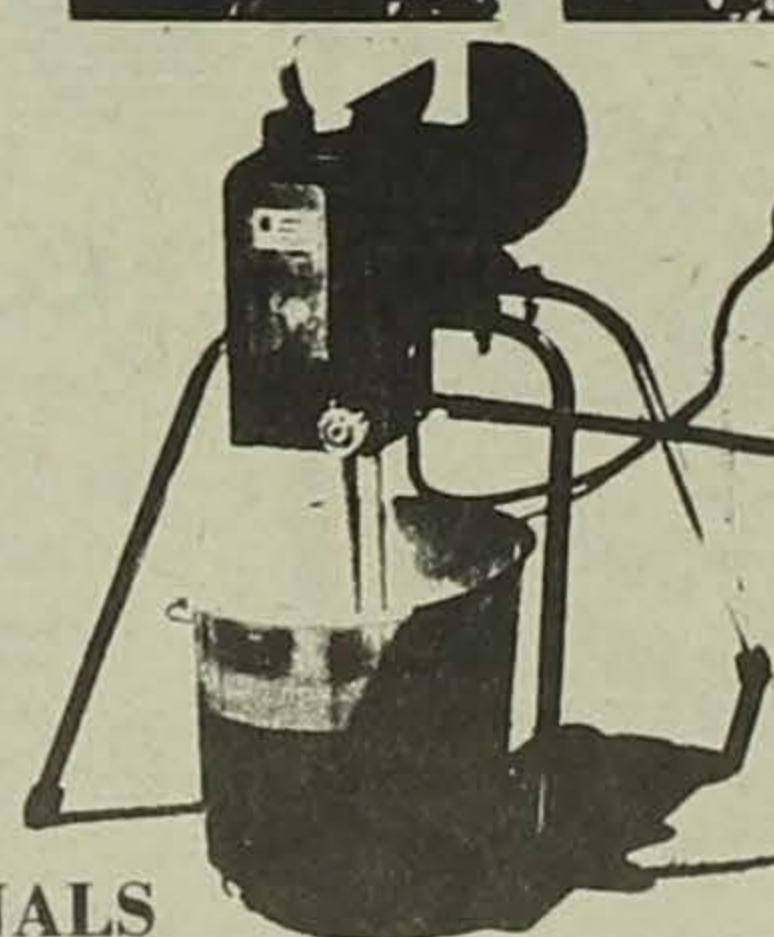
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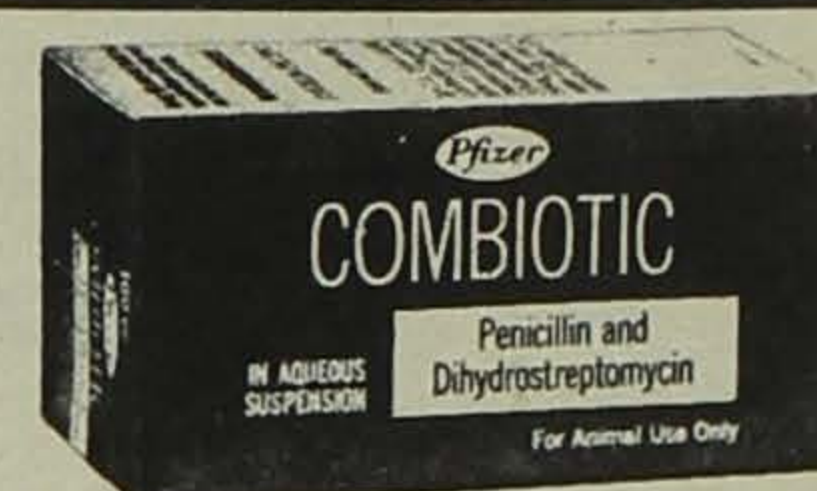


Aureomycin Crumbles

50 Lbs.
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Save at

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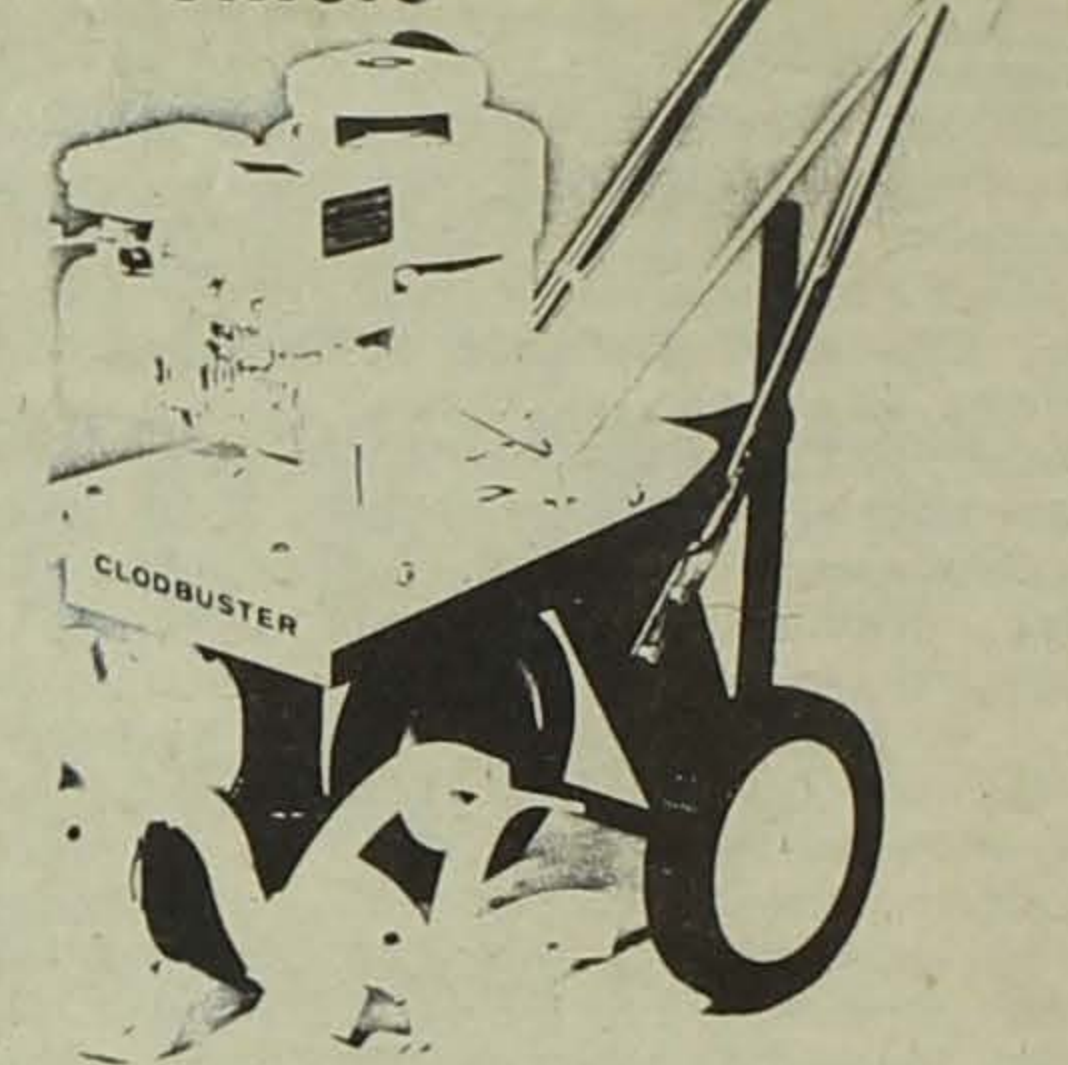


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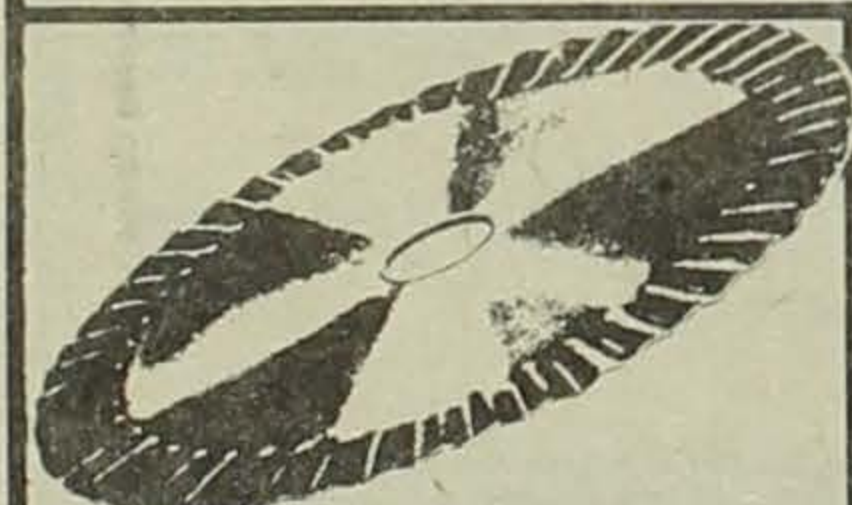
Model	Reg.	Sale	Save
TNR 3.5	\$209.88	\$189.88	\$20.00
TG 3.5	\$233.88	\$210.88	\$23.00
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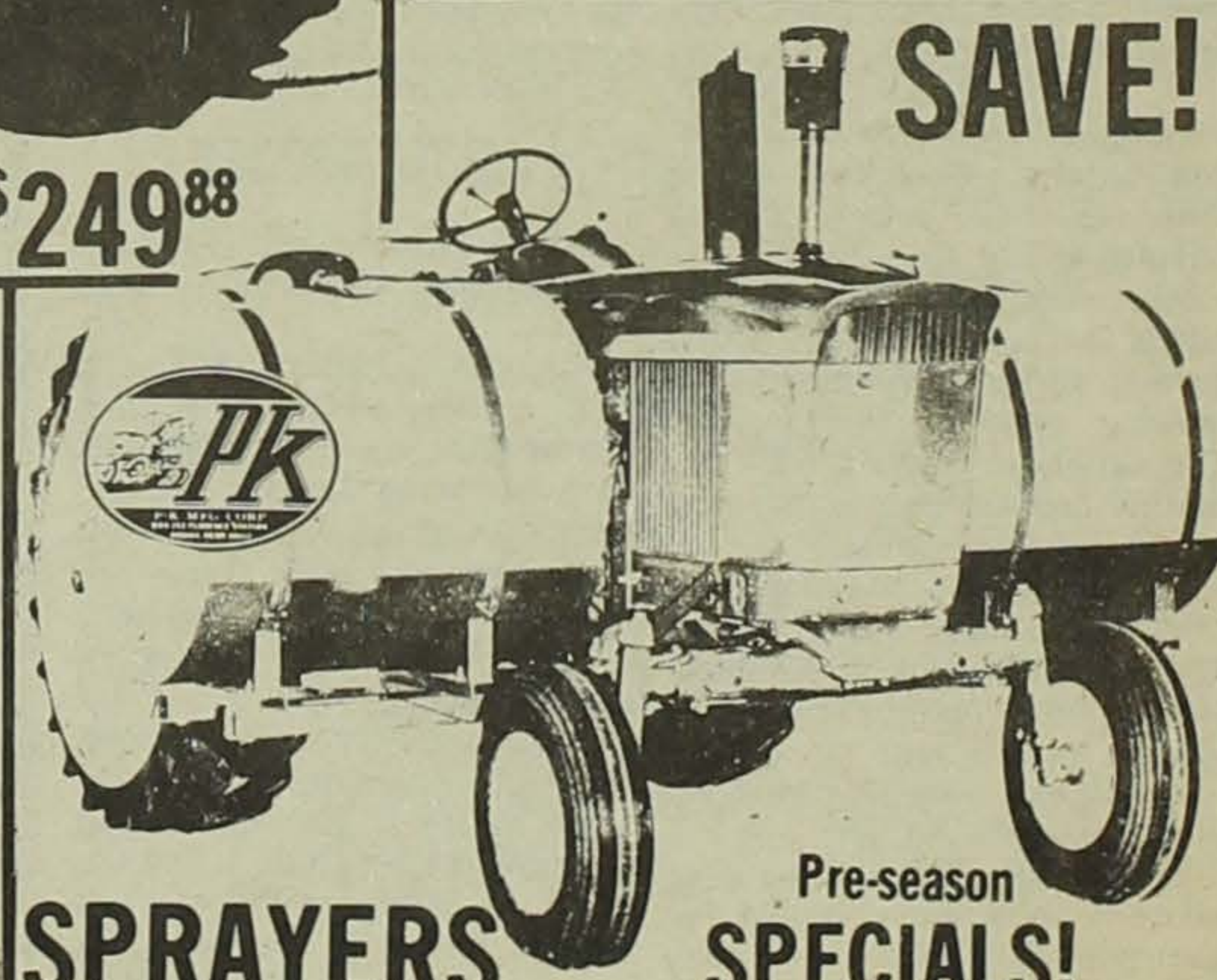
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plowing-prevents blade from slip-
ping-assures steady rotation.

	Reg. Price	Our Price
17"	\$18 ⁷⁵	\$14 ⁹⁷
20"	\$29 ⁹⁵	\$23 ⁸⁸



COULTER-DISK BLADES

16"	Plain Coultter	\$7 ⁸⁸
16"	Notched Coultter	8 ⁸⁸
17"	Plain Coultter	8 ⁸⁸
17"	Notched Coultter	9 ³⁹
18"	Plain Coultter	8 ⁸⁸
18"	Notched Coultter	10 ⁵⁴
	1-10	10 or More
11 Ga. 16" Disk Blade	\$5 ⁰²	\$4 ⁹⁰
11 Ga. 18" Disk Blade	\$5 ⁵⁰	\$5 ⁷⁵



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Cowboy Feels Unattached If He Doesn't Have Hat



Jim Dix, bareback bronc rider from North Collie, Australia, wears his cowboy hat as a symbol of a way of life.

The feeling a cowboy has for his hat has developed out of more than a century of tradition that a hat is part of a cowboy's image.

"A cowboy is normally a peaceful man, but one sure way of making him mad is to touch or take his hat," said cowboy Jim Sayre of Deadwood, S.D. "If you deform a cowboy's hat, he'll likely try to deform you."

"I feel naked without my hat," said Sayre, who was in Oklahoma City recently to attend the National Finals Rodeo where top rodeo cowboys competed for national championship honors and a share of the \$40,000 in championship payoffs.

Cowboy's Badge

"A hat is the badge of a cowboy," Sayre declared. "A

typical cowboy will spend his last dime on a good hat, because a hat is important for his ego and helps him look the part. Anyone who wears a cowboy hat is saying he wants to be identified with this way of life."

For the true cowboy, a hat symbolizes and expresses the spirit of the Old West. Today, the hat remains a strong link with the past since its style is truly American in origin.

Jim Robison, a lawyer from Sikeston, Mo., who identified himself as a "weekend cowboy," said he started wearing a hat "when I got up enough nerve to defend it. Wearing a cowboy hat in certain parts of the country is sometimes looked upon as being silly, and a cowboy must be ready to defend his hat should

someone laugh."

Hat Style

Sayre said there was a time when you could tell what part of the country a cowboy was from, or what his rodeo event was, from the style of his hat. But these differences are disappearing as various styles

become more available in stores across the country.

Over the years, the cowboy hat has also been associated with many superstitions and stories. For example, never throw a hat on a bed as it will bring bad luck before the day is done. Or, if a cowboy wears his

hat tilted to one side, watch him closely, as he probably can't be trusted. A favorite hat has also been known to bring good luck.

And people have also been known to be married wearing their hats, and to take their hats with them when they were buried.

Fifth and Elm Streets

Rolands

Telephone 243-5492

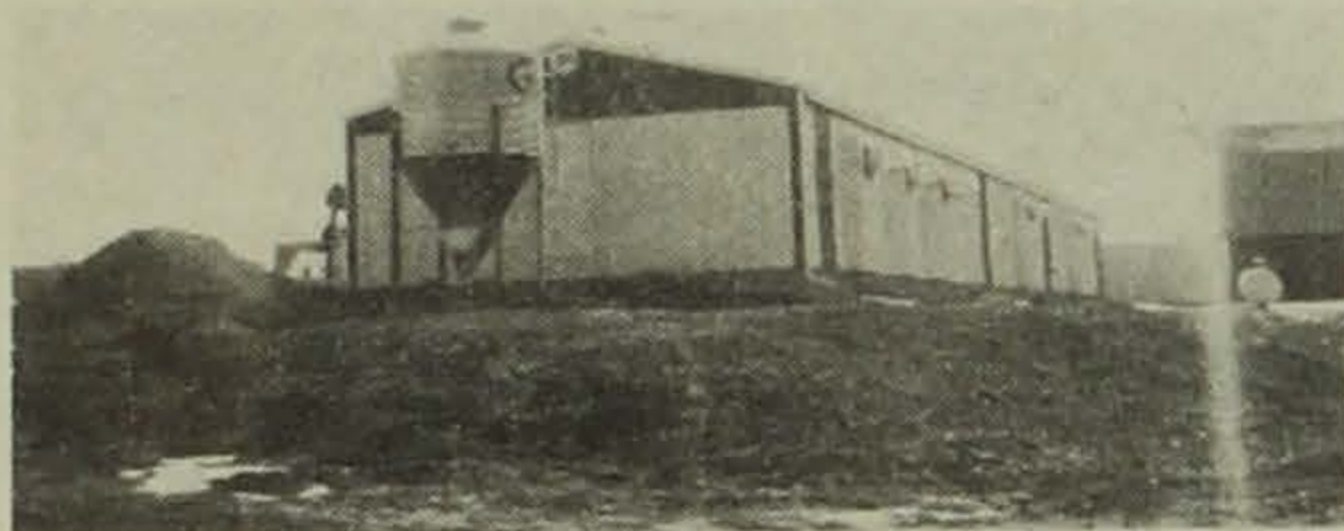
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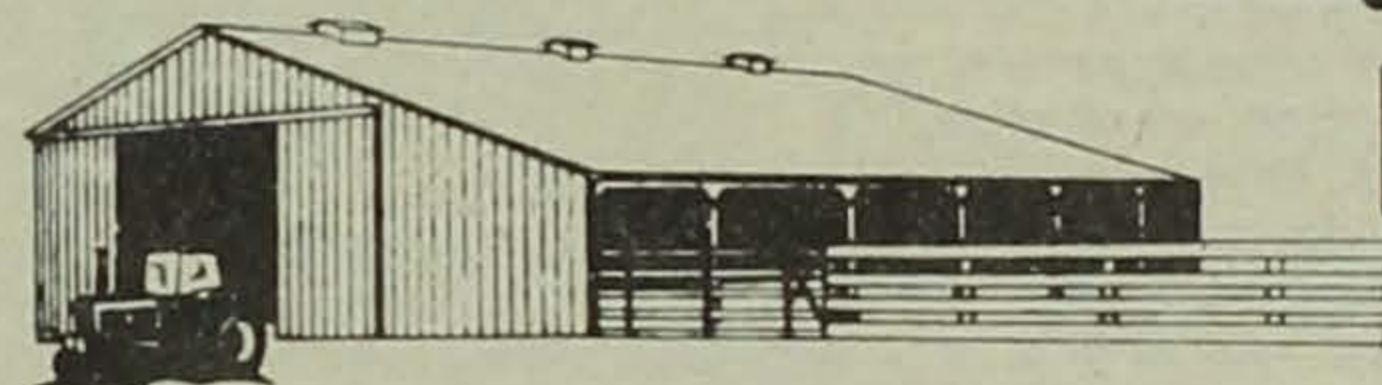
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Wanted: Women Willing To Face Challenge

"Women," according to Mrs. C.R. Ayers of Atlantic, "are a potential power."

That power, she believes, depends on unity and she compares it to the working man's lack of power before unionization and the power the working man now holds.

Further, she thinks that strength through union to get things done, already exists and can be found in the Federated Women's Clubs.

She said that a woman writing to her congressman is a beginning, but that a woman representing 26,000 others writing to her congressman would have a far greater effect.

"Unity provides a greater opportunity to do bigger things," Mrs. Ayers declared.

A woman interested in education and qualified teachers can do little on her own, but with others they can have a visible effect on school boards and state or federal laws.

A woman who would not be able to help a student can help several through the scholarship funds of a club, Mrs. Ayers added.

The General Federation of Women's Clubs has 700,000 members and the Iowa Federation of Women's Clubs has about 26,000 members, according to Mrs. Ayers. She is the Iowa Federation's president-elect.

Women's clubs have "an image of gossip and tea drinking," Mrs. Ayers said, and that image is "totally false if applied to the federated clubs."

The club's main purposes are service and self-improvement. Fellowship is a by-product, Mrs. Ayers explained.

Buffet Of Interest

She likened the federated club programs to a large buffet, where there is plenty for everyone, but no one can use all that is offered.

Furthering the comparison, she said that like each woman filling her plate with different quantities of different foods, each club and each club member can apply their talents and interests to the programs offered by the Iowa Federation.

"There is," she emphasized, "something of interest for any woman of any age."

Conservation, education, fine arts, home life, international affairs and public affairs are the main courses in the buffet offered by the Iowa Federated Club.

Each of those departments has a series of divisions within it as there are many kinds of desserts, hot dishes and salads



Mrs. C.R. Ayers

at a buffet.

She said that the federated clubs have not reached their full potential, but that they have been influential.

Education

According to Mrs. Ayers, the most important work of the federated clubs "is probably the scholarships."

In 1974 the Iowa club was responsible for 76 scholarships, totaling \$21,643. They offer scholarships for teachers in special education, merit and vocational scholarships, scholarships for specific universities and nursing, music and camp scholarships.

Mrs. Ayers said that about 80 per cent of Iowa's libraries, including the one at Lewis, were started by federated club members. The club has worked through the years for better education and better teacher qualification.

Local clubs hold clinics for their members or the community on breast cancer, gun control, alcoholism, justice for juveniles, estate planning and gerontology, to name a few of the subjects.

One club donated proceeds from a money making project to a student emergency loan fund at the University of Nevada. The fund loaned \$5,300 interest-free to students facing a sudden crisis such as illness, car or housing problems.

The average loan was just \$48. The fund allowed students to meet their expenses, instead of dropping out of school.

Clubs have organized PTAs and backed members for school board positions in addition to taking united stands on issues before a school board. Members of the Iowa Federation are trying to have funds set aside for the construction of an Indian school at Tama and there is a yearly fund for helping Indian students with living expenses while they are at college.

Public Affairs

Another important project of the Iowa Federation is the distribution and sale of projects of the Iowa Commission of the Blind. Mrs. Ayers said this has been a continuous project for about 40 years.

Iowa has the world's largest library for the blind because of the efforts of the federated clubs she said.

"Women need to be well informed and have an interest in public and international affairs," she explained. The federation club has a strong legislative department so members will know what they are voting for and "once chosen the responsibility to the elected man begins — not ends."

The club members study issues as diverse as rape and foreign trade and any club can submit a resolution to be voted

on by club members. Once approved, a woman can truly write to her congressman saying "I represent 26,000 women who think ..."

One federated club has operated a counseling and employment service for those over 60 for 14 years seeking "to explode myths that cause age discrimination."

Another club sponsors eye tests before school each year and many have programs on bicycle safety and safety on the way to school.

Some club members entertain at hospitals and others do volunteer hospital work. One club in a community beautification program cleaned a cemetery, weeding, planting, and laying walkways.

A number of clubs have initiated programs to check and improve street lighting in their towns.

Mrs. Ayers believes that "the stability of the nation depends on the strength of the homes."

Anything a member does or studies that can improve her homelife may become a club project.

In the fine arts department are means of self-improvement such as an annually reading list. There are divisions for crafts, painting, sculpture, prose, poetry and music. Local clubs might hold sales and exhibits and there are state contests and recognition for each division.

One contest for a seamstress is "Fashion Designs for the Handicapped." Members design and make clothing for the convenience of someone missing an arm, confined to a wheel chair or wearing a body brace.

Conservation

Clubs work on a variety of projects.

One club stopped a highway commission from putting a road through a local beauty spot. Another cleaned a cattle feedlot and converted it into a park.

Another club was instrumental in efforts to keep an ammonia plant from being built near the community.

On a smaller scale many clubs have organized recycling centers and litter clean-up projects. Others have sponsored essay contests and given conservation material to schools.

Some groups have restored historic homes or old railroad depots, converting them into museums, art centers, park shelters and recreation facilities.

Clubs have provided playground equipment, park benches, picnic tables, swimming pools, wayside parks, complete parks, shelter houses

and senior citizen centers.

"The federation is for the woman ready to face a challenge, whether large or small, willing to seek a broader vision of the total community," Mrs. Ayers related.

WRITER SUGGESTS 99-CENT COIN

All the talk about Congress reviving the two-cent denomination recently moved an editorial writer for the Houston, Tex., Post to explore some other possibilities.

Why not, the writer tongue-in-cheeked, introduce a nine-cent coin. "We could call it the niner," he wrote.

"In the food market it would go toward every 39-cent, 49-cent and \$2.99 purchase." In fact, the writer continued, if it weren't for sales taxes, Congress might

be wise to produce a \$1.99 note instead of the \$2 denomination.

"The \$1.99 bill would have a constant turnover in purchases of everything from shoes at \$19.99 to mink coats at \$3,999.99," the writer explained.

Congress also might come up with a .9-cent coin, the editorial continues, just right for paying that last digit on the price of a gallon of gasoline.

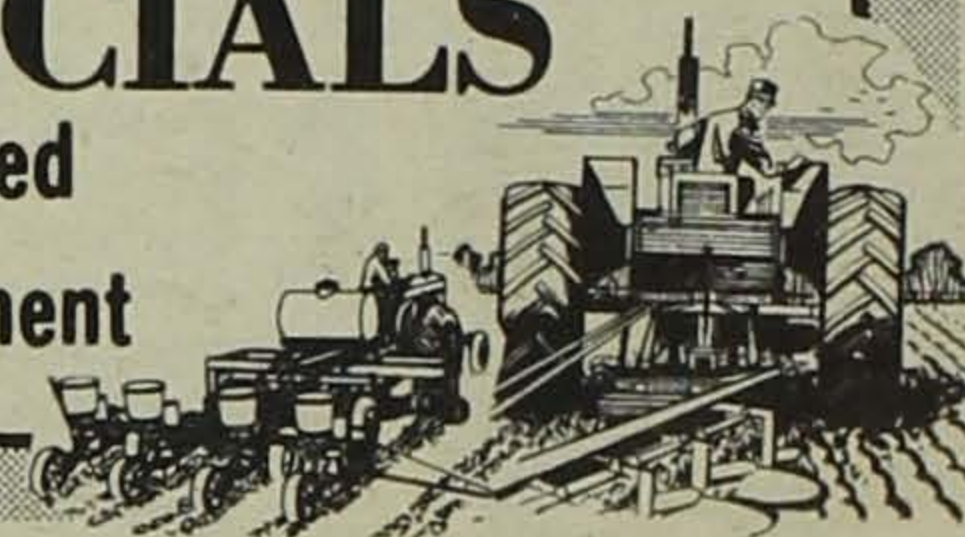
Lamenting the passing of the time when the two-cent coin would buy anything, the writer concludes that maybe Congress just ought to leave the "penny" alone.

"It's nice to have two to rub together in your pocket when times get hard," he allowed.

Reader Frank Barnhill of Houston sent Coin World a copy of the editorial.

William McKinley won the presidency in 1896 by staying home and speaking from his front porch while William Jennings Bryan stumped the country.

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- 3-Kewanee, 19-9 and 21-2

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Draft Horses Now Popular As Hobby

By Paul Holley
Drake University
Journalism Student
(Distributed by Iowa
Daily Press Association)

DES MOINES — Smoke-belching tractors now roll along the furrows where Clydesdales, Percherons, Belgians and Suffolks once plodded.

But the draft horse hasn't disappeared, according to many Iowans. These people are draft horse fanciers who raise, break, show and sell the huge animals.

"Draft horses are real popular again," says Jerry Coughlon, assistant secretary of the Iowa State Fair. "People enjoy looking at them. We had the biggest show in several years at the fair. Our problem was a lack of room for all the entries."

Coughlon says that while few people farm entirely with draft horses today, the large animals have become a popular hobby with many.

"A good hitch makes a nice show and the horses make good advertising," he says. He cites two advertising promotions — the Budweiser Clydesdales and the Schiltz 40-Horse Hitch — as adding to the surge in popularity in draft horses.

Of the Iowans who have made the horses a hobby, some two dozen earn incomes at raising and breeding the animals, according to Jay Mitchell, a retired Maytag employee of rural Newton.

Belgian Colts

Mitchell raises four purebred registered Belgian colts each year on his farm using his own breeding stock which includes the champion stud, "Contributor."

"I try to sell them as soon as they're weaned or at about six months old," says Mitchell. "The Belgian breed is preferred by many as a show animal because of its red sorrel color and white markings. Several animals that have been raised here at my place have taken places in the shows at the state fair and the (National Dairy) Cattle Congress (in Waterloo)."

Mitchell also has served as the stable's superintendent for the Iowa State Fair draft horse show, a volunteer job which he finds time consuming but often pleasant. He says, "Draft horse people are a cooperative bunch — it's like one big family — we help each other."

The increase in interest has activated the law of supply and demand, resulting in higher prices being paid for fewer horses and scarce horse-drawn equipment.

Rollin Gingerich of rural Parnell says, "A good young pair of non-show or work animals is worth \$1,000 to \$1,500 now."

Gingerich owns ten horses which he has broken for wagon pulling. He says year-old horses (yearlings) and two-year-olds are at the best age to begin training.

Experienced Team

"I usually start out by tying a colt to an experienced team and work them pulling a light wagon," he says. "I like to get 'em into not being afraid of you."

"Lots of older farmers are interested in horses again," says Gingerich. "They thought the price would never go up because they can remember when you practically had to give a horse away."

Gingerich has shown draft

horses at shows in Des Moines, Cedar Rapids, Davenport, Waterloo and Evanston, Ill. "You just break even showing the horses," he says. "The only way to make money by showing is selling (the animals)."

Herschel Griffith of rural Malcom also breaks draft horses for exhibition. He has shown Belgian hitches since 1948 and holds the 1975 reserve single award.

The high point team award, explains Griffith, is given to the owner of the draft horse team scoring the most points at draft horse shows in Iowa during the year. The teams are judged on their disposition, color,

markings and ease of handling. Griffith adds that draft horses, despite their huge size, are very gentle in nature.

INSTALLMENT CREDIT ON INCREASE

The use of credit in the United States has grown faster than Jack's beanstalk.

The Institute of Life Insurance reports that between 1947 and 1975 total consumer installment credit has increased nearly 24 times.

In 1947, according to figures compiled by the Federal Reserve Board, all consumer installment credit totaled \$6.7 billion — 3.9 per cent of total disposable personal income. By

the end of 1975 there was an estimated \$160.2 billion in consumer credit outstanding — 14.9 per cent of disposable income.

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Atlantic News-Telegraph

Van's Chat and Chew

'Dueling Banjos' Pull Music Lovers To Bluegrass

Although most people wouldn't be able to define bluegrass music, they've heard and enjoyed at least one bluegrass tune, "Dueling Banjos."

Kevin Avey, son of Mr. and Mrs. Gerald Avey, formerly of Atlantic, and grandson of Mrs. Elsie Pollock of Atlantic, is a member of a rising bluegrass group called "Sandy Creek Pickers." The group's base is Lincoln, Neb.

Avey, who plays the mandolin for the 1½-year old group, reports that all but one of the Pickers met while playing in rock bands during high school.

"I got tired of rock...it was too loud. When I first heard bluegrass, I fell in love with it," he said.

Last summer, the group walked away with first place in band competition, took the overall grand champion money and won two individual awards at the 1975 National Fiddle and Country Music contest at Brownville, Neb.

In August they won first place at the Rocky Mountain Bluegrass Festival.

"We're getting itchy feet and want to get out and move a little bit," he confided to a reporter for the Lincoln, Neb., Journal.

He told his aunt, Mrs. Kenneth Turk of Atlantic that he would like to see bluegrass get a good start in Iowa and would like to have the Pickers play in this area.

Old Standards

The group doesn't do its own writing, but rearranges old bluegrass standards, picking up most of the 60-tune repertoire



Kevin Avey

from recordings and friends, Avey explained.

Their music, according to Avey, "is standard, simple and mellow."

Other members of the group are Steve Heironymous, guitar; Mike Paul, banjo; John Paul, bass; and Tim Murphy, fiddle.

Murphy, the only member of the group who has studied music, explained the musical form known as bluegrass.

Bluegrass uses mandolin, banjo and fiddle as lead instruments and a bass and guitar for rhythm, he said. It started about 1940 with Bill Monroe and the Bluegrass Boys. Gradually, the music associated with that group grew to include string band music from the 1920s and 30s.

Down Home

He says bluegrass music is "down home for and about people who have lived away from the city." It portrays the hardship and loneliness people face, he continued.

According to Murphy, the music was looked down on for a long time, as a sort of music for



Sandy Creek Pickers

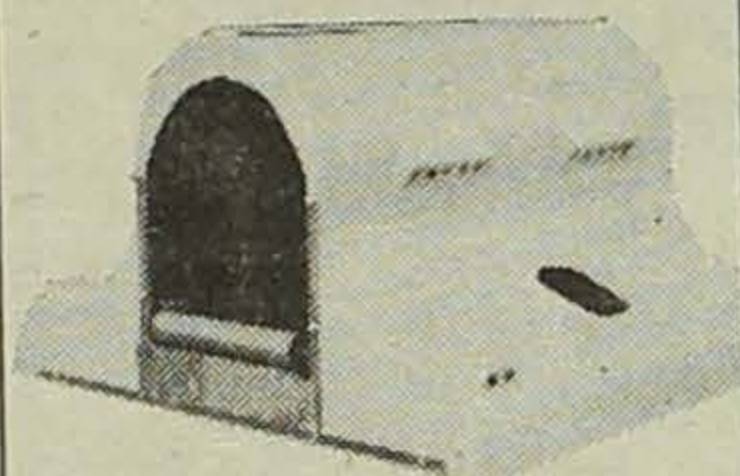
dumb people. The worst slump occurred in the 1950s, but the musical form and acceptance have been growing since, through the hootenanny era of the 60s with groups like the New Christy Minstrels to the widespread popularity of Dueling Banjos. That song was

originally called "Feuding Banjos" and was written about 20 years ago.

The group's success and busy schedule seems to prove

Murphy right about the growing popularity of bluegrass. It plays five nights a week, each week, yet, the earliest they can take a new booking is two months in advance.

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Tells Secret Of 338 Bushels

Herman Warsaw of Saybrook, Ill., holder of the world's record corn yield of 338 bushels per acre, is a student of the soil.

He has been farming since 1942. Last fall his machine harvested his FS 854 variety corn from a measured acre within a 2½-acre plot. His hybrid was a full season, single cross, upright leaf variety corn.

Here are his 10 commandments for producing high yielding corn:

—Adopt a program of conservation (minimum) tillage to enrich the soil, curb soil robbing wind and water erosion and to retain moisture and fertilizer.

—Develop a thirst for knowledge about the best methods, techniques and tools available for growing corn from the seed corn, chemical, fertilizer and machinery dealers plus university extension crop specialists.

—Make an investment in the future by setting aside a limited number of acres on which to test new varieties at high fertility and population rates.

—Have soil tests made on your fields every three years and every year on test plots.

—Don't limit yourself to using the same hybrid each year, but rather try a number of varieties with differing rates of maturity

to spread the level of risk.

—Study every angle of the farming operation each season, trying to improve your production.

—Study and select good hybrids and learn about their response to the stress of high fertility and high plant population.

—Be willing to spend long days and nights in spring and fall to get the planting and harvesting related jobs done in time.

—Seek the understanding of your wife and family. They too, have a stake in the successful farming operation.

—Pray for good weather, the only real limiting factor on high yields.

COIN STEALER

A janitor at the Cleveland Federal Reserve Bank, Gerland Ramsey Jr., 21, has been charged by the FBI with the theft of 60,000 quarters worth \$15,000.

Ramsey allegedly stuffed the coins into his pockets over a 56-day period just before going home for lunch.

Agents said a wire cage in a high-security room had been cut to reach the coins stored in 15 bags.

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Common Goal In Soil, Wildlife Management

By George Cox,
Wildlife Management
Biologist With
Iowa Conservation
Commission.

In 1933, Aldo Leopold, a noted educator and forester, defined "productivity" as the rate at which "breeding stock produces a removable crop or additional breeding stock."

If the crops are removed, one can measure productivity very easily. In business, the interest gained compared to the capital invested is productivity.

In game management, comparing the harvest to the breeding stock gives and estimate of productivity. In farming, one can compare the yield to the quantity of seed needed to produce that yield.

Long ago wildlife managers established as their goals, "sustained yields" and "maximum productivity." It has not been until recently that the agricultural community established maximum production as a primary goal.

Perhaps the wildlife profession has something to offer the farming community. It is commonly accepted that, a body of knowledge becomes a science when its facts are a reliable basis for predicting the future.

While probably not the originator of maximum production, wildlife management has certainly stumbled and fallen numerous times attempting to attain its goals.

"Research is the means of keeping the costs of our failures down." Costs relative to a renewable resource often does not even involve dollars and cents but possibly the loss of the resource.

Categories

There are generally three categories involved in the acceptance of an idea. First, I don't believe it; second, it's not important; and third, I knew it all the time.

Instead of a goal, "maximum production" could well be the epitaph for the farmer. Can we relate the acceptance of an idea to maximum production?

If a man on three meals a day can cut two cords of wood, is it logical to assume that a man on six meals a day can cut four cords? Does increased energy input provide maximum production? If 40 apple trees per acre can yield 500 bushels of fruit, is it logical to assume 80 trees per acre can yield 1,000 bushels? If our bucket leaks, should we keep pouring and pouring and trying our best to fill it? Can poor management provide maximum production? Do you believe it; is it important; of course you already knew that!!!

Practical World

In the practical world we all must face each day, wildlife management and farming really do have a common goal. Wildlife is a product of the soil. There was once a time when the "old-timers" were set to staring at the abundance of wildlife in the "good old days." Those huge game crops of a century ago were produced on the best soils of this continent. Long ago, our best soils were pre-empted for intensive farming.

It is commonly accepted that hilly, rocky, sandy, or inaccessible soils were the least productive and should be managed for wildlife. Perhaps this was proper. It was certainly inevitable. Wildlife professionals have accepted the idea (we knew it all the time) that some things are just not

equal to the high agricultural values. In such cases there may be no place at all for wildlife in the land use planning scheme.

Most people usually value the soil in terms of cords of wood, bushels of apples, tons of hay, and bushels of corn. These are familiar quantities. They have meaning to each of us. They are a method of relating differences between two fields or two farms. Does the end justify the means? Can we grow a breeding stock of soil?

Lesson

The greatest lessons wildlife managers have learned from all of this is that our best investments in wildlife management will be on lands in situations where we can maximize our production of our recreational and esthetic crop without interfering with the major industry. We can indeed raise a crop of wildlife right along side a crop of corn without interfering. You see, — we really do have a common goal.

A wildlife manager is concerned constantly with the arrangement of things. With no changes in the total acreage, he may be able to shuffle the ingredients around to double or even triple the number of animals a given area will produce or support.

Maximum Production

Maximum production for agriculture often involves expanding into acreages of marginal return or high risks and must be planned over a longer time span. Favorable conditions for wildlife are easily identifiable. It is common for a landowner to point to a corner where woodlot, brush and cropfield come together and verify that "a covey of quail has been there every fall for the past seven years."

What he really means is that this unit of habitat has actually produced a different covey of quail each year. If there were more than one such unit of habitat on his farm, it is likely there would be more than one covey of quail. But take that unit apart into separate components and move them to opposite corners of the farm and there will likely be no quail. It's not important! Wildlife is a common property, and the landowner is under no obligation to produce and to protect this common property if he chooses otherwise.

Success

Many people tend to judge our success by the number of bathtubs, automobiles, bottle openers, or whatever we can sell or use each year. Roads, gas stations, summer camps, resorts, honky tonks, motor boats, airplanes, shopping centers... have all changed the flavor and quality of our land. In a populated country such as ours, anything "undeveloped" is likely to be looked upon as going to waste. There is simply nothing that "free enterprise" does not want. A wildlifer cannot accept that idea because he does not believe it.

The credo for the Soil Conservation Service is "Produce more, Protect more." "Maximum production over time." Let us tread carefully forward but let's also assure ourselves that "maximum production" is not our epitaph. Let's feed the world if we must but let's not destroy our natural resource in the process. Ample technical assistance is available from the soil and wildlife specialist. Wildlife management and agriculture are both a science. We do have a common goal and we can predict the future.



Cathedral

Cathedral, a new floribunda, is one of the All-America Rose Selections winners for 1976. The long, pointed, rich apricot buds open to large 15-18 petaled, ruffled blooms of softer apricot, to which salmon tints are added as the flower matures. The fully opened flowers display bright golden stamens. The blooms are generally borne in small clusters of five to nine florets, ideal for cutting and longlasting in the home.

SAVING DOLLARS MORE POPULAR

More people are putting away money for a rainy day.

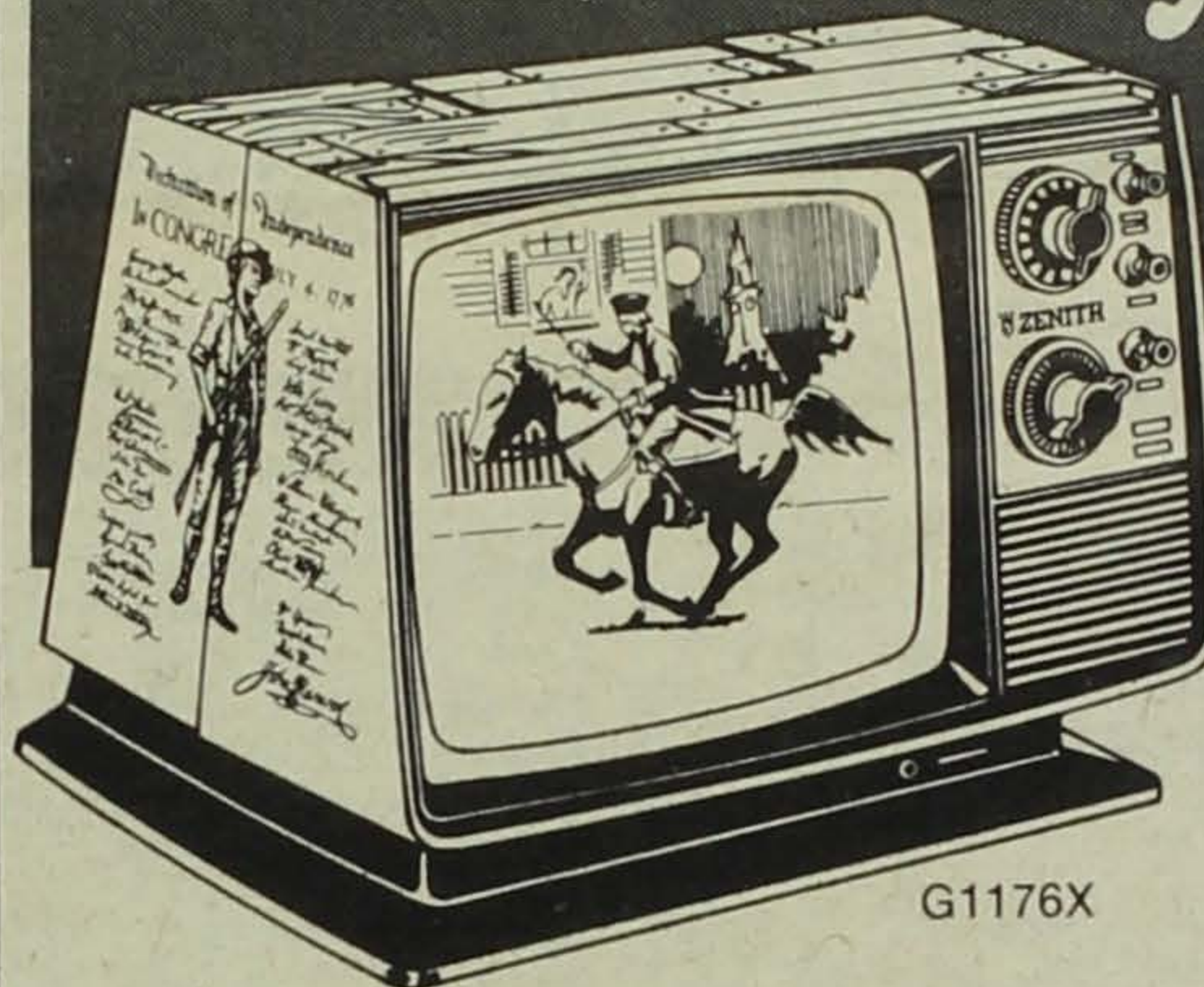
Personal savings in the United States have climbed from \$28.4 billion dollars in 1965 to \$77 billion at the start of 1975, the Institute of Life Insurance reports. The 1965 amount, based on figures released by the Department of Commerce, represented 6 per cent of disposable income. During the early 70s, the figure has hovered around 8 per cent, and was 7.9 per cent at the start of 1975.

There are also strong indications that personal saving in 1975 exceeded the 1974 rate, according to the Institute. Personal savings are defined as the money remaining after expenditures and taxes during the year.

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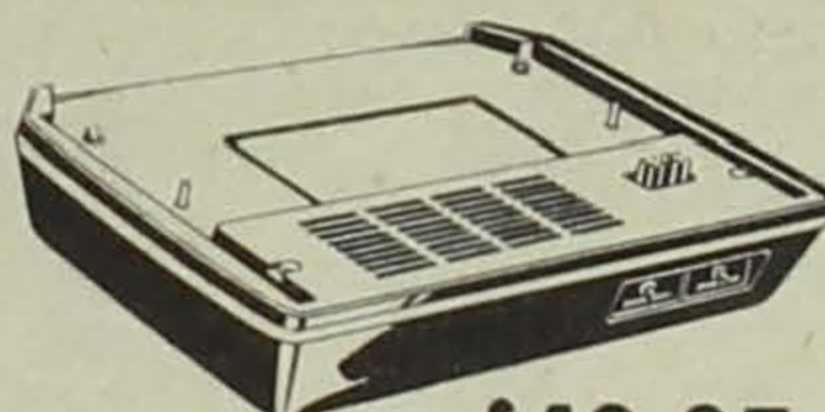
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Woman Is Head Grower At Big Greenhouse

By CHARLOTTE BLACK
Albuquerque Tribune Writer
ALBUQUERQUE (AP) —
Edna De Los Santos A. works
in a growing business.
Literally.

The pretty, dark-eyed young woman is head grower for El Cid Greenhouses at Tome, in the lush farming land south of Los Lunas, N.M. She's as rare as an exotic blossom. Few head growers in the country are women.

In the various bays at El Cid Greenhouses are literally thousands upon thousands of chrysanthemums, begonias and ferns.

"There really is a demand for them. I guess that's why we're doing so well," says Miss De Los Santos, who adds an A to her name because of her marriage this spring to a young court reporter named Albert Alvarez.

"We think we're being liberal in our ordering and then we sell out. Maybe it's the recession. I'm told that during the Depression, people bought more house plants than ever before."

Miss De Los Santos's love affair with plants began many years ago. "I was always interested in science, particularly in plant physiology. But I didn't think I'd be a good teacher. I had to find another way to apply my interests."

She entered Texas A & M in the fall of 1971. With the help of various scholarships she emerged in 1974 with a bachelor's degree in horticulture.

During summers she worked in greenhouses in her home town of Corpus Christi. Last fall she began work on her master's degree.

When she graduated from Texas A & M — three years after she entered — it was

summa cum laude. Each year she was there she was designated a "distinguished student."

Her present life began shortly after Albuquerque businessman Jim Cox decided to convert his El Cid greenhouse operations from tomatoes to flowers. He called Dr. J.C. Raulston, one of Miss De Los Santos's professors and a highly respected authority in the field.

"Dr. Raulston recommended me. I was very pleased. Not everyone felt the way he did. Many of the other professors only told me about the teaching jobs. Discrimination against women is so subtle."

Cox flew Miss De Los Santos to Albuquerque for an interview, hired her and she has been working for him since January.

The most challenging thing about her job as El Cid's head grower is "juggling all the details."

"You could so easily get so caught up in the mums that you would forget to prune the begonias, pinch the gloxinias or repot the ferns."

"That's what makes it so interesting. It's always changing."

It has another aspect that Miss De Los Santos enjoys. There is a connection, she points out, between things of the soil and life itself. "I feel like I'm part of it. When our first gloxinia bloomed, I went around showing everybody."

She regularly works a five-and-a-half-day week. Monday through Friday she sees that all the planting, repotting and disbudding is done. Care through the weekend is simply to "maintain" the plants. They are watered, the light and temperature monitored.



HER GARDEN GROWS—Edna De Los Santos A., head grower at El Cid Greenhouses in Tome, N.M., casts an appraising eye over one of the plants in her care.

"I also walk around and just look at everything. If I catch the problems — disease, bugs — early they're much easier to control."

The first thing she does each day is start her crews out on what they are to do.

"My goal eventually is to have someone in charge of each of the growing areas, someone for the mums, someone else for the begonias."

"I'm always teaching. I know I enjoy something more when I understand it. And the more my workers know the more they can bring things to my attention, things that might be wrong."

"I always try to employ people who are interested in plants to begin with. Then we're on common ground."

In numbers alone, El Cid's operation is awe-inspiring.

"Each time we order pots we increase the order. We buy just thousands and thousands and thousands."

Rooted cuttings come from suppliers all over the country. They also do some of their own propagation at El Cid.

"Every week we plant over 1,000 pots, mostly chrysanthemums, but also begonias, gloxinias and all sorts of foliage plants."

Each plant has its own special requirements. "There's so much to learn. Some people devote their whole lives to one species, like chrysanthemums."

She has accumulated some odd bits of lore along the way.

"We had to revamp our schedule to provide for more lavender chrysanthemums. The color is very popular in this part of the country."

FAT COSTS MONEY

Your sweet tooth may be costing you money. The Institute of Life Insurance reports that of those people who pay higher than standard rates for ordinary life policies, nearly one in five are charged the extra premium because of weight problems.

Podiatrist Collects Books

By Lucy Hoy
Drake University
Journalism Student

DES MOINES — Dr. Stewart Reed, a retired Des Moines podiatrist, is currently collecting books on the foot and ankle after donating a similar 5,000-item collection to the Pennsylvania College of Podiatric Medicine last year.

He now has more than 2,000 volumes in his new library, which is in his Des Moines home. His original collection was the largest of its kind in the world, said Reed.

"When you start collecting books, it's like eating peanuts — you can't stop," Reed said.

Reed practiced podiatry in Des Moines for 42 years before retiring in 1970. After that, he devoted most of his time to his library.

"I think I'm the only one in my profession who's making a serious effort to build this kind of library," said Reed.

Rare Books

Reed said he decided to donate his collection to the Pennsylvania school, in Philadelphia, after school officials expressed an interest in it for the Bicentennial celebration and because they had the facilities to house it.

Reed began his library years ago when a fellow podiatrist in Des Moines gave him several old books and journals. He then began collecting the others on his own. He has made many trips to Europe to look for books.

In his current library are several complete sets of medical journals dating back to 1907.

"If you have the complete set of any journal, it becomes quite valuable," Reed said.

Two of his biggest finds were rare Italian books printed in 1537 and 1739. Many of the older texts include hand-drawn plates and diagrams.

Denver Mint Robbery Unsolved

One of the most famous robberies in U.S. Treasury Department history, the Dec. 18, 1922, armed robbery of \$200,000 in new \$5 notes at the entrance to the Denver Mint, was recalled by a writer in a recent Denver Post article.

According to Dow Helmers' account of the roaring gun-battle which left two dead in its wake, no one was ever arrested in the incident, although \$80,000 of the loot was subsequently recovered and seven individuals alleged to have participated in the savage heist were later reported dead or serving time for subsequent crimes.

The money was destined for the Denver Federal Reserve Bank, a branch of the Kansas City district, and had been stored at the Mint because vaults at the Denver Fed were deemed inadequate to store all the bank's necessary funds, Helmers relates.

Procedure

It was standard procedure to transfer the currency from the Mint to the bank as needed, usually once or twice a week.

That cold, December morning the bank cashier and another bank employee arrived at the Mint in a pickup truck to transfer the currency, Helmers notes. The arrangements were made and the bank officials signed receipts for the bills.

A mint guard, C.T. Linton, accompanied the bank employee and another mint guard in making the transfer.

At 10:40 a.m. while the funds were being placed in the bed of the truck, lightning struck, according to the Helmers' story. "At this time occurred possibly the most dramatic 90 seconds in Colorado criminal history," the free-lance contributor and history buff notes.

Black Buick

A black Buick approached the bank pickup, pulled along side, and several men jumped out, armed with shotguns, rifles and pistols.

Seconds later "the front of the Mint was sprayed with bullets. Linton, resisting the robbers, was shot point-blank and fatally wounded," Helmers reports.

Under heavy fire from guards positioned in the Mint, the robbers grabbed the cash from the bank vehicle, jumped back in the Buick and headed pell-mell away, running over a fire hydrant and sideswiping another vehicle in the process.

12 Robbers

Later it was learned the robbers, believed to number as many as 12, proceeded to an apartment house where they are believed to have split the take. Although the city was cordoned off, and a block by block, house by house search of the area was instigated, it took law enforcement officials 18 days to find the get-a-way car.

Frozen Body

"Slumped in the front seat was the frozen body of one of the robbers," wounded during the free-fire battle at the Mint's steps, Helmers notes.

Two months later, "an elaborate trap was set for the remaining criminals in St. Paul, Minn.," the article continues, "where it was believed the gang had been hiding."

No one was caught, Helmers says, although "\$80,000 of the loot was recovered from the cellar of a St. Paul banker."

Two years later, Federal agents announced they had identified the perpetrators of the daring, daylight assault on the courier vehicle. No names were made public, however, the story says.

In 1934, more than a decade

after the escapade, the Denver police chief reported that "five men and two women, responsible for the robbery, were dead or serving terms for subsequent crimes."

The daring, "Roaring Twenties" shootout occasioned near-hysterical reportage in the Denver newspapers, according to accounts provided by the State Historical Society, Denver.

Newspaper headlines fanned the rumor-mill resulting from the confusion of the 90-second melee. Eyewitnesses to the robbery gave conflicting reports. No less than eight get-a-way car license numbers were reported to police—all of which were wrong.

Ties to Chicago-based gangs were widely touted as the police investigation failed to turn up any suspects, and the police dragnet ever widened.

50 Employees

According to the Denver Post, 50 Mint employees with shotguns gave battle with the culprits, as pandemonium reigned in the streets outside the Mint.

Scores of shots rang out, bullets plastering nearby buildings and an unarmed mint employee gave chase after the careening get-a-way car.

"Every road leading out of Denver is under guard," the Post reported.

Dozens of detective vehicles were dispatched to apprehend the robbers. Giving chase to any suspect vehicle in the area, they succeeded, according to one report, in catching an illegal whiskey runner, who fell into the dragnet because of his suspicious movements.

The banks reported that the public immediately refused to accept \$5 bills, the only denomination stolen in the robbery. Demand for the note fell to zero, as both merchants and individuals eschewed any circumstantial connection with the holdup.

Premonition

The dead guard's wife told a reporter she felt he had a premonition of the day's events. The night previous, the sound-sleeping guard, was fretful and anxious, his wife said.

Although immediate substantial rewards for information were offered by the bank's insurance agency, the bankers' association and a vast array of local, state and federal investigators were placed on the case, the police chief's promise of arrests within 48 hours failed to materialize.

As Helmers noted, the investigation flagged. The Post, however, reported two bright spots to the nefarious incident: construction of the new Reserve Bank building was hastened by the bloody shoot-out; and had the robbers struck the preceding Monday, the haul would have been four times as great, \$800,000.

SLIM AND TRIM PORKERS

Today's pork is not the "fatty" type of meat it once was. That's because during the past 15 years, producers have dramatically increased the lean-to-fat ratio of hogs through scientific breeding and feeding practices. Lard yield has been cut almost in half — from 14.6 pounds per hundred pounds liveweight in 1957 to 7.6 pounds in 1972.

Also, the nutritional value of pork is more accurately presented in the newer charts which provide exact data for specific cuts and portions as they are cooked and served today.

Productive Pastures Good Conservation Practices

By Bill Willis,
District Conservationist

High quality, productive pasture is good soil and water conservation. Cow calf herds have always been an essential part of Cass County farming to utilize the forage produced on permanent pasture. However, the hot and dry weather of July and August often reduce pasture production to nearly nothing.

An answer to the age-old problem of summer pasture has been found in the use of an old native grass — switchgrass. Three varieties of switchgrass are known to exist that apply to pasture use. These are the Blackwell variety, Pathfinder, and Cave-in-Rock. Growth of switchgrass is triggered by warmer temperatures than other grasses such as brome. Consequently, peak production is delayed until mid-June or July.

The later growth characteristic of switchgrass is what provides importance for a full-season pasture program. The cool season grasses should be used beginning in late April through May and June when production from these grasses is unequaled. During this same period, switchgrass will be just starting growth building up to maximum production by the first of July.

On about July 1, the cool season grasses should be rested and livestock moved onto switchgrass until mid-September when cooler temperatures and increased rainfall will again trigger



growth of the cool season grasses.

A simple rule of thumb to plan the required acreage of switchgrass is to have two acres of cool season grasses for every one acre of switchgrass. This will provide about the right amount of forage throughout the entire grazing season.

A better method to determine acreage of each grass is to develop an actual pasture balance with the help of Soil Conservation District personnel that will project the actual acreage needed of each specie

of grass as well as the livestock carrying capacity.

The addition of switchgrass to a basic bluegrass, brome or orchardgrass pasture system will increase carrying capacity. It also has an advantage that the entire pasture acreage is all grasses. This avoids the problem of bloat when alfalfa is used to provide summer grazing.

Other warm season grasses are available other than switchgrass. These include Indiangrass and big and little bluestems which are all

adapted to Cass County pasture. The fields to be used for pasture can then be further planned for a full season seed is usually easier to get, and actual planting is fairly simple not requiring special seeding equipment.

A full season pasture program will make the best and most profitable use of pasture acres. It provides for effective soil erosion control, and it sure beats feeding hay in the summertime. A full season pasture program should be a part of a conservation plan for the entire farm. A plan will identify those fields whose best and optimum use will be for permanent

Hire the handicapped worker.

Program Seeks To Cut Farm Machinery Thefts

By Richard Whitaker
Drake University
Journalism Student

DES MOINES — The second phase of a rural crime prevention program to prevent farm machinery and grain thefts in Iowa began in Grundy County in mid-January.

The farm machinery identification program is the combined effort of the Grundy County Farm Bureau, Iowa Bureau of Criminal Investigation, Iowa Sheriff's Association and the Iowa Farm Bureau.

The program, which entails marking identification characters on the farm machinery, is designed to halt an increasing number of thefts, according to Craig Beek, BCI director.

Identification characters are placed at a uniform location on the machinery, allowing quick access by law enforcement officials.

In addition to the marking at the primary location, officials recommend that persons place their identification characters in at least one more out-of-the-

way location known only to them.

Under the marking system, an identification number for John Doe of Fairfield might read IA0510306D. The IA stands for Iowa, 051 stands for Jefferson County and the 0306D indicates that Doe is the 306th farmer with the last name beginning with "D".

The Iowa Bureau of Criminal Investigation developed in 1972 a proposal to establish a rural crime investigation unit for the state but federal funds were not available. The Iowa Farm Bureau Federation, however, believed some sort of rural crime prevention was needed, and began a pilot version of project identification with the BCI.

Phase one of project identification, devised to prevent on-farm grain thefts, went into effect Oct. 15 in Grundy and Ringgold counties on 20-25 farms.

Ringgold and Grundy counties were chosen to launch the grain identification program because of their

diverse locations in Iowa.

The farmer's grain identification number, the same as marked on farm machinery in phase two in Grundy County, was stamped on paper confetti three-eighths of an inch wide and three-quarters of an inch long.

The confetti was then either mixed with the grain as it was augered into the storage bin or spread over the top of the grain in the bin. According to U.S. Department of Agriculture (USDA) grain inspectors and processors, the confetti will not create problems and can easily be sifted out or blown off.

To cover 40,000 bushels of grain, the cost of the confetti would be approximately \$17.

When a tractor is bought in Iowa now, only one plate bears a serial number. No registration or title laws for farm machinery exist. No proof of ownership is needed to sell a tractor.

Iowa farmers may have more than \$4.7 billion invested in crops and \$2.7 billion invested in farm equipment.

Page County Angus Association

36th Sale and Show

Friday, March 12, 1976

Show at 9:30 A.M. Sale at 12:30 P.M.

52 Bulls and 13 Females

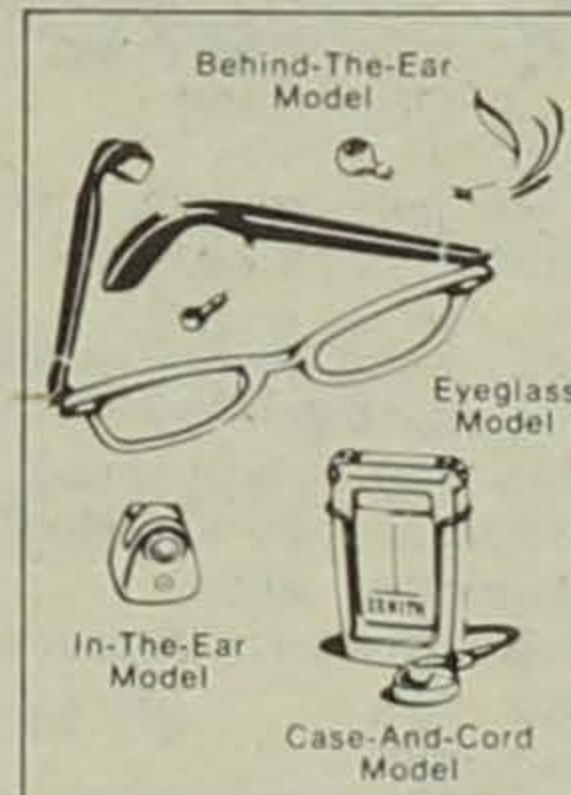
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THE BEST OF IOWA CAKE (Mrs. Earl M. Joint, Casey)

3/4 cup butter
1 3/4 cups sugar
3 eggs
3 squares melted semi-sweet chocolate
2 cups sifted cake flour
1 teaspoon salt
1 teaspoon soda
1 teaspoon Cream of Tartar
1 cup cold water

Cream butter and sugar, beat in eggs and melted chocolate. Sift dry ingredients and add alternatively with water to creamed mixture. Batter will be thin. Bake in two 9" greased and floured layer pans, lined with wax paper for 30 minutes.

Filling

1 bar Baker's German Sweet Chocolate
1/4 cup water
20 marshmallows (quartered)
1/2 cup chopped pecans

Melt chocolate in water, add marshmallows, stir until softened and covered with chocolate. Cool, add chopped pecans. Spread over bottom layer.

Seven-Minute Icing

2 egg whites
1 1/2 cup sugar
1/4 teaspoon Cream of Tartar
1-3 cup cold water
Dash of salt
1 teaspoon vanilla

Mix all ingredients except vanilla thoroughly. Cook in double boiler beating until mixture forms peak, almost seven minutes. Remove from heat — add vanilla, beat until ready to spread.

BAKED STUFFED BEEF HEART

3 to 4-pound beef heart
3 slices bacon
1 tablespoon instant minced onion
3 tablespoons butter or margarine, melted
2 cups soft bread crumbs
1 tablespoon chopped pimiento
1/8 teaspoon poultry seasoning
Seasoned flour
1 1/2 cups water

Prepared white horseradish

With a sharp pointed knife or kitchen scissors, remove the coarse fibers, veins and arteries from beef heart. Wash thoroughly in cold water.

Fry bacon until crisp; reserve drippings. Mix crumbled bacon with onion, butter, bread

crumbs, pimiento, 1 teaspoon salt, 1/2 teaspoon pepper and poultry seasoning. Fill heart with stuffing; skewer opening together. Roll in seasoned flour.

In a Dutch oven in reserved hot bacon drippings, brown beef heart on all sides; add water. Cover and bake in a 350-degree oven, turning once, until tender — 2 1/2 to 3 hours. Remove heart; serve with pan juices or thicken them, adding salt and pepper and horseradish to taste. Makes 4 to 6 servings.

GRAPEFRUIT SALAD

Especially attractive when made in a fluted mold.

1 envelope unflavored gelatin
1-3 cup cold water
1 1/4 cups orange juice
3 tablespoons fresh grapefruit juice
1/2 cup sugar
1/4 teaspoon salt
1 1/2 cups membrane-free fresh grapefruit sections, halved

In a medium mixing bowl sprinkle gelatin over cold water to soften. Heat 1 cup of the orange juice to boiling; pour over softened gelatin; stir until dissolved. Add remaining 1/4 cup orange juice, the grapefruit juice, sugar and salt; stir to dissolve sugar. Chill until thick but not set. Fold in grapefruit sections. Turn into a 1-quart mold; chill until set. Unmold. Garnish with salad greens and pass mayonnaise. Makes 6 to 8 servings.

Note: Drain grapefruit sections, if they have collected juice, before adding.

BREAD PUDDING

Strawberry preserves supply the sweetening.

8 slices stale white bread
2 tablespoons butter or margarine, soft
1/2 cup strawberry preserves
3 eggs
2 cups milk
1 tablespoon sugar
1/4 teaspoon salt
2 teaspoons pure vanilla extract

Spread bread with butter, then with preserves. Place in a 1 1/2-quart oblong glass baking dish (10x6x1 3/4 inches) or similar utensil, cutting some of the slices to fit. Beat eggs slightly; add milk, sugar, salt and vanilla; beat to blend; pour over bread; let stand at room temperature for 30 minutes. Bake in a pre-heated 325-degree oven until a knife inserted in center comes out clean — 45 to 70 minutes. Serve warm, not hot or cold! Makes 6 servings.

Outstanding Pizza For Dinner

A couple of cans of tuna packed in vegetable oil go a long way and add lots of pleasure when you use them imaginatively with other wholesome foods — especially whole grain "stretchables" and vegetables.

Here's an outstanding example of a healthful dish, attractive and interesting enough for gourmets and gluttons alike. It's called — fancifully — Tuna Pie Full of Health, a designation that suits it to a "T". It has a crisp, nut-like crust of brown rice, whole wheat flour, wheat germ and sunflower seeds, and a filling of tuna, broccoli, carrots, celery, Swiss cheese, eggs and milk. You bake the crust first and while it's cooling, you put together the filling, beat the eggs and milk together and mix in all the other ingredients. Then the pie goes into a 325 degree oven for about one hour, and when it emerges, you have a dish to be proud of!

TUNA PIZZA Crust

1 cup cooked brown rice
1 cup whole wheat flour
1-3 cup sunflower seeds
2 tablespoons wheat germ
1 teaspoon salt
1/8 teaspoon pepper
1-3 cup salad oil
1-3 cup milk

Mix cooked rice, flour, sunflower seeds, wheat germ, salt and pepper in a bowl. Stir in oil and milk. Roll out dough between two pieces of waxed paper to a 10-inch round. Remove top piece of waxed paper and turn pastry into a 9-inch pie plate. Remove second piece of waxed paper. Make rim on edge of crust. Bake in a 400 degree oven for 20 to 25 minutes, until lightly browned. Cool.

Filling

4 eggs
1 1/2 cups milk
2 cans (6 1/2 or 7 ounces each) tuna in vegetable oil
1 cup thawed frozen chopped broccoli
1/2 cup shredded Swiss cheese
1/2 cup chopped celery
1-3 cup chopped pared carrot
1 teaspoon salt
1/8 teaspoon pepper

Beat eggs with milk. Add tuna, broccoli, cheese, celery, carrot, salt and pepper; mix well. Turn into baked pie shell. Bake in 350 degree oven for one hour or until tip of knife inserted in center comes out clean. Let stand 10 minutes before serving. Yield: 6 servings.

MINUTEMAN ASPARAGUS EGG MEDLEY

6 hard-cooked eggs, sliced
2 cans (15 ounces each) asparagus spears or 1 1/2 pounds fresh asparagus, cooked
1/4 cup butter
1/4 teaspoon salt
2 cups liquid (asparagus liquid plus milk)
1 cup shredded pasteurized process cheese
1/2 cup corn flakes

Toast, split and toasted English muffins or rice, optional

Drain asparagus, reserving liquid; set aside. Melt butter, blend in flour and salt. Cook, stirring until mixture is smooth and bubbly. Stir in reserved asparagus liquid and milk all at once; heat to boiling, stirring constantly. Boil and stir mixture until it is smooth and thickened. Remove from heat; add cheese, stirring until melted.

In greased 2-quart casserole, alternate layers of reserved asparagus spears, egg slices and cheese sauce. Sprinkle with



Luscious tuna-vegetable-cheese filling is baked in a crunchy pastry crust of whole wheat flour, wheat germ and sunflower seeds. In terms of nutrition and flavor, it's terrific! Easy on the finances, too! Canned tuna does a lot for inexpensive "stretcher" foods.

corn flakes, completely covering eggs. Bake in preheated 350 degree oven 15-20 minutes or until hot and bubbly. Serve over toast, split and toasted English muffins or rice. Serves 6.

MOLASSES COOKIES

Grated raw yam is the surprise ingredient.

2 cups unsifted flour
1 teaspoon baking powder
1/2 teaspoon baking soda
1/4 teaspoon salt
1/2 teaspoon ginger
1/2 cup margarine
1/4 cup sugar
1 egg
1/2 cup molasses
1 cup finely grated pared raw yam, not packed down
1/4 cup buttermilk

Thoroughly stir together flour, baking powder, baking soda, salt and ginger. Cream margarine and sugar; beat in egg. Add molasses and yam. Stir in flour mixture alternately with buttermilk until batter is smooth (except for shreds of yam). Drop by heaping teaspoonfuls, a few inches

apart, onto greased cookie sheets. Bake in a preheated 375-degree oven until browned — about 8 minutes. Remove to wire racks to cool. Makes almost 3 1/2 dozen. This is a soft cookie with strong molasses flavor.

EGG AND ANCHOVY SANDWICHES

A sophisticated filling

4 hard-cooked large eggs
8 drained flat anchovies, from a 2-ounce can
1/4 cup mayonnaise
1 to 1 1/2 teaspoons lemon juice
White pepper to taste
Lettuce, leaves or shredded
8 thin slices bread

On a dinner plate with a fork mash the eggs fine. Mince anchovies and add to eggs with mayonnaise, lemon juice and pepper; mix well. Make 4 sandwiches of the bread with the egg filling and the lettuce. Cut each sandwich into triangular halves. Garnish with pimiento-stuffed green olives in small lettuce cups. Makes 4 servings. Bread may be buttered if you like.

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Q. What is the name of this meat?

A. Ground pork.

Q. Where does it come from? How is it identified?

A. Ground pork is prepared from boned fresh picnics, blade Boston roasts (butts) and trimmings. It is recommended that these meats be ground twice—first through a 3/8-inch plate; then a 3/32-inch plate. A 20- to 25 percent fat content is desirable.

Q. How is ground pork prepared?

A. It can be shaped into patties and broiled, pan-broiled or baked. For broiling, shape into patties about 1/2 inch thick (3 to 4 per pound) and place on rack in broiler pan 3 inches from heat; broil 6 minutes, turn and broil 5 to 6 minutes or until well done. For pan-broiling, shape into patties 1/4 inch thick and panbroil at a moderate temperature 15 minutes, turning occasionally until browned on both sides. Patties also can be shaped 3/4 inch thick, and cooked in a hot oven (400°F.).

RULES FOR ROASTING

For a perfect pork loin roast—tender, juicy and delicious—follow these rules:

1. Place roast, fat side up, on a rack in an open roasting pan.
2. Insert roast meat thermometer so the bulb is centered in the thickest part, making certain it does not rest on fat or bone.
3. Do not add water.
4. Do not cover.
5. Roast in a slow oven 325-degrees until the meat thermometer registers 170 degrees which is well done.

Former Atlantic Resident Tells Of Fruit Trees

(Editor's Note — The following article was written by Ralph Gardner of Lisle, N.Y., a former Atlantic resident).

Living in Atlantic is a far cry from the crowded densities of row-houses and cliff-dwellings in the major eastern centers. Franklin Whitney had a good eye for the people's future welfare. The streets and lots he surveyed in Atlantic allowed living room, breathing space and playground size lawns for children. Atlantic has always been a kind of "garden city."

I wonder if the many Atlantic people who have space for them ever think to plant semi-dwarf fruit trees, grapevines and berry bushes? Budding cultivated varieties on size-controlling rootstocks has opened a whole new world of domestic fruit culture to the home owner. The new semi-dwarf trees can be planted only eight or ten feet apart. The extreme dwarf sizes should be avoided; poorly rooted, they are not hardy and have a short life; the crops are of little value. But semi-dwarf apple trees are now the main choice of professional orchardists. Semi-dwarf apple trees on such rootstocks as Malling VII and MM106 are satisfactory. And the apple choices are fabulous.

Peach trees are small anyway and do not need dwarfing. Both hardy rootstocks and hardy varieties are available: Reliance, Veteran, Prairie Dawn, Redhaven, Cresthaven and Madison, to name a few.

Hardy sweet cherries include the yellow Rainier, Emperor Francis, the red Van, Hudson, Sam and the old Hedenfingen. Good plums and pears are numberless.

There are also virus free berries, and such fine new grapes as the purple Buffalo, Alden, Van Buren, and the white Himrod seedless, often on resistant rootstocks.

No doubt the Department of Pomology at Ames can supply valuable literature and help. I would also suggest the New York Fruit-Testing Association, of Geneva, N.Y. 14456, a non-

profit co-op with a world wide membership.

It grows and supplies at cost, to individuals and professionals alike, a large selection of new "cultivars" as the cultivated types are called. Lavish technical information in the annual catalog is well worth the small cost of membership, and even that is rebated with the first purchase.

Officers of the association are also the heads of the Pomology Department of the New York State Experiment Station in Geneva, famous for scores of new cultivars developed over the past 90 years or so.

This letter is written out of gratitude for many happy memories of early childhood in Atlantic, before automobiles.

Robert Taylor, one of my grandfathers, established the Atlantic Brick and Tile Company on the bank of the Nishnabotna in the 1890s.

The other grandfather, Andrew Gardner, for some years published the Cass County Democrat.

I was born on the northwest corner of Hickory and Seventh in April, 1902.

I was a newspaper reporter, photographer, electrical engineer and technical writer in electronics, but am now retired on a nice hilltop near Binghamton, N.Y.

This letter is a spin-off from a book I am writing, in which there may be some nice things about Atlantic.

Walking for health? Don't step in front of a car.

Amy Nichols, 16-year-old daughter of Mr. and Mrs. Fletcher Nichols, receives February's "Tip of the Hat". She has been a member of the Bear Grove Brownies 4-H Club for six years and this year has added junior leadership to her list of projects. These other projects include clothing, food and nutrition, home improvement, dairy cattle, sheep and child care.

Amy has served as treasurer, reporter, photographer and historian of her club and has served on several committees at the Cass County Fair and county convention.

Amy feels a highlight of her 4-H career was showing her dairy cattle at the Iowa State Fair.

Amy says it's necessary to have junior leaders in the 4-H clubs to help the younger members of the county.

"Four-H is terrific to me," says Amy. "I enjoy it immensely. Of course, it's not always just fun; it's sometimes a lot of working and planning, but I feel any worthwhile organization needs that. I learn



Amy Nichols

a lot being in 4-H. I'm really thankful that I can be a part of such a fun and worthwhile organization. I plan to continuously become more involved in 4-H and spend more and more time helping out in any way needed."

Admiral Dewey lost not a ship or a man when he steamed into

Manila harbor May 1, 1898, and destroyed the Spanish fleet.

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Farmer Becomes Hobbyist

For Christmas in 1969, Holger Karstensen of Atlantic received a rather large gift.

He was living on a farm along Buck Creek north of Atlantic then and was taken by surprise when his son-in-law, Bob Nelson and 14-year-old grandson, Steve, brought a gift that was too big to put under the tree. It was a lathe.

"I wondered what I was going to do with it because I didn't have time for it then."

Karstensen was still farming, responsible for 40 cattle, 100 hogs and chickens.

Besides being busy, he hadn't worked a lathe for more than 50 years and that had been self-taught as he watched his father. Also, the speed of that lathe had been determined by a foot pedal and this one was electrical.

First Project

His first tentative project on the extraordinary gift was making knobs for a record cabinet, but he had little time or incentive to work the lathe while he was on the farm.

The Karstensens moved to town in December, 1970.

His woodworking tools and lathe came with them. He began to repair furniture for friends, who told others of his skill. By the end of a month he had more than he could do.

He used the lathe to make chair rungs and other parts that were missing from the furniture he fixed.

Transition

He was gradually using the lathe more and fixing less furniture. One of the pieces he worked on during that transitional period was a three-tiered corner shelf, each shelf separated from the others by spindles.

"It came in a box, like a jigsaw with pieces missing," Mrs. Karstensen said.

Mr. Karstensen copied pieces that were complete and the antique-looking knick-knack now stands solidly in the dining room holding other pieces he has made.

His health and a hospital stay three years ago made the change complete. He started to use only the lathe, making items for their home, gifts and copying items seen in a store or at a garage sale.

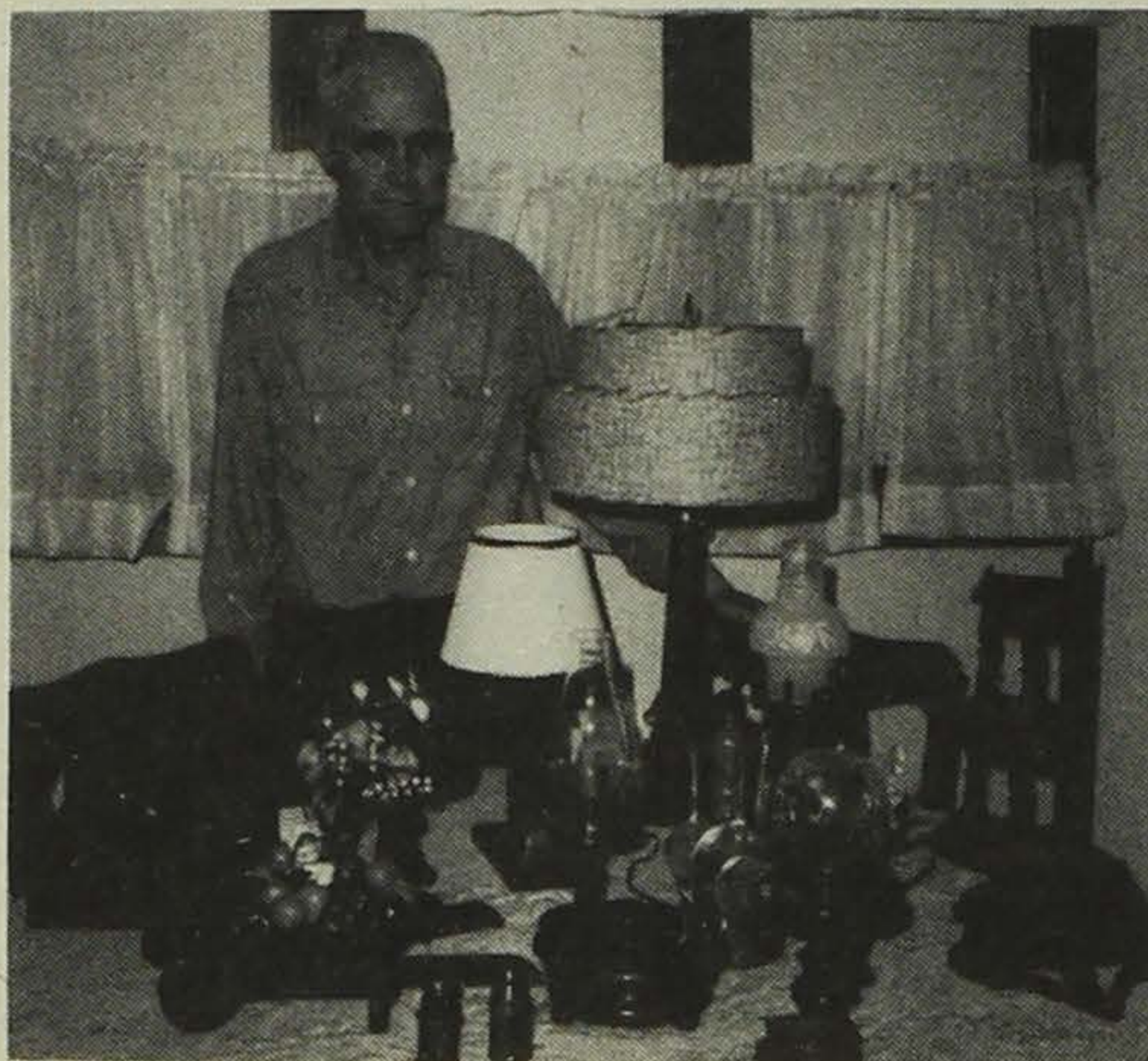
Projects

He's completed nine jewelry boxes, three oak stools, salt and pepper shakers, numerous and varied candlestick holders, knick-knack shelves for the wall, a wheelbarrow centerpiece, lamp bases for lamps he wired himself, ash trays and many more.

He lathed the parts for a



Holger Karstensen working at his lathe.



Mr. Karstensen with display of items he has made.

spinning wheel that is now at the Ralph Hancock home and found time to teach Mr. Hancock how to use the lathe.

"I don't need a pattern. You ask me to turn something, I can do it," he concluded.

WATER LEAKS ARE COSTLY

Water leaks on your side of the water meter cost more than you would imagine, says the Midwest Water Resources Council.

A leak as small as 1-16 inch will cost the user \$28.24 for one month to pay for the 21,600 gallons of water wasted.

This is based on a water rate of \$1.31 per thousand gallons and 40 pounds of pressure.

A 1/8 inch leak at \$1.159 will cost \$125.15 per month; a 1/4 inch leak at \$.959 will cost \$259.05; and 1/2 inch leak at \$.863 will cost \$837.49.

Iowa Farmers To Plant More Corn, Less Soybeans

The Jan. 1 planting intentions indicate Iowa farmers expect to plant more corn, oats, and sorghum but less soybeans. If current intentions materialize, corn acreage would be at a record high, two per cent above 1975. Oat acreage would also be up two per cent, and sorghum up 25 per cent but soybean acreage would be down three per cent.

Acreage actually planted this year may vary from these early intentions as the effects of weather conditions, availability of fuel and fertilizer supplies, labor supply and the economic situation influence farm decisions. The effect of this report may also influence the final acreage planted.

The soil moisture outlook for the 1976 planting season in early November was not as favorable as it was prior to the 1975 planting season. Moisture supplies currently are below the long term average over a large part of the State. Some north central and south central counties are at or above average.

Corn growers expect to plant a record 13.40 million acres of corn for all purposes, two per cent more than the previous record acreage of 13.10 million acres planted in 1974 and 1975.

Intended soybean acreage for 1976 at 6.80 million acres is three per cent less than planted in 1975 and 13 per cent below the record 7.80 acres planted in 1973.

Corn growers intend to plant 80.82 million acres of corn for all purposes in 1976, about four per cent more than 1975. Soybean plantings are expected to total 50.92 million acres, about seven per cent less than planted last year.

Cass County Historical Events

By MRS. FRANK BERRY

Noble Township

Noble Township was a part of Edna Township until June 11, 1870, when Cass County was reorganized. It is legally Township 74 north, Range 36 west, and is located in the south tier of townships and the second tier from the west county line.

The warrant for the first election of township officers was issued to T.G. Davis. The election was held at the No. 1 school house in October, 1870. U. Daft, H.G. Liston and William E. Buckley were elected trustees and J. Shields, clerk. The population in 1870 was 395.

Highway 71 crosses the township from north to south on the center Section line. Highway 92, comes from the west to 71, then turns north with 71 out of the township.

The Mormon Wagon Trail crossed several sections in the northeast corner of the township.

Noble township is drained by Seven Mile Creek, Three Mile Creek, Rose Creek, (which rises in the north part of the township) and the West Nodaway River.

Noble township was prairie with very little timber except along the streams. The land is rich and fertile.

First Permanent Settlers

John Rose was the first settler to come to Noble Township to make a home, arriving in 1855. During the winter of 1857 Mr. Rose went to the mill at Lewis to have wheat ground. It was a very cold day and he was wearing a heavy scarf around his neck. In some way the scarf caught in the gears of the mill, drawing Mr. Rose so tight against the machinery that he choked to death before the mill could be stopped.

Melton Smith came in 1857 and was the second settler to take up a claim and make improvements.

Uriah Daft with his family and household goods went southwesterly from Ripon, Wis., looking for a location to make their home. They came to Noble Township Oct. 18, 1850. He liked the area, staked out a claim in Section 28 and built a cabin, which was the second one in the township.

Thomas Davis also came in 1858, purchasing 80 acres in Section 33.

The first German settlers coming to Noble township with their families were Joseph Weirich, Henry Ackerman and Henry Schwarzenbach in the fall of 1869. Henry Ackerman purchased 160 acres of land in Section 27 for \$6 an acre.

First School

The first school in Noble was held in a cabin in the southeast quarter of Section 28. Mary Hardenberg was the teacher.

The Weirich Cemetery is located in the northeast corner

of Section 15, Joseph Weirich donated one acre of land to be used for that purpose. The first burial was the infant son of V.J. Weirich in December, 1871.

St. John's Cemetery is located in the northwest corner of Section 15.

Early Churches

The German Evangelical Association of Noble township held its first meeting in the home of Christ Knoke in 1870. Services were held in the different homes for a while, then later in the No. 5 district school. The services were in the German language for 34 years. Rev. William King was the first pastor.

Newlon's Grove Baptist Church was organized Jan. 17, 1882, by the Rev. C. Brooks, at the home of J.T. Martin in Section 12. Later services were held in the district No. 1 school.

St. John Evangelical United Brethren Church was organized at the home of Christ Miller in 1872. The first meeting was held there with Rev. William Buhning as pastor. It is now St. John's United Church of Christ.

Post Office

The first post office in Noble Township was the Edna Post Office which was moved to Newlon's Grove without changing its name. It was closed Oct. 10, 1872, and opened on the same date as Newlon's Grove Post Office with H.S. Liston as postmaster.

Later Cyrus Newlons served as postmaster, then Samuel Newlon, H.S. Liston and Robert Magarell. The latter moved the office to his home in Bear Grove Township and it was discontinued Nov. 16, 1875. Newlon's Grove Post Office was reestablished May 31, 1877, and closed for good June 23, 1880.

Wax Post Office was located in Section 20. It was established July 29, 1891, with William Kreitzberg Jr., as postmaster. It closed March 20, 1899.

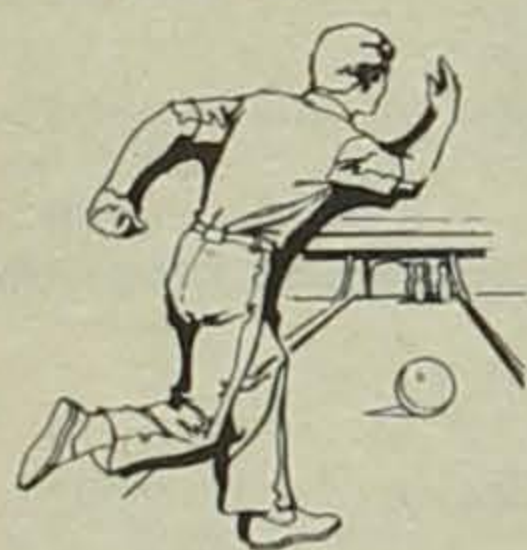
Lyman Post Office was established Dec. 19, 1884, with Lewis H. Canard as Postmaster and it was closed Nov. 22, 1888. On Sept. 26, 1889, the office was reestablished and discontinued Sept. 20, 1902. The post office was reestablished June 5, 1914, and closed the final time on Nov. 30, 1916.

Lyman

Lyman is located in Sections 3, 4, 9 and 10. Lyman moved to a new location when the Atlantic Southern Railroad was built through the township about 1911. When the railroad was taken out, it moved back to its former location.

Early Settlers

Early settlers and the year they came to Noble township: 1855, John Rose; 1857, Melton Smith; 1858, Uriah Daft; 1859, James Edwards; 1864, Evans J. Shields; 1866, Wm. Smith; 1867, J.G. Davis; 1868,



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Calendar Features History Of Iowa's Common People

Kool-Aid was invented at Lewis in 1914, by Jake Ross, a Lewis druggist. The price of corn fell so low during the 1890s that many Iowa families burned corn instead of coal for fuel. One of every 10 Iowans fought in the Civil War, the highest per capita percentage in the nation.

These and other Iowa facts mingle with recipes, pictures of Iowa people and events from the 1820s to the 1960s, information about weather and plants, and statements from early newspapers to form an easy-reading 1976 heritage calendar about Iowa called Deep Roots. The calendar cover shows pupils of the Asbury rural school in Wright Township, Pottawattamie County, at a class picnic on the last day of school in 1899.

Among the pupils are Minnie Conklin Snyder and Hattie Conklin Thomson, both of Atlantic; Ralph Conklin, a Griswold resident who died last June; Addie Madden DeWitt, former Griswold librarian who lives in Griswold; and Stella DeWitt McKay of Griswold.

Other calendar pictures are of children, old men, families, the West Branch Tomato Queen and farmers trying to persuade another not to bring his produce to market in support of a farm strike.

Recipes

The recipes include Danish fruit soup; corn cob jelly; milk soup; haluske, a Czechoslovakian dish combining noodles and cottage cheese; and others found in early women's club cookbooks.

The purpose of the calendar, according to Beth Ann Conklin, who did the research and writing, was "to uncover and present the heritage of the common people in this state."

Miss Conklin, a native Iowan with family ties in the Griswold and Massena areas, is a senior history major at Colorado College at Colorado Springs, Colo.

Her father, Dr. Dwight Conklin, was reared on a farm near Griswold and is the son of Mr. and Mrs. Ralph Conklin. His mother, Mae Conklin, lives in Griswold.

Miss Conklin's mother is Willa Charlene DeWitt Conklin, who was reared by her uncle and aunt, Mr. and Mrs. Charles D. Croghan in Griswold.

The author's interest in the project was ignited by a heritage calendar for Minnesota. She began with hopes that the proceeds from the calendar would equal the money she would have made had she chosen to work over the summer.

Local Heritage

She began by reading books on Iowa history, but decided the emphasis was "governors and the Civil War hero type of history rather than local heritage."

Furthering her research with old newspapers, pictures, diaries, letters and the like at the Iowa State Historical Society in Iowa City and the state archives in Des Moines, she tried to "focus on people."

The end result was the Deep Roots calendar which she believes shows "the basic patterns that shaped history, paved roads, flu epidemics and most significantly, communities doing together the things that had to be done."

She chose a calendar rather than a book as her format because, "People won't read it, close it and forget it. They'll have to turn to it once in a while."

Pork Has New Image In Meal Planning

An old-time favorite has a new image — pork.

According to Ann Norman, director of consumer relations with the National Pork Producers Council, Des Moines, Iowa, the best thing about today's new pork is that it not only tastes good, but it's good for you.

"Today's pork comes from lean, meaty animals," Miss Norman explained. "Much leaner than the porkers of yesteryear. And, as the porkers have become leaner, the relative amounts of protein and other important nutrients have increased proportionately."

Miss Norman said the idea that pork is hard to digest is just a myth.

The improvement in pork's leanness and nutritional value is a matter of improved production techniques on the farm. Hogs are bred leaner and their diet is based on a feed program utilizing scientific information on nutrient requirements. Scientists say that along with the improved feeding and breeding, farmers produce a very nutritious animal.

Today's porker attains maturity earlier and has developed less fat. There is less fat covering and less seam fat (the fat between the muscles). And, any excess fat cover is trimmed by the meat processor and retailer long before the pork reaches the consumer.

"Pork is an excellent source of B vitamins — thiamin (B1), riboflavin (B2), B6 and B12," Miss Norman said. "As a matter of fact, pork is the richest known food source of thiamin."

B complex vitamins are necessary to the body for the production of energy. They also help maintain a healthy nervous system, good appetite, healthy skin and aid in the digestion and assimilation of food.

Pork is full of high quality protein containing all the essential amino acids necessary to build, maintain and repair body tissues. High quality protein also increases resistance to infection and disease.

Pork is also rich in the mineral, iron. Iron teams with protein to play a vital role in the formation and maintenance of red blood cells and the prevention of anemia.

Foods are divided into four basic groups — the meat group, milk group, vegetable-fruit group, and bread-cereal group — according to their major nutritional contributions to the diet. These basic food groups serve as a guide to planning nutritionally adequate meals on a daily basis.

Two or more servings per day is recommended from the meat group. An important food in the meat group, pork is a major source of many essential nutrients. For example, two three ounce servings of lean cooked pork contribute these percentages of the recommended dietary allowances for a 22-year-old man:

Protein, 90 per cent; iron, 60 per cent; thiamin, 117 per cent; Riboflavin, 27 per cent; niacin, 37 per cent; phosphorous, 51 per cent; vitamin B6, 35 per cent; vitamin B12, 62 per cent.



Solar Energy Program Started

Anthony Janovicz holds ladder as his daughter prepares to examine a solar energy unit installed on the roof of their Norwich, Conn., home. Pilot solar energy project is

believed to be the first in the nation by a municipal-owned utility. Project will test the economic feasibility of heating domestic water by solar energy. (AP Wirephoto)

Harpo The Light Collector Has

An Illuminating Hobby

By Tom Hallman
Drake University
Journalism Student
(Distributed by the Iowa
Daily Press Association)

"Let me tell you about a friend that I know, runs a pretty wicked light show ... let me tell you who I am talking about. I am a fluorescent collector, I make my rounds every day and night." — Ray Hutchinson of Dubuque.

DUBUQUE — What do most people do with old light bulbs? Throw them away? Not 25-year-old Ray Hutchinson of Dubuque. Hutchinson, who was nicknamed Harpo by friends, is a fluorescent light collector — as far as he knows the only one in the world.

He started collecting in 1969 and he said he still has fixture No. 1 somewhere among the 4,500 fluorescents that fill the basement of the Iowa Inn where he works.

Blind in one eye and partially blind in the other, Hutchinson said he began collecting because he has a great respect for light.

Choice Items

He finds fluorescents, as he calls them, by searching alleyways and old buildings. This constant vigil has paid off with what he calls a few "choice" fluorescents. He found one in the basement of an old hotel and later found out the bulb, complete with brass incaps, is no longer made by General Electric.

Although his collecting is limited to Iowa, he has bulbs that are made in other countries. His most unusual looking bulb is a U-shaped fluorescent that is used in buildings with dropped ceilings.

He considers his most valuable fixture to be a 30-year-old fluorescent made by Champion, a company which he said sold out to American Telephone and Telegraph Co. Hutchinson "files" his fluorescents by type and age in boxes, which is not easy considering some of his lights are 8 feet long.

All of the bulbs he collects

are used ones, and he doesn't keep lights that won't work unless they are unusually old or one-of-a-kind.

Although he sells some of his more common lights to businessmen in parts of Dubuque, he said his fluorescents have no value except to him, and he doubts anyone would ever want to buy one of his unusual bulbs.

Since 1969 Hutchinson estimated that he has collected more than 50,000 light bulbs. This includes standard screw-in-the-socket bulbs as well as fluorescents. He said he has a system for keeping track of how many bulbs he has collected. On Jan. 1 of each year his count begins at one.

Hutchinson said he might try to enter his collection in the Guinness world record book, but first he is going to get the figure of his collection "astronomically high so the chances of catching me are tough." He added that he once contacted a major lighting company concerning his collection but nothing ever came of it.

He said he doesn't break many bulbs considering the number he has, but he was vandalized once. "Somebody broke in and destroyed about 200 fluorescents, but none of the old ones was broken."

Would he like to work with lights and lighting? "Sure I would," said Hutchinson. "But there is a problem, I'm handicapped and I don't think anybody would hire me. Also, I wouldn't want to move. I have a lot of friends in Dubuque; everybody knows who you mean when you say 'Harpo, the light collector'."

Classification

Hutchinson said he can walk into a lighted room and tell what fixtures are being used. He also has developed the ability to classify bulbs by feeling the endcaps, since he said each company's fixtures have slight variations.

Fluorescent lights now are pre-heat rapid start types, said Hutchinson. This makes some

of his older lights one of a kind. He said he would like to "dream something up" with lights and lighting that would benefit people. He added that people will often ask him for advice on what kinds of lights to use.

Hutchinson has even written a song about fluorescent light bulb collecting, part of which is paraphrased above the beginning of the story. The last lines of Hutchinson's song make clear just how devoted he is to collecting.

"Ain't gonna quit collectin', ain't no way. Probably be holdin' one on my dyn' day."

IOWA FARM CROPS EARN \$4.2 MILLION

Value of Iowa 1975 farm crops, including fruits, seeds and commercial vegetables totaled \$42 million, eight per cent less than the 1974 value of \$45 million.

Corn value accounted for 62 per cent of the total value, soybeans 26, hay eight, and oats 3 per cent. These four crops made up 99 per cent of Iowa's crop value.

Iowa ranked third in total crop value preceded by California, the leading state, with crop values of \$5.1 million and Illinois second with \$4.9 million. Iowa, California and Illinois accounted for 26 per cent of the nation's crop values.

The value of corn produced in Iowa was \$2.6 million and soybeans had a value of \$1.1 million.

PURSE WITH \$13,000 LEFT IN TAXI CAB

A visiting German couple arrived at a Chicago hotel, only to discover they'd inadvertently left \$13,000 behind in the cab.

Peyer Biddulph, an antique musical instrument salesman from London, told police he was on a five-day business trip to several U.S. cities when the purse, containing \$11,000 in German marks and the rest in U.S. currency, was misplaced.

The purse also contained his passport, airline tickets and credit cards, Biddulph said.

A BICENTENNIAL CELEBRATION OF FRESH FRUITS AND VEGETABLES

By
The United Fresh
Fruit And
Vegetable Association

1869 First Refrigerated Car

A number of crudely insulated cars appeared in 1865, but no principle of ventilation was developed until four years later. It was a Chicagoan, Washington Porter, who pioneered the use of refrigeration for the supply of fresh fruits. In 1869 he ordered the first refrigerator car of bananas from the Pacific coast. The following year, grapes and vegetables were introduced to the off-season Chicago market via refrigerator cars from the California slope.

It is important to note here that the availability of fresh imported fruits and vegetables on this continent at all was due to the increased regularity and speed of sea transportation. With the advent of steam propulsion, schedules could be more accurately established. The produce of remote regions could be introduced into the domestic market seriously.

1876 American Centennial Yes, We Now Have Bananas

Americans fell in love with bananas from their first and rare exposure to the versatile and nutritious fruit in the early nineteenth century. Occasionally a daring sea captain and fair winds would converge, and New Orleans, New York, or Boston would get a special treat in a limited cargo of bananas.

Still considered exotic, but more available due to improving sailing ships and railroads, the banana made its official American debut in 1876 at the Centennial Exhibition in Philadelphia. There the banana, wrapped in tin foil and selling for ten cents apiece, rivaled the telephone as a chief curiosity. Large, regular shipments of bananas to the U.S. market were possible by the end of the nineteenth century. The Costa Rican railroad was built and the nimble "mosquito" fleet carried the bananas from the Central American coast to our ports. The "mosquito" fleet was so named because of the record setting speed with which the sleek sailboats made their voyages. In addition, the Miskito tribe which inhabited the Atlantic Coast of Nicaragua was mistakenly referred to as the Mosquito tribe by Europeans.

1880 Ice Making Plants Established

The ice that supplied early refrigerator cars in this country was sent from the north to cool produce on its trip from the south during the winter. The first patent for compression process ice-making was granted to John Dutton of Aston, Pennsylvania in 1846. It was not until the 1880s, though, that efficient ice-making machines were established in the United States. Of course, their popularity and importance were quickly recognized. The census of 1870 records only four ice-making plants. By 1880 there were 34 plants — mostly in the south, and in 1890, 222 plants were counted.

By the 1870s, internal lines of supply had developed significantly, and regular coastwise steamship lines

assured a reasonably plentiful source of citrus and other fruits. At times there was an abundance of oranges, lemons, pineapples, plantains, bananas, and grapefruit — though in 1870 this last selection was somewhat unpopular on account of the then numerous seeds. It was known as the forbidden fruit.

1890s Tropical Fruits Imported By Ship

Towards the end of the nineteenth century there was still romance and wonder attached to the importation of tropical fruits. The pineapple, for example, retained its West Indian symbolism of hospitality. Sailors, who saw that island natives put the tops of the palmy plants over their doorways as a welcome sign, carried the habit home. They commonly carved the appealing pineapple motif on mahogany they had collected while in tropical ports. These mementos of peaceful hours at sea were then used as bed or newel posts, or in other settings where the welcoming sign of the pineapple would be appropriate.

1890 Mushroom Growing Grows

Mushrooms have been the subject of legend for centuries. The first record of their cultivation appears to have been made in France during the reign of Louis XIV (1638-1715). Mushrooms developed as an American commodity in the latter part of the nineteenth century near New York City. In 1890, greenhouse operators near Kennett Square, Pennsylvania started to grow mushrooms in the unused spaces under the greenhouse benches. Soon, area farmers were cultivating mushrooms in idle space in barns and cellars. The industry is still concentrated in the Kennett Square region. Natural caves and those formed by quarrying are also used as mushroom growing environments around the country.

Celery Establishes Market

Railroads, too, helped to introduce entirely new and strange foodstuffs to the ever expanding American diet. Particularly charming is the story of the early introduction of celery. Long used as a decorative garden plant in Europe, four varieties of celery had been adapted to the American climate by 1806. Then, however, celery was used for ornamental or medicinal purposes — or not eaten at all. In 1856 celery was first cultivated by enterprising (Dutch or Scottish?) immigrants in Kalamazoo, Mich. Recognizing the refreshing, crunchy appeal of the vegetable, some gardeners offered the stalks for sale to railroad passengers when the steam trains were at the station. As the popularity of the vegetable grew, a friendly conductor offered to put cases in general stores along the line. Soon orders for celery were coming back to Kalamazoo. A commodity market was born.

The variety of fruits and vegetables available to Americans was regularly enriched during the nineteenth century by the waves of vegetable and fruit melting pot immigrants that came to our shores seeking freedom and opportunity. Each group brought dietary touchstones with its national culture.

While the Statue of Liberty welcomes the tired, hungry, and poor it is truly amazing that the welcoming country can generally provide new arrivals with familiar foods as well as an array of new tastes.



Old Scene in Exira

This picture was taken on Exira's main street more than 50 years ago. Identity of the man with the horse and buggy is not known.

1899 Italians Establish Artichokes In California

The concentration of French settlers around New Orleans was responsible for important food introductions. In addition to popularizing the tomato as a food, the French also stimulated acceptance of the artichoke, starting in 1806. By 1899 the Italians had established the artichoke in California. Since then, this curious thistles' popularity has crisscrossed the nation.

1923 Broccoli Commercially Grown

Similarly, broccoli, a wonderfully nutritious vegetable, has just recently become a common food. Though broccoli has been cultivated privately in the United States for over 200 years, it has only been grown commercially since 1923. In fact, the introduction of broccoli as a commodity was one of the industry's first uses of radio advertising. Having made limited shipments to eastern markets from their farms in Santa Clara Valley, Calif., from 1924 to 1928, the D'Arrigo brothers instituted advertising on a co-operative radio program in Italian and space in some Italian language newspapers. Development of the broccoli industry was rapid.

Another commodity that had relatively recent market development is lettuce. As has been mentioned, lettuce was a popular garden vegetable with the earliest colonists. But commercial expansion, especially in California, has come about since sophisticated irrigation; quick, cool transportation, and a passionate demand for salads have stimulated the industry.

Market Development

It is important not to forget the farmer-producer when considering the apparent whirlwind growth of demand for fresh produce that developed during the latter half of the nineteenth century. Any, "I can sell all I can grow," illusions were apt to be met with the new and often harsh realities of commodity marketing as it differed from the more prosaic but calculable truck gardening. The farmer's cart to farmer's market pattern that initiated commodity selling in the nineteenth century had implicit qualities of ready observation, communication, and even familiarity between grower and purchaser. As soon as a market more than a day's wagon ride away from the farm developed, that producer-consumer relationship vanished. Fur-

thermore, as long as cities were reaching out for goods, distribution of produce was simple: ship to the city. But as the entire country became a potential market garden for the cities, speculative production became inevitable. Producers sought markets where previously markets had sought supplies.

Although this change made life more precarious for the farmer, the consumer was bound to benefit as quality and dependability would give certain producers a competitive edge. Corollary to the issue of distribution to hungry markets is the hard reality that eager markets take what they can get. Buyer's markets pick and choose, selecting the best of what is available. Furthermore, it is still true that the best quality of any fresh fruit or vegetable on the market when the supply of that particular variety is abundant. So during the harvest period of any commodity, competition will be extremely keen — and prices to the consumer will be relatively low.

Commission Merchant Solves A Problem

Distribution of commodities passed from producer to commission merchant. As soon as markets furnished outlets for wagon loads of goods, the commission merchant emerged naturally. His service was to be a ready point of sale for the producer and a ready source of supply for the retailer. In this setting, the producer was still very close to the market situation. Early in this development, a farmer would see his goods being sold immediately after he unloaded. Consequently, the commission merchant fills a real need.

As markets and transportation developed, the notion of wholesale developed. The word origin helps to convey the nature of the business: speculators would buy entire crops of commodities such as apples or potatoes for resale during the winter. Wholesalers specialized. They needed adequate storage space, sufficient cash to pay for stock, and a canny sense of the future market to justify their risk and produce a profit.

1905 The 'Fresh System'

The "fresh system" was really in its flowering by the time wholesalers were well established. There developed other factors, however, which have assured Americans of the vast variety and high quality of produce that is taken for granted today. Quality control and standardization have

evolved.

Since its founding in the early 1860s, the U.S. Department of Agriculture has conducted research and offered assistance to farmers throughout the country. By 1905, a system of crop reporting was instituted so that supplies could be controlled and the sorrowful situations of a glut of one product, a shortage of another, could be avoided. Having helped farmers to determine what they would plant, the strides in weather prediction contributed to the important decisions of planting and harvesting schedules. Farmers across the country were accustomed to "poking a cat's whisker" at the crystal of their expensive radios and listening intently through earphones to hear the latest broadcasts of crop information and weather reports.

Over time, the growth of the "fresh system" has produced some complexities for the farmer. With each new problem, though, an answer which stands to improve his productivity, his product, and his life has been found — either through the ingenuity of the American farmer himself, or by farmers, distributors, and government agencies working together. And the ultimate favor has always been accrued by the consumer, who now has choice from among nearly a 100 different fresh fruits and vegetables all year round.

1776-1976

The American Farmer!

No matter how refined the fresh system becomes, no matter how sophisticated our ability to judge demand and distribute supply may get, the ultimate wonder rests with the producer. Amid the fickle quirks of Nature, the American farmer manages to get his crops in the ground. The Lord wills. And within the natural elasticity that must be accorded living things, such as fresh produce, the markets offer up a wide and affordable variety for all Americans to share. The fresh system is historic. It is American, and it works. Numberless are the world's wonders, but none More wonderful than man; the stormgray sea Yields to his prowess, the huge crests bear him high; Earth, holy and inexhaustible, is graven With shining furrows where his plows have gone Year after year, the timeless labor of stallions.

—Sophocles
Translated by
Dudley Fitts &
Robert Fitzgerald

An Economical Erosion Control Practice

By Bill Willis,
District Conservationist

Contour stripcropping is attractive. Stripcropping is an economical erosion control practice. It is 50 per cent more effective than contouring alone. Stripcropping is an important conservation practice to control soil loss on sloping land.

Contour stripcropping with its alternate strips of rowcrops and oats or hay provides a most attractive addition to any landscape. In July when the corn strips are dark green and the oat strips are golden yellow, stripcropping appears very pleasing to the eye. Those eye-catching, contoured bands of contrast are attractive, and also effective for controlling soil erosion.

Contour stripcropping is a very economical erosion control practice because there is virtually no cost involved. The alternate strips are laid out by personnel of the Soil Conservation District at no charge. There is no earthmoving involved in stripcropping. Stripcropping, just like planting on the contour, costs nothing but causes a dramatic reduction in soil loss.

Contour stripcropping is 50 per cent more effective in controlling erosion than contouring alone. This is true since only about half of any slope is used for rowcrops where stripcropping is practiced. When a slope is contoured only, the entire slope is in rowcrops. Stripcropping is a very useful conservation practice when there is a need for both hay and grain production.

Stripcropping is a valuable conservation practice to manufacture nitrogen. If the hay strips are used for alfalfa, nitrogen production is taking place that will be available for corn when the strips are rotated. Farmers are becoming more concerned about producing nitrogen naturally through legumes instead of buying nitrogen in commercial form. Stripcropping could provide a logical source of legume producing nitrogen.

Stripcropping requires that a crop rotation be adopted and followed. The effectiveness of a crop rotation coupled with stripcropping can be illustrated in the following example on Sharpsburg soils on eight per cent slopes with a rotation of two years corn, oats, and two years of alfalfa:

Management Practices	Soil loss
Spring plowing, no conservation	8.4 T.-Ac.-Yr.
Spring plowing, contoured	5.0 T.-Ac.-Yr.
Spring plowing, stripcropping	2.5 T.-Ac.-Yr.

In the above example, several conclusions can be made:

1. Only one combination will control soil loss to the



maximum allowable limit of 4.0 T.-Ac.-Yr. — Stripcropping plus spring plowing.

2. A management system that will control soil loss can be adopted with no cost to the landowner in this particular situation.

3. Nitrogen manufactured from legumes will be available for corn production by following the rotation with stripcropping.

Contour stripcropping is an attractive, economical, and effective erosion control practice that lends itself to the man who wants grain production as well as hay production. Stripcropping becomes a reality on the land as a result of a commitment by each landowner to control erosion. Stripcropping along with a planned rotation can effectively control erosion when it is practiced on the land.

WRONG PLACE

An elderly New Jersey man "sweetened" the weight of a bundle of newspaper he sold by inadvertently leaving \$365 in rent and Christmas savings in the pile.

George May, 74, discovered after he had received \$2.84 for the papers, that his wife had placed the savings in the pile for safekeeping.

May recovered all but \$54 of the lost money after he contacted the newsprint recycling plant and told the management there of his plight. Though the papers and bank notes already had gone through a shredding and de-inking process, the remains of \$311 were recovered from a 20-foot shredder and de-inker.

The Garden State Paper Co. sent a check for the full amount recovered to the couple.

Soil Covering Can Reduce Erosion

Corn stalks and bean and milo stubble left on the soil surface over winter can play an important part in reducing soil loss. If a large amount of residue can be left on the surface from harvest through planting the following spring, soil loss can be lessened.

Crop residues intercepts falling raindrops instead of the soil surface. The amount of energy expended on a square mile of land is estimated to equal the energy released by 10,000 tons of TNT when a total of 30 inches of rainfall is received. That same rainfall on one acre is equal to the force of 15-16 tons of TNT.

The value of residue left on the soil surface is realized when the falling raindrop hits the stalks and stubble instead of the soil surface. The effectiveness of minimum tillage on reducing soil erosion is directly proportional to the amount of residue left on the field.

Soybean Field

An undisturbed soybean field left over the winter will yield about 1,500 pounds of residue per acre. A good corn crop will leave about 6,000 pounds of residue following the combine. Fall grazing of crop fields or any type of fall tillage will reduce the amount.

Minimum tillage equipment that leaves residue on the surface includes the chisel plow, offset disk, field cultivator, and several types of no-till planters. If used properly, any of these machines will leave crop residues on the surface. The effectiveness of erosion control on a typical situation on an eight per cent slope in contoured continuous corn with 66 per cent coverage with residues can be summarized as follows:

Pounds of residue	T.-Ac.-Yr. Soil loss
1,500	16.9
2,000-3,000	11.6
3,000-4,000	8.7
4,000-6,000	6.3
6,000 plus	4.4

Under the same conditions with fall plowing soil loss would be 19.8 tons per acre per year. Fall plowing results in more soil erosion than even the least effective minimum tillage system.

Minimum Tillage

Minimum tillage in combination with other erosion control practices such as terraces can reduce soil loss to within tolerable limits. The no-

till systems that leave up to 90 per cent soil coverage of residue are even more effective.

Leaving the trash on the field even after planting is no longer an indication of a poor farmer. Compared to clean plowing in the fall, minimum tillage shows that the landowner really cares about his land. It shows that he recognizes the importance of residue to intercept falling raindrops to reduce soil loss. It also indicates that he recognizes that less trips over the field are required.

Costs Of A Bride Goes Sky High

Gold coins, together with a camel, sheep and about \$3,500 in cash, used to be the price a man had to pay for a bride in Libya.

The gold coins have now been replaced by a new car in addition to the camel and sheep, but in the new, inflated oil-economy, the cash payment has risen to \$12,000. In the upper brackets, gifts of \$35,000 in cash are not unusual, according to Associated Press writer Hilmi Toros.

Libya now receives \$5 billion a year in oil income, pumping cash into the economy which was nonexistent a few years ago. Those who still cannot afford a Libyan wife go to Egypt and Tunisia, where the price is still a modest average of around \$200; however, these countries have no income from oil.

The inflated price of wives had led to a campaign by the government, which recently denounced fathers "who sell their daughters like camels." One of the many posters displayed in Tripoli, the country's capital, declares that "Marriage is a bond of steel, not money."

The Muslim religious leader in Libya occasionally appears on television to argue against spiraling marriage costs.

Gold coins formerly formed the bulk of the cash payment for a bride in the Middle East, from Turkey to Egypt, and all of North Africa. Now, not enough are available, and inflated paper money has replaced them. Despite this, the Libyan monetary unit has risen 20 per cent in value against the U.S. dollar since 1970, due to its oil backing.

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A good way to get chewing gum out of a child's hair without cutting it is to soak a piece of cotton in baby oil and rub it over the hair until the gum comes out.

THANK YOU

Please accept this as a personal "Thank You" to each and everyone of you for all the concern you have expressed to us during the recent loss of our loved one. Your prayers, visits, phone calls, food, cards, flowers and memorials have helped so much to lighten our heavy hearts. We thank God for each one of you.

The Family of
Bob Andersen
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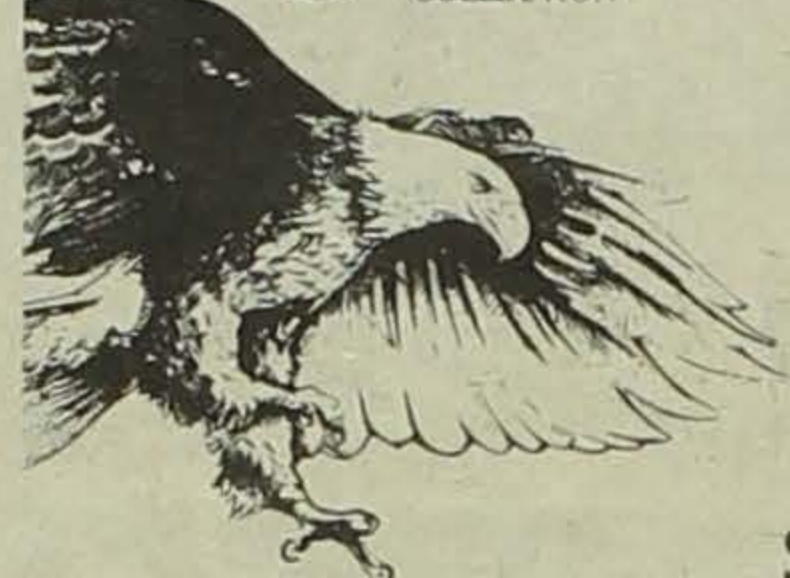


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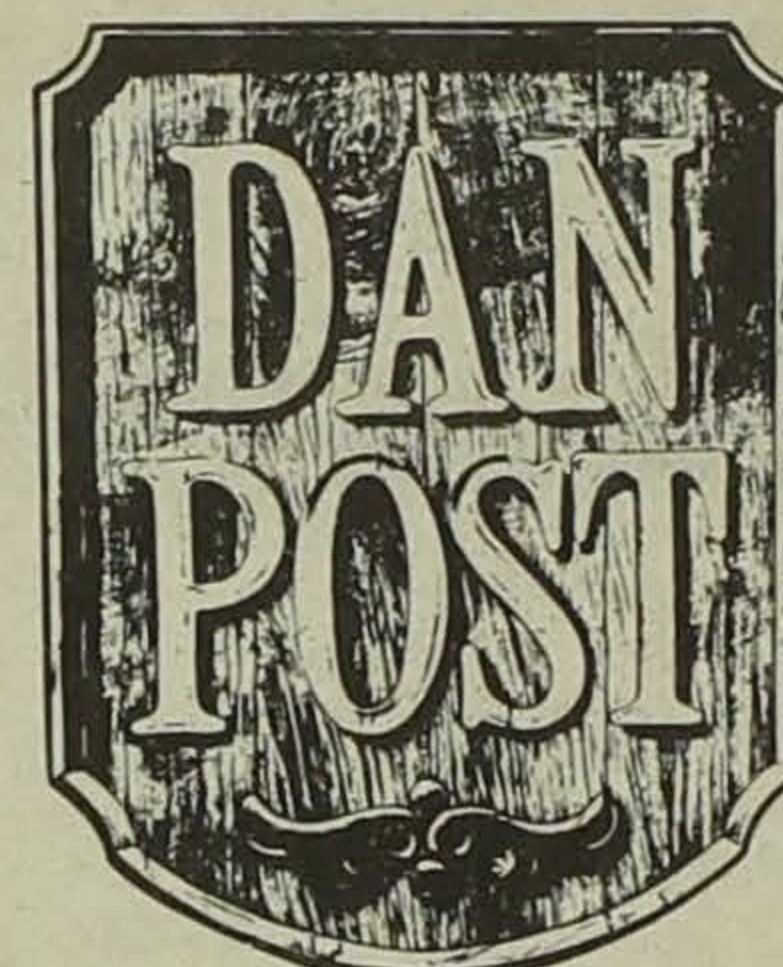
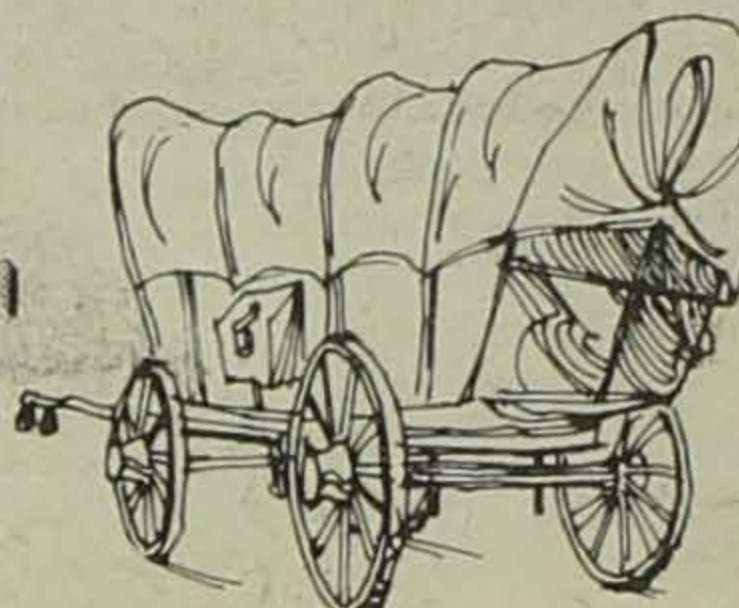
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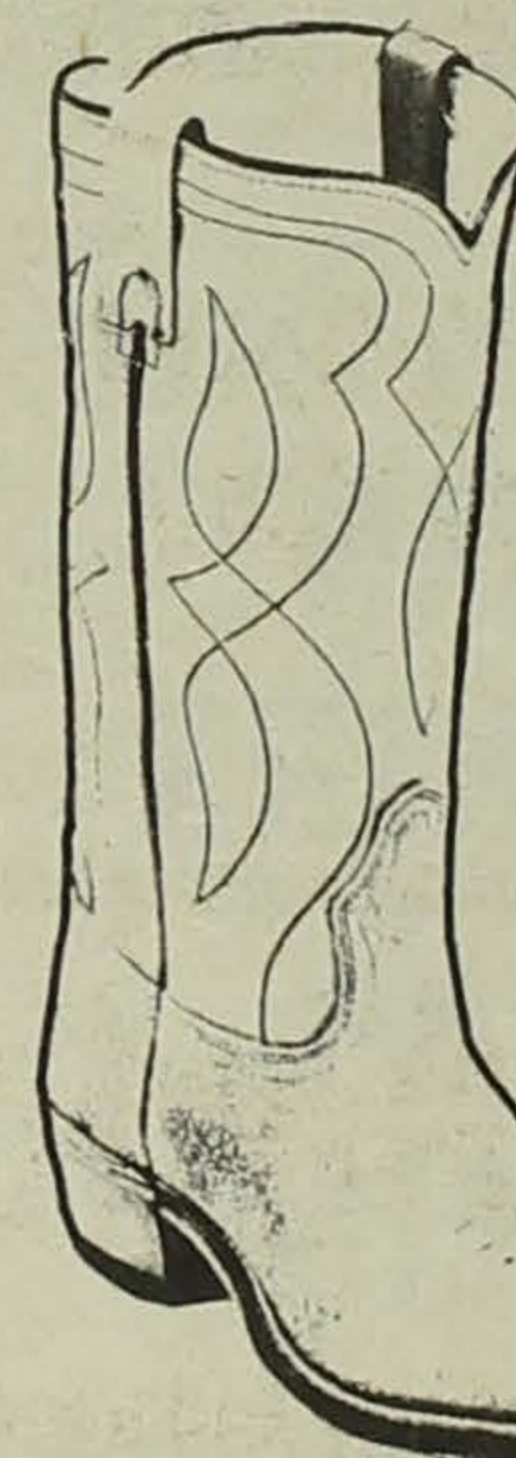
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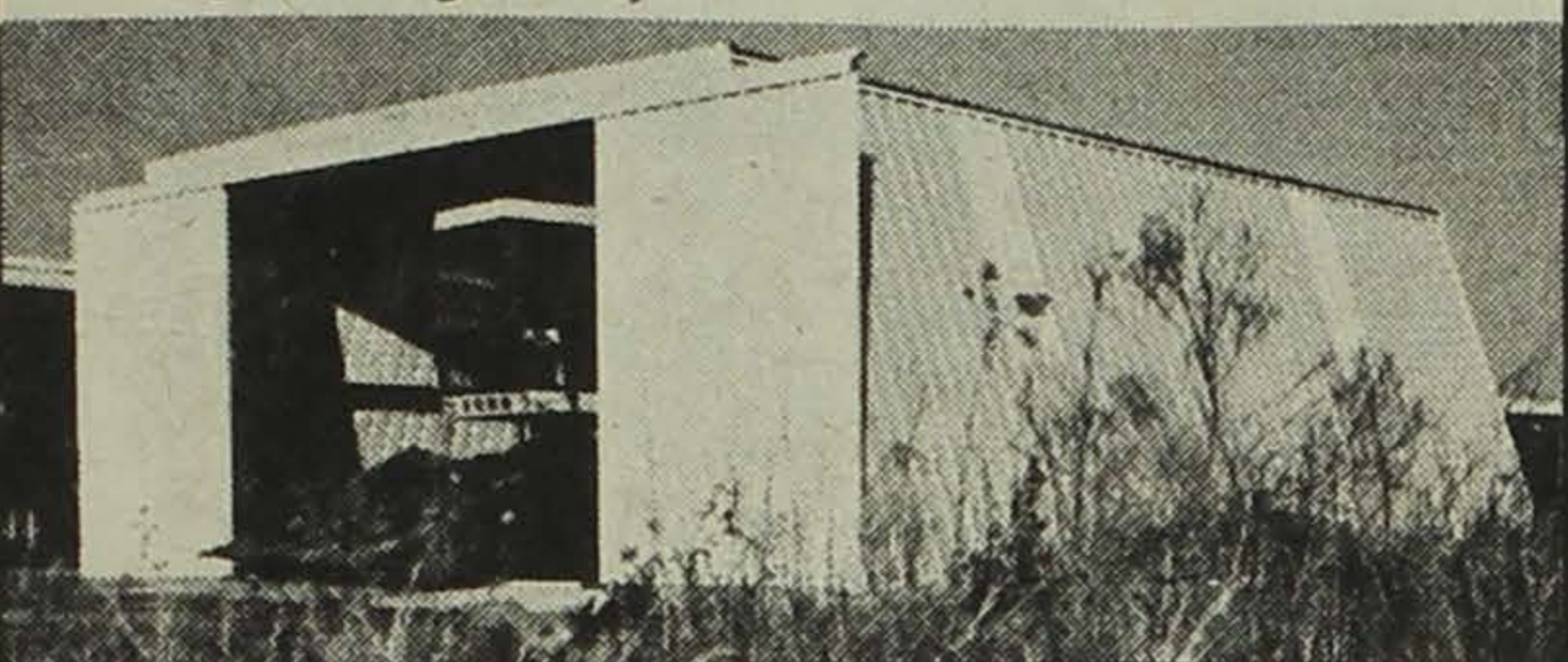
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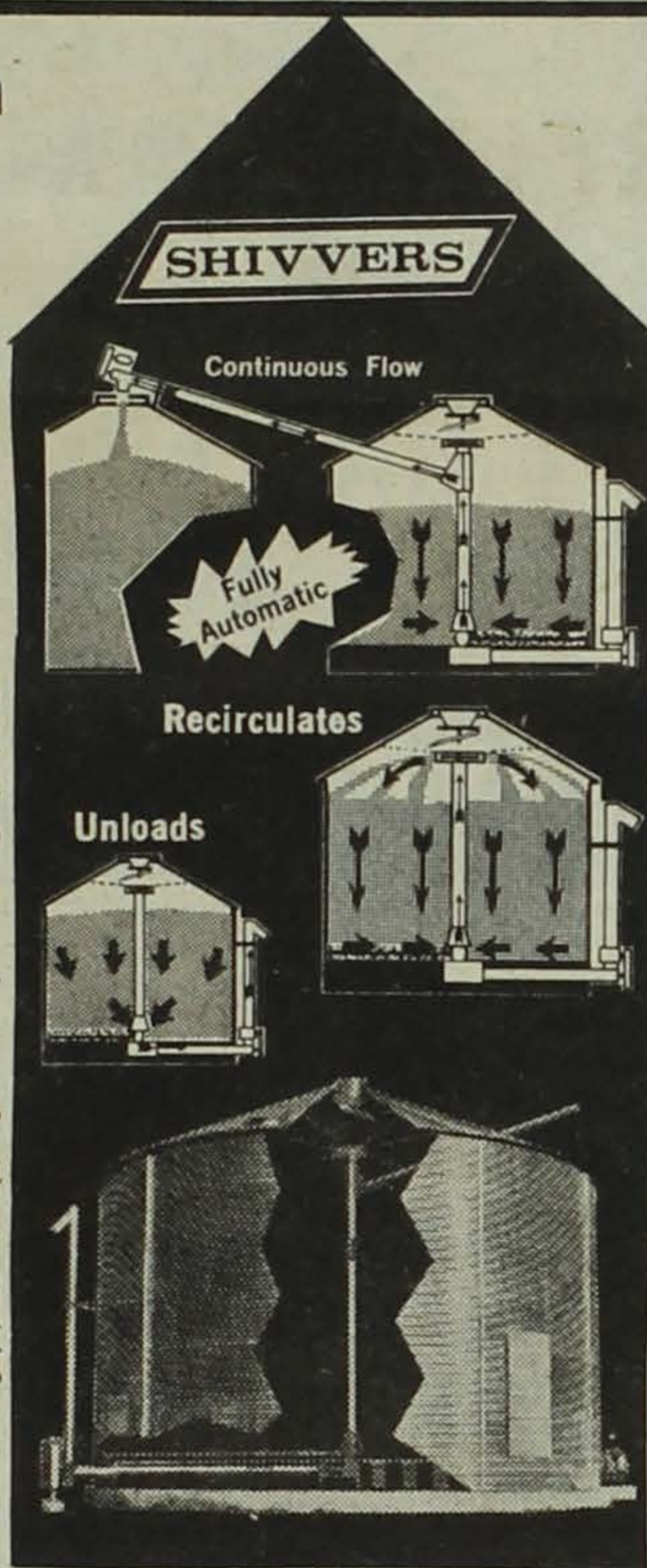
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Extension Echoes

By
Mrs. L. Fay Eblen
Cass County
Extension Home Economist

Study the Past

The Bicentennial — where is its meaning? To many advertisers, it means another possible theme to promote a product. Even though you may be tired of hearing "buy-centennial" this year can be a meaningful experience for your family.

Preschoolers may see it as the nation's birthday. Primary school children might understand that it involves our country's growth and change. Older boys and girls may recognize their heritage.

By studying their country's and family's pasts, children can gain a sense of continuity. They may understand "growth" — moving out of one set of circumstances and into another. Such an awareness can help children learn to adapt future changes.

To help educate children in their relationship to the past, parents can involve the youngsters in learning projects. Old photographs, clothing and toys help illustrate growth and change. Toys from the past, or just memories of playthings, can be shared between generations. Perhaps you could recreate those games or toys grandma enjoyed.

Older children, aged nine through the teen years, may appreciate working with grandparents. The elders can pass on memories of household chores and crafts — quilt, butter and soap making. This way, children will learn not only about a craft, but WHY it was done and WHAT it meant to an earlier family.

Heirlooms

Bits of old lace tucked into drawers, family documents filed in boxes and quilts stored in trunks — bring these heirlooms out of hiding. Create your own Bicentennial display.

Pieces of old lace, still in good condition, can be stitched to a pillowcase edge or used as matting around a mirror. If the lace is colored, use a dark background to make the heirloom stand out.

If the lace is old and fragile, you may want to put it on display, rather than use it functionally in your home. For the best effect, display it with a simple, but elegant, background material. Use velvet or stain linen with coffee for a mellow look. Usually, this kind of display is not covered with glass unless elements in the air might harm the lace.

If you have quilting to display, mount it in front of a soft fiber filling.

Old family documents — land deeds, immigration papers, diary pages, etc. — could be put under glass. If you wish both sides of the document to show,

mount it between layers of plexi-glass. Another way to display documents is to decoupage them. This involves mounting them on wood and shellacking the surface of your display.

Colonial Cookery Updated

There is a renewed interest in early American foods. But great-great-grandmother's recipes and those old cookbooks may be tough to decipher.

The colonists didn't have cookbooks at first. Recipes were handed on from mother to daughter. Women learned recipes by watching others cook.

When recipes were written down, measurements weren't standardized as they are today. Instructions may have included "butter the size of an egg," "four handfuls of flour" or "a teacup of water." Measuring utensils varied in size.

Besides these hit-or-miss calculations, some old recipes may be unsafe by modern standards, especially those for canned or preserved foods. Years ago little was known about bacteria or sanitation and many foods spoiled.

The following recipe for Sally Lunn Bread is given first in a colonial version, then updated and adjusted for our measurements. The origin of the bread is unclear. But the name "Sally Lunn" may have come from an English girl who sold bread in the streets crying, "Solet lune!" to advertise the buns. ("Soleil-lune" — French for sun and moon — described the golden tops and white bottoms of the buns.)

Old Sally Lunn Bread (1770)

Beat four eggs well; then melt a large tablespoonful of butter, put in a teaspoon of salt and teacup of yeast (this is potato yeast); beat in a quart of flour making the batter stiff enough for a spoon to stand in.

Put it to rise before the fire the night before. Beat it over in the morning, grease your cake-mould and put it in time enough to rise before baking.

Should you want it for supper, make it up at 10 o'clock in the morning in the winter and 12 o'clock in the summer.

(from Charlotte Court House, Virginia)

Modern Sally Lunn Bread (1964)

1 cup milk
1 package active dry yeast or 1 cake compressed
½ cup (1 stick) butter
1-3 cup sugar
3 eggs
4 cups sifted all-purpose flour
1 teaspoon salt

Heat milk until a film forms. Skim. Cool until lukewarm, then sprinkle in the yeast to dissolve. Meanwhile, cream the butter until soft, then add sugar gradually and continue mixing till smooth and fluffy. Beat the eggs into the butter and sugar. Sift flour and salt together. Beat in the flour and the milk mixture alternately. Cover dough with a towel and set in a warm

place until it doubles in size. Beat very hard and pour into a greased Turk's head or gugelhupf mold or a 10-inch tube pan. Let rise again until double in size, then bake in a preheated 350 degree oven for 45-50 minutes or until nicely browned on top.

Write It Down

History slips away every day. But the Bicentennial offers an opportunity to do some of those things you meant to do in the past.

For grandparents, it can be an excellent time to share memories — maybe some they haven't thought about for a while. Grandchildren and other youngsters may be curious about customs of the past. Now's the time to write them down.

Oral histories recorded on cassette tapes are a fast, efficient way to record memories. Writing, perhaps in letter form, is another. A great uncle might talk about what it was like to run a farm in the early 1900s. Grandma could write about her first reactions to Iowa when she moved here as a young girl. These tapes or papers can be compiled in order and passed through the generations as a gift.

Another way to "record" family history is to sort through and organize all the old pictures and home movies that may be lying around. Make an attempt to catalog your family documents.

There is value in being aware of your family history. People are more comfortable when they know where they have been because they can relate that to where they are going. A family history also gives a sense of belonging — both to the present and past generations. Awareness of our personal social history can make us proud of who we are and perhaps make us happier with life.

Historic Costuming

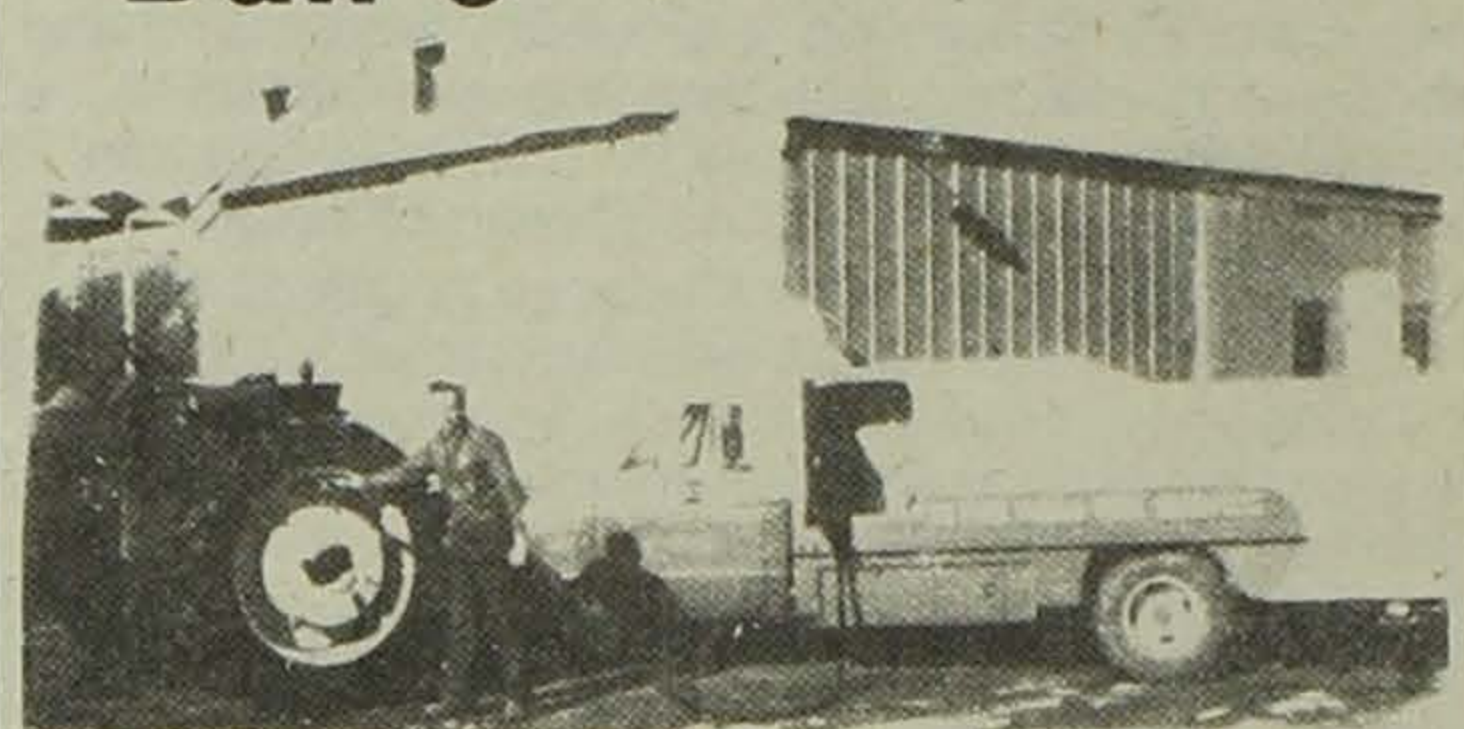
If you plan to make historic garb for that Fourth of July party, that town celebration or school play — check with the pattern companies. Their books carry patterns for men, women and children. Designs range

from fancy ballroom styles to everyday wear.

To help make the costume authentic, consider what purpose the clothing served. For frontier women, clothes were functional. A warm, one-piece dress, a plain shawl and apron often served as daily attire. Homespun fabrics were used originally, so you may wish to select hopsacking or a textured woven material with nubs or slubs in the weave. Solid colors too are more authentic — yellows, greens, browns, or blues. For a dressier version,

choose striped or floral chintz fabrics.

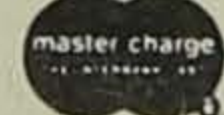
Frontier men wore homemade fabrics too. Linsey-woolsey, a heavy linen and wool combination was worn for its warmth and strength. Colors were natural: off-whites, beiges and browns. Shirts often were similar to unbleached muslin. Many men would purchase leather breeches because they were durable and difficult to sew in the home. To recreate these breeches, you might select a suede-like fabric, brushed denim or a sturdy woven material, like duck.

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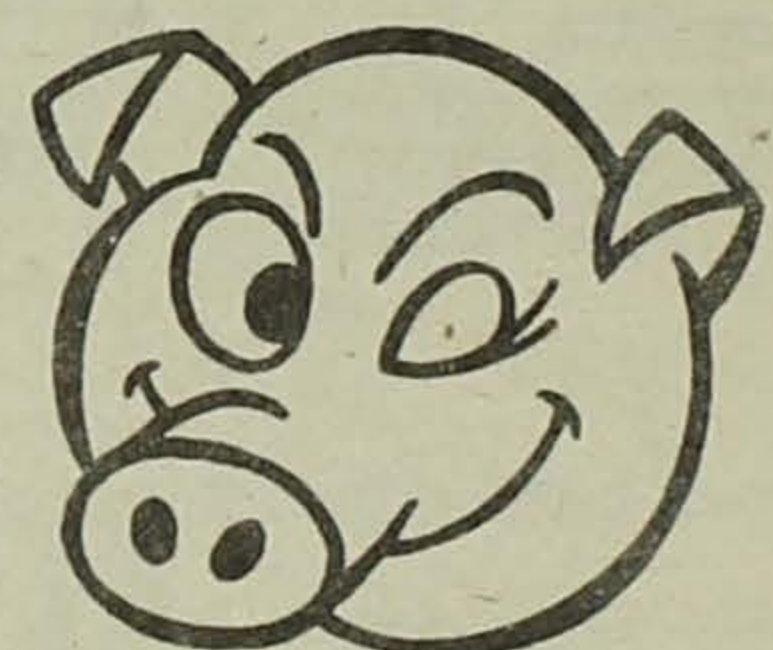
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J.D. 1250 plateless 6 row 30", insect., seed sensors; J.D. 1250 plateless 4 row 38", insect.; J.D. 1240 plate type, dry fert., insect., herb., large corn boxes; J.D. 1240 plate type, compaction runners, insect., covering knives; J.D. 495A with liquid fert., insect., herb., compaction runner; J.D. 494A with insect, dual wheels; J.D. 495A with dry fert., insect, acra plant runners, acreage counter; J.D. 494, with d.f., noble ins. and covering knives; (2) J.D. 494, with d.f., and ins. attach; J.D. 494 with ins. attach; (2) J.D. 494; I.H. 8 row bean planter; (2) sets of 4 rows fluted coulter attach.

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J.D. CCA 14' pull type field cult.; J.D. 740 20' springtooth with hyd. fold complete cylinders & hoses; J.D. F100 28' 3 bar field cond.; Crust Buster 24' 2 bar field cond.; Midwest 20' disk harrow with DK 400 mtgs.; Midwest 15' disk harrow with DK 400 west 5 bottom harrow (Plow); 2 Emmert springtooth harrow for corn planter; Triggs planter springtooth harrow; Noble hyd. 7 section drawbar and cart; J.D. 4 sections tine tooth harrow; Selection of plow harrows, harrow sections & eveners.

DISKS

J.D. BW 13'10" with 18 blades; J.D. AW 13'10" with 18" blades; Crust Buster 14 1/2' folding double offset with 24" blades; Hutchmaster rolling plow disk 14', sgl. offset 24" blades; (2) Kewanee 13'6"; Oliver 14'.

RAKES

J.D. 594 H. whl, 4 bar; David Bradley lo. whl., 4 bar.

HARVESTERS

J.D. 38' 70, with 2 row cornhead, 1000 pto; J.D. 35 F. Harv. with 1000 PTO, 1 r. screen, 2 row corn head; (2) J.D. 12 chopper with 1 row corn head and hay pickup att.; (2) I.H. 550 with 2 row corn head; I.H. 550 with 2 row corn head and hay head; J.D. 1 row corn head for 12 chopper.

BALERS

J.D. 14T; New Holland 67.

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J.D. 400; Farmhand; Helix; Henke Roller Mill.

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(6) J.D. T4 and 40 4 row cultivator with 3010 — 4020 mtgs.; AT 46 4 row with shields and mtgs. for wide front 3010-4020; I.H. 461 with shields and mtgs. for super M; M.F. 141, 4 row, f.m. with shields and quick tach mtgs. for IH 706; A.C. f.m. 4 row with mounts for D17 tractor; Oliver 4 row f.m. 440.

CORN PICKERS

J.D. 237 with stalk ejectors and elev. ext.; J.D. 237 with stalk ejectors; (2) J.D. 227 with lube; I.H. 2MH with grease bank and mtgs. for "M"; A.C. 190 mtgs. for WD45 or D-17.

SHELLERS

(3) J.D. 50.

SPRAYERS

J.D. 25 with cent. pump; Big Butch trailer type with 110 gal. lined tank, 8 row boom and 8 roller pump.

SPREADERS

J.D. 40 with PTO drive and truck tires; Hawkbilt 200 flail; New Holland 125 bu. with PTO drive and truck tires; I.H. 200 two whl., grd. drive.

WAGONS

(3) Heider 7x12 box with high sides and spring hinged tail gate, with JD 1065A running gear and Midwest hoist; Central 7x14 box with Westendorf running gear and IH hoist; Heider 6x10 steel box with Westendorf running gear, hoist; (3) 6x10 barge boxes with hoist and running gears; (2) I.H. running gears; A.C. 8 ton running gear; David Bradley running gear; J.D. 953 running gear with 9.5Lx15 tires, solid bolsters; J.D. 953 running gear with 9.5Lx15 tires, 7x12 box and hoist.

Lawn & Garden Tractors & Equip.

(4) J.D. 110 tractors 8 H.P. with 39 mowers; (2) J.D. 56 riding mowers with 28" cut.; M.F. 12 tractor hydrostatic with 42" mower; Lawn Lion 8 H.P. with 36" mower; Snapper 7 H.P. with 30" mower; Brindley cultivator; Brindley Plow.

Miscellaneous

Used Equipment

Hesston Stak Hand 10 1 1/2 ton stacker; Radson moisture tester; Jet 3-point post driver; Hesston Stakmover 10; Single wheel trailer with bumper hook'up; Continental post digger; I.H. 2A Pull type crimper; Hiniker cab, with heater, for 4020; Year-A-Round cab for 3020; Century power washer; J.D. canopy for roll gard; Wheatley 3-point hydra boom; 19-6" portable auger; Femco wide front with hubs for 3020; 18.4x34 clamp on duals; 12.3x38 clamp on duals; Front rockshaft for 720; Front rockshaft for 4020; Continental 3 pt. post hole digger 9" auger; Behlen 500 dryer with Dodge clutch; J.D. liquid fert. att. for J.D. 494A planter; Set of 15.5x38 tires (Firestone).

LOADERS

J.D. 45 with bucket and blade — 3010 mounts; J.D. 45 with bucket and J.D. 60 counts; J.D. 45 with I.H. mounts and hydra bucket; J.D. 45 with bucket, dirt plate and mounts for 620; J.D. 60" manure bucket with tines for 148 loader.

HOES

(5) J.D. 14 4 row hoes with 3-pt. hitch; (3) J.D. 14 4 row hoes with cable hitch; J.D. 14 6-30" rows with cable hitch.

VEHICLES & TRAILERS

CJ3A 1950 Jeep with front blade and full cab; 1959 Chevy 2-ton truck with 13'6" box and twin cylinder hoist, '76 plates; 1970 Dodge 100 1/2 ton pickup with power steering, auto. trans., power brakes, air cond.; J.D. '74 Double snowmobile trailer.

GOOD BUYS

Westgo spring tine cultivator 4 row with sweeps, 2 coulters; King field cultivator 18' with hyd. fold gauge wheels; J.D. 1240 plateless planter, compaction runners, insect. and Midwest planter harrow; J.D. AT40 4 row 38" cultivator with rig mounted shields; Henke H12 Kwikmixer feed wagon 240 bu. capacity with scale; Henke ear corn crusher and roller mill 27" roller with hydra elev. and blower; Oswalt ensiloader mounted on Farmall "H"; Little Giant model A conveyer with electric 1 H.P. motor; Ag-Chem pull type sprayer model 402, 500 gal. stainless steel tank, 8 row boom, cnt. PTO pump, hand gun, 3 position valve; Hutchinson 6" top drive 48' auger with hopper; J.D. three point rear rig cultivator.

NEW EQUIPMENT

J.D. F145 5-16" Plow with 20" coulters; J.D. 84" Blade for 48 Loader; J.D. Elevator ext. for 237 Picker; Pickup Truck ramp (tail gate); J.D. 3 point hitch tool bar mast; J.D. fenders for combine (6600); J.D. fenders for 400 grinder mixer; (3) Year-A-Round 3 pt. quick couplers; (2) Harlan 3 pt. hydra fork bale carriers; Tri-Star 3 pt. 4x8 hog carriers; J.D. 520 sprayer with cent. pump and 8 row boom; Brady 700 4-bar 7' chisel plow; Big Ox I-60 8'3" Pt. blades; Big Ox farm blade 8'; Big Ox farm blade 6'; Big Ox Hydra Blade 8'; Snow Co Auger; Schwartz 1600 Loader with 84" bucket and 4020 mounts; Westgo 8 row wide hydr. fold 3 pt. cultivator; J.D. 609 3 pt. rotary mower (demo); Walsh 200 gal. 3 pt. sprayer with 8 row boom; Brent 360 gravity box with J.D. 1065 A running gear with 11.6x15 8 ply tires; M & W 165 gravity box with 8 ton gear and tires; M & W 375 gravity box with 12 ton gear and brakes; Dohrman 7x12 box with 84" sides with J.D. 1065 A gear, 11.6x15 tires and Midwest WH-7 hoist; J.D. 7x12 box ext. for J.D. box.

NELSON EQUIPMENT, INC.

Kenneth Gridley, Auctioneer



Church Bell Choir Rings Out Happy Memories

Bells. Everyone has a memory of bells. They ring in the new year or mourn death. Sleigh bells. Christmas bells. Edgar A. Poe's "Tinnabulation of the Bells."

Ernest Hemingway's "For Whom the Bell Tolls." Bells throughout the world, in small Alpine villages and large American cities, chimed the message "peace" at the end of World Wars I and II.

In Atlantic, the First United Presbyterian Church bell choir, is joining the historic association of churches and bells, giving those who listen an experience of sound that will not soon be forgotten.

They proclaim no universal message or hope, but they offer a precious moment of pleasure and, perhaps, internal peace.

Directed by Mrs. Walter Lyon, the 10-18-year-old members of the junior and senior bell choirs are beginning to understand the music of the Schulmerich Hand Bells.

Occasional Prod

The smallest choir members don't read music, relying heavily on memory and a prod from someone older for some cues. Some of the older choir members begin the practice sessions with thoughts on friends and school rather than music and bells. However, before long, they are immersed in the beauty of the sounds they are making.

The 20 members of the choirs each work one or two of the bronze bells and each bell emits one note. The challenge is unifying the sound of many bells, worked by many hands into a single unified musical phrase.

The bells, whose note is determined by size and thickness, aren't simply picked up and rung back and forth as did the towncriers of old. Mrs. Lyon tells choir members to hold the bell as if it were full of water and to thrust it in such a way as to not spill the water.

The idea for the Atlantic choir was prompted by the Des



Bell ringers — front row, left to right, Amy Kay, Annette Smith, Darla Dunshee; middle row, Nina Hetrick, Nancy Johnson; back row, Steve McDermott, Peter Goetzmann, and Terri Cook. Zina Schuttloffel was not present for the picture.

Moines YMCA bell choir and a Des Moines church that has a bell choir. The Y bell choir has performed in Atlantic and has toured Europe.

Starter Set

The Atlantic church purchased a starter set in the fall of 1974 through a memorial fund made up of many donations for the purpose. Literature about the bells states there are 26 steps in the production of each to assure a clear tone.

The children handling the bells, wear gloves to prevent the acid from their hands damaging the bells. To dampen the sound, they touch the bell to their shoulders.

A song from the bell choir is constant movement as one after another picks up, rings then dampens the bell he or she is working. Together, the seemingly random movements, produce song.

According to Mrs. Lyon, the bell choir tries to perform once each month at a church service with special programs at Christmas and Easter. She said they have not performed outside the church, but as their repertoire expands, she hopes they will be able to do so.

PURSE SNATCHER OVERLOOKS \$11,000 IN WOMAN'S BAG

A thief's carelessness blunted the edge of loss in Chicago recently for Mrs. Stanislaw Jelinski. Planning a trip to her native Poland to visit her son, Mrs. Jelinski had withdrawn the savings of a decade, from her bank several weeks ago. She carried this sum in cash in a big black bag, along with her passport, airplane ticket and personal papers.

After her original flight was canceled, the 67-year-old Chicago woman was the victim of a purse snatcher as she walked along North Elizabeth St. Described to police as a "slender young man," he knocked Mrs. Jelinski to the sidewalk before running off with her bag.

An unidentified citizen found the bag in an alley about a block from the scene of the theft and took it to a nearby bar to see if any of the regulars of this establishment might know the owner.

The alert bartender promptly telephoned the police, who delivered the bag to Mrs. Jelinski's apartment. Although the passport and papers were gone, along with a loose \$800 in bills, the \$11,000 was found intact at the bottom, protected by its wrinkled brown paper wrapping, which the thief had ignored.

PENSION PLANS

The number of persons enrolled in pension plans administered by life insurance companies has more than doubled since 1965, reports the Institute of Life Insurance. Just over 7 million were enrolled in 1965, compared with 14.3 million at the start of 1975. The figures include those already receiving pension benefits, those who have left employment with vested pension credits, and those still actively at work.

HAMS IN HISTORY

Ancient Romans and Chinese are known to have produced special hams far back in the pages of history. In fact, it's said that the first "country" hams were processed by the Romans in Gaul. In China, where wild hogs supposedly

were first domesticated around 2900 B.C., hams were cured in a yellow wine brine, smoked over tea leaves to add exotic flavor, and dried in the wind. Curing and smoking of meat became highly developed practices because these were the only methods for preserving meat.



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10 A.M. to 2 P.M.

Lard-O-Rama Recipes

(Editor's Note — The following recipes were supplied by the Cass County Porkettes.)

FRENCH APPLE SLICES

3 cups sifted flour
 ½ teaspoon salt
 1 cup sugar
 1½ teaspoon baking powder
 1-3 cup lard
 2 eggs
 2 tablespoons lemon juice
 1 tablespoon vanilla
 6 apples, pared, cored, and sliced
 ½ cup butter
 Cinnamon
 Powdered sugar

Combine flour, salt, ½ cup sugar and baking powder. Cut in lard. Beat eggs with lemon juice and vanilla. Stir into flour mixture, blending well. Divide dough in half. Roll one half of dough on floured pastry cloth to fit bottom of 9x13-inch pan. Arrange apple slices on dough; sprinkle with remaining ½ cup sugar and cinnamon to taste. Dot with ½ cup butter.

Roll out remaining half of dough and fit it over top of apples; seal edges against pan; perforate top to allow steam to escape. Bake at 400 degrees for 10 minutes. Serve warm with cheese, cream, or brandied cream cheese (beat 1 tablespoon brandy into softened 6 ounce package cream cheese). Dessert also may be sprinkled with powdered sugar, cooled and cut into bar cookies. Makes 12 to 15 servings.

FRUIT BARS

2½ cups flour
 1 teaspoon salt
 1 cup lard
 1 tablespoon sugar
 Mix as pie crust.
 Beat 1 egg yolk and milk to make 2-3 cup liquid.
 Roll out ½ dough to fit 10x15 jellyroll pan.

Spread 1 cup cornflakes over dough. Slice 4 apples over flakes. Mix 1 cup sugar; 1 teaspoon cinnamon and sprinkle over apples. Roll out rest of dough, place over apples. Beat egg white till stiff, brush top of dough. Bake 1 hour at 375 degrees. Frost while warm with 1 cup powdered sugar; 1 teaspoon vanilla; 1 tablespoon hot water.

MOLASSES CRISPS

2 cups flour
 1 teaspoon soda
 1 teaspoon cinnamon
 ½ teaspoon cloves
 ½ teaspoon salt
 2-3 cup lard
 1 cup sugar
 1 egg
 ¼ cup molasses
 Powdered sugar

Sift dry ingredients. Cream lard and sugar, add egg and molasses beat well. Add sifted ingredients and mix well. Shape in balls and roll in powdered sugar. Bake 15 minutes at 350 degrees.

NEVER FAIL PIE CRUST

Cut 1 cup (heaping) lard into 3 cups flour. In another bowl, beat 1 egg and add 5 tablespoons water; 1 teaspoon vinegar; 1 teaspoon salt. Add this to the dry ingredients and roll out and bake as usual. 450 degrees for 10 to 12 minutes. This makes 4 single crusts.

Waterloo Station is the largest railroad station in Great Britain.



DISCOUNT SALE

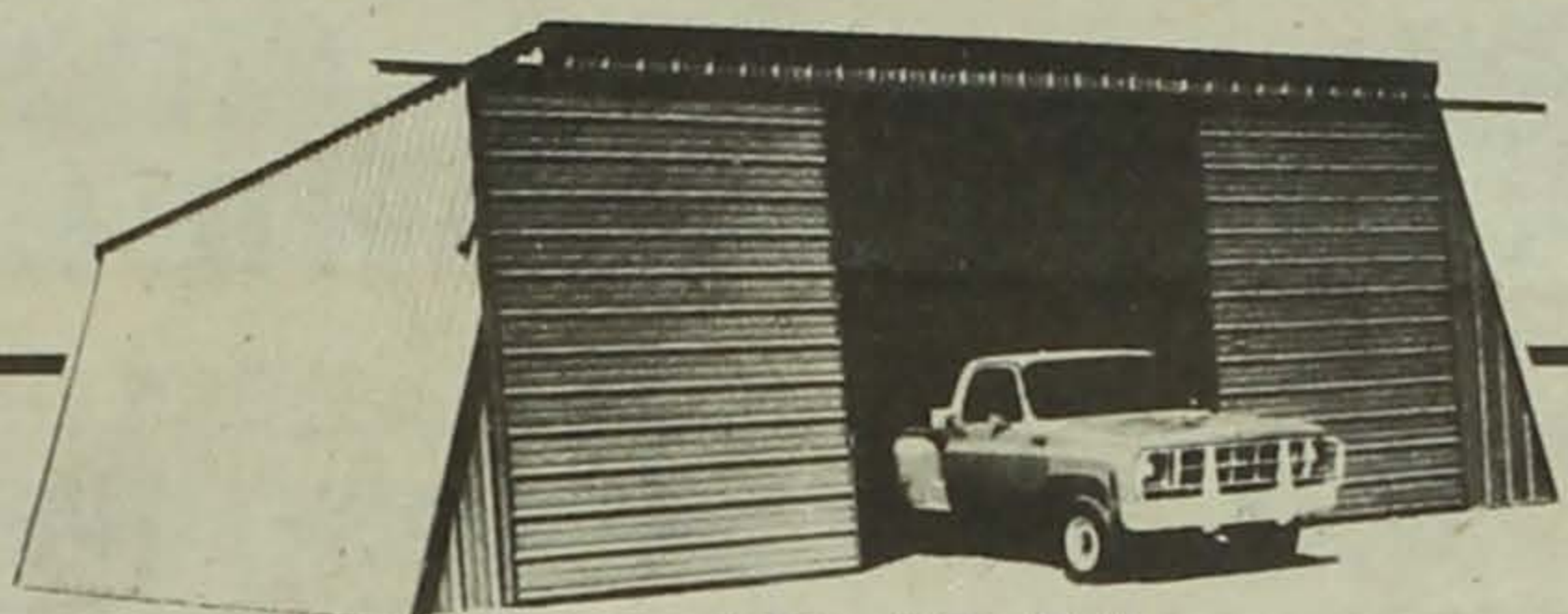


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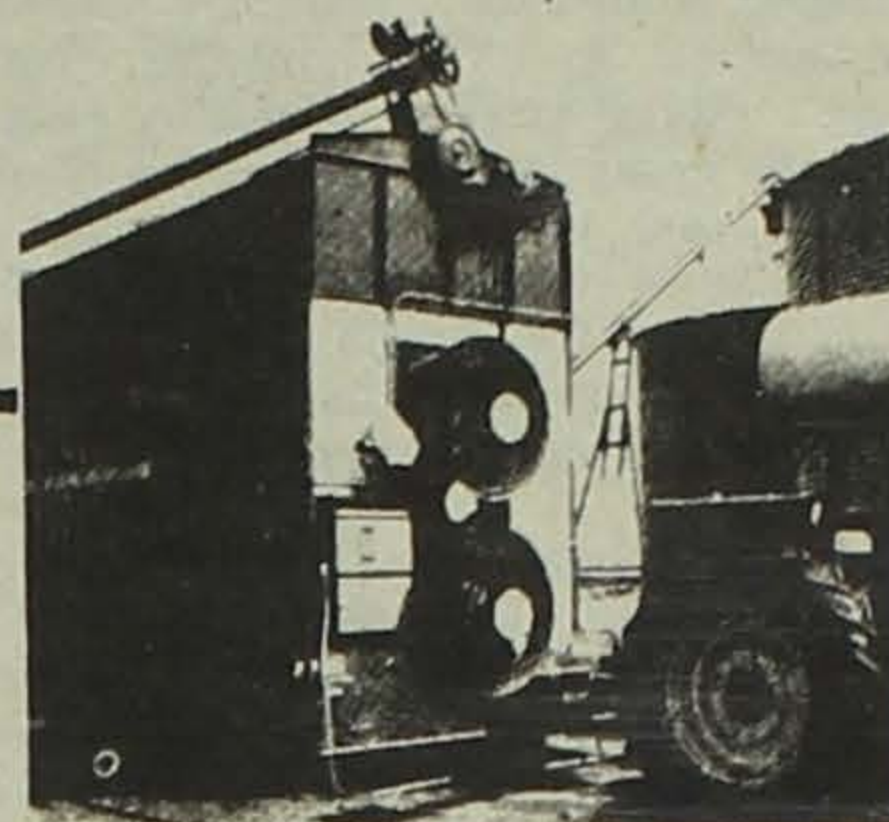
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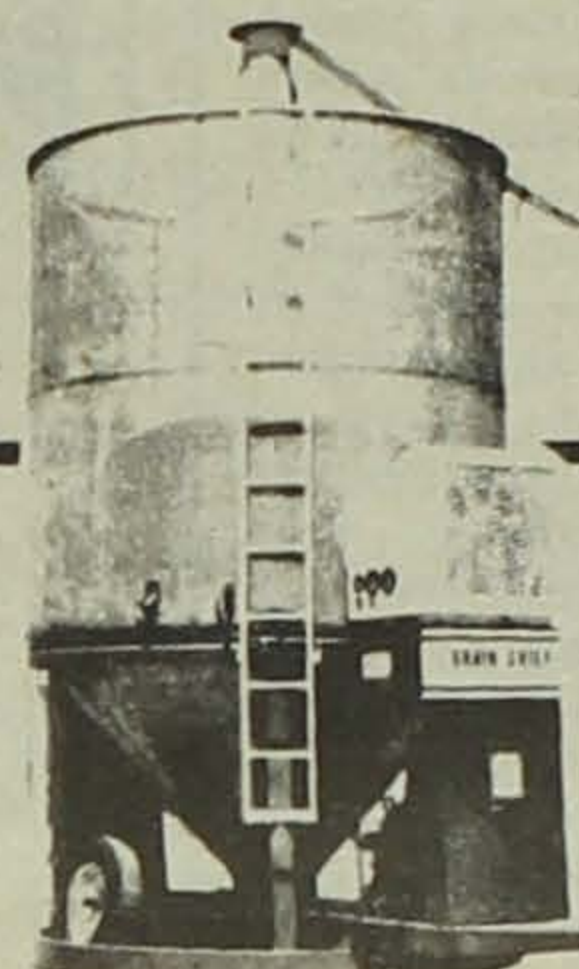
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School Days

by Mrs. Margaret Hays
of Hamlin

The school director deposited his burden on a shelf at the back of our schoolroom.

Two of the older boys carefully tipped the cream can and a cascade of fresh water streamed into the new water cooler.

Gone was the white enameled pail, banished to the floor under the shelf.

We gathered in a half circle around the cooler. The director motioned for us to take our drinking cups from a row of nails above the shelf. He pushed the shining spigot and a small stream of water poured into the first tin cup to catch the blessing of running water at Melville No. 1 in Audubon County.

We refilled the cups again and again, enjoying the luxury of modern conveniences.

Finally, we could hold no more and the teacher chuckled. "I hope there's enough left for hand washing at lunch time."

We waited breathlessly for her to check the supply. I concentrated on a plan to maneuver my turn so that I could be one of the fortunate pair to "go for water" today of all days. Given a chance, I would bring water safely through mud, snow or sleet to fill the wonderful water cooler.

Ceremony

At noon we lined up before the cooler and it was a real ceremony. One child held the wash basin to catch water as we rubbed castile soap over our grimy hands. Another child pushed the magic spigot for the time necessary to achieve a certain standard of cleanliness.

Sure enough, we ran out of water just before afternoon recess. With the promise of a nickel and a Milky Way candy bar, I cinched my place on the team, snatched up the water pail and galloped down the road to a point where Evelyn Stenstrom waited for me to catch up.

Evelyn was older, stronger and more responsible than I. Our teacher always tried to match height and strength when she chose pairs of children to carry water. Unfortunately, there were not enough of us to always match equal strength and dependability on the same team. Many times Evelyn and I carried water together with the idea that she would keep me on the straight and narrow path with a full pail of water.

For me, temptation always lay along the roadside. A giant culvert carried a bright moss-laden stream of water under the road, traveled through a marshy corner of the neighboring pasture and tumbled into David's Creek. For the first time in all my trips as water carrier, I raced across the culvert with never a downward glance.

News

At the top of a hill almost a quarter mile to the north, Evelyn was just swinging into the farmyard. She would be first to spread news of the water cooler. I didn't care. After all, it was her grandmother who gave us the water, so Evelyn deserved the change.

Her Grandmother Bylund was a sweet-faced little woman with a neat crown of white hair above her blue eyes. She always wore an apron as clean as her shining kitchen. Often her kitchen was filled with the aroma of fresh-baked cookies and Swedish bread and my snub nose would twitch with an-

ticipation. A most understanding woman, she passed the cookies and inquired as to the health of our families. She spoke in quiet tones with a strong Swedish accent.

Changing

Carefully we balanced the pail between us and walked sedately down the road. Changing hands was accomplished either by setting the pail on the road and reversing our positions or reversing while we kept walking. Since this was no time to be reckless, we set the pail down and changed hands.

Once inside the schoolhouse, we set the pail carefully on the floor in front of the cooler. The teacher poured, we pressed the spigot and assured each other that it was the best tasting water in Melville Township.

As I turned to close the door behind me when school was dismissed for the day, I paused for a final glimpse of the beautiful cooler. The teacher was polishing its surface with a damp cloth, humming a little tune and smiling to herself.

Protein comprises over half the content of dried algae cells.

Saturday Afternoon Is Skating Time

By Margaret Hays
Of Hamlin

What is Saturday afternoon? In Brayton, Saturday afternoon means roller skates and bubble gum as children skate round and round in the town hall.

As many as 70 children come from all directions, not only in the town, but from points 20 miles away.

Several young people, such as Melodi Jensen, are from Exira.

Asked what she would do on Saturday afternoon if she didn't roller skate in Brayton, she grinned and admitted, "Nothing!"

Jane Jensen lives eight miles north of Exira. Her parents, Mr. and Mrs. Jerry Jensen, dropped Jane at the town hall while they spent the afternoon in Atlantic.

An admission fee of 25 cents entitles children to skate from 2-4 p.m. and use skates provided by the Fire Belles, auxiliary of the Brayton Volunteer Fire Department.

No one woman will take credit for the idea and nearly all the members take turns fitting

skates and enforcing the rules. "We don't allow anyone to eat while they are skating. No skating backward is permitted and everyone has to skate around in the same direction," explained Mrs. Richard Hansen.

"We have rest periods and if we have a large crowd, we break it up once in a while so that older children skate together, then the littler ones. We seldom have this many children."

"It's too many and we are watching closely to see that no one gets hurt. We had to give a few kids back their quarters because we ran out of skates."

The skates were purchased from Walter Madsen when the roller rink in Exira went out of business. The firemen repair and oil the skates.

"We really can't afford to buy new ones," said Mrs. Hansen. "They put shoes on rink skates now and they are real expensive."

Heat is provided in the hall and is included in a nominal sum paid as rent.

On this particular Saturday, the furnace puffed and stopped running. Dressed in warm jackets, the children didn't seem to mind.

After an hour of skating, many of them tossed jackets toward the row of benches which divides the hall.

During the present season, which will run from late December to the first of March, members will be assigned to duty and responsible for replacements if they are unable to serve.

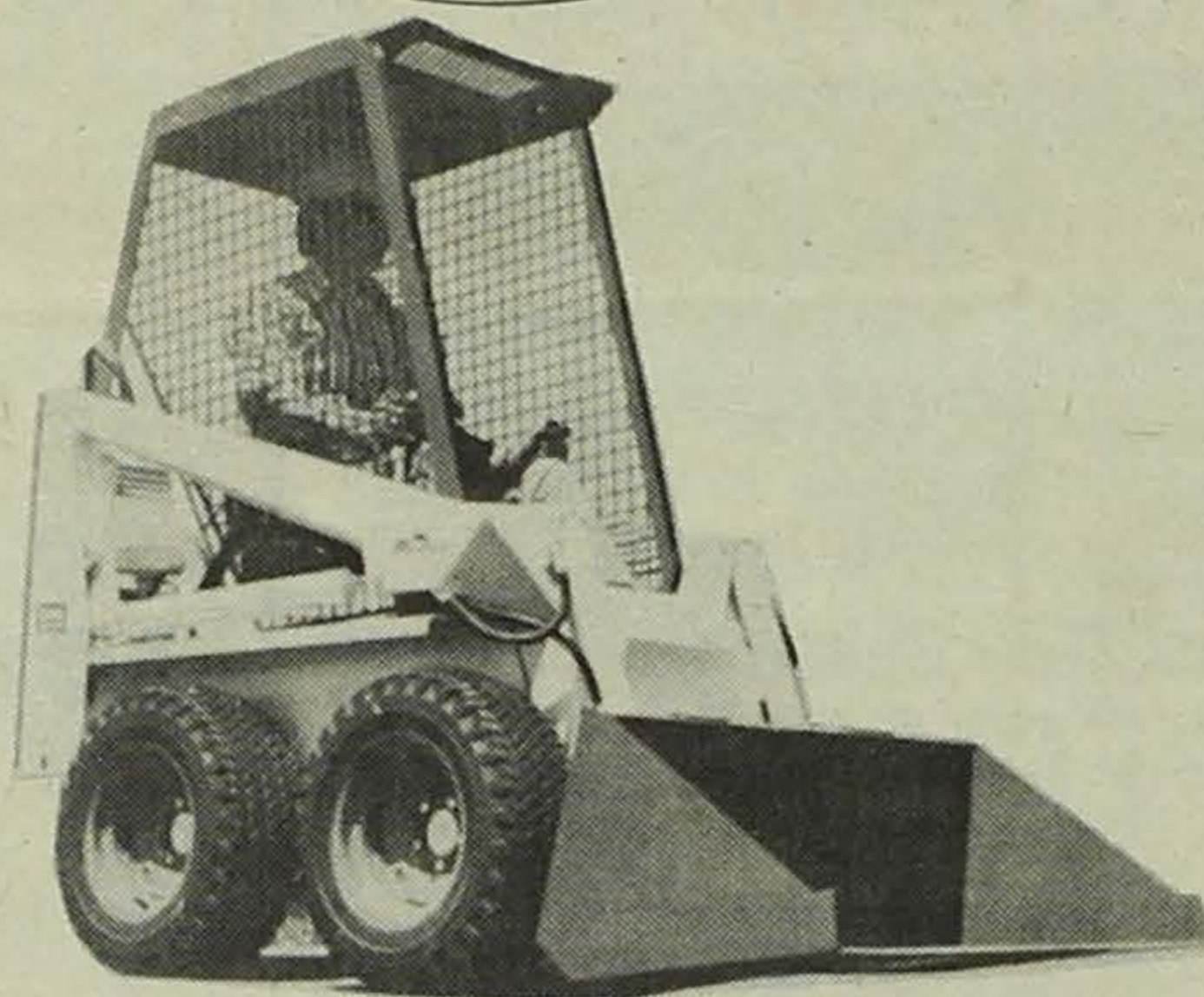
"Two of us are usually enough," remarked Mrs. Hansen, "Let's see, there's Shirley Juhl, Elaine Christensen, Coleen Jeppesen, Vivian Larsen, Ardelle Hansen, Krista Christensen, and myself who help a lot. Hope I haven't left anyone out."

The roller skating project is the work of volunteers. The attractive roadside park at the south edge of Brayton was built by volunteers. People from neighboring farms help in community projects.

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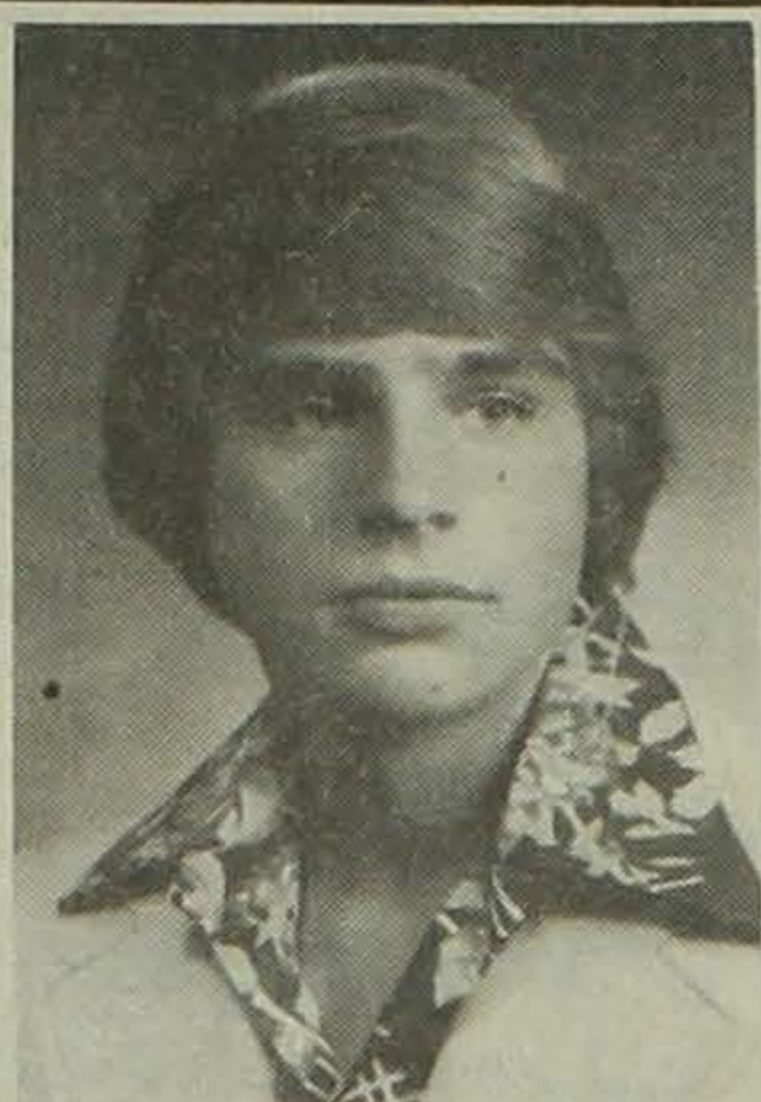
FFA Member Of The Month

Jeff Weppler, son of Mr. and Mrs. Duane Weppler of Lewis, is a four-year member of the Atlantic Future Farmers of America chapter.

Jeff was active as co-chairman of the Building Our American Communities committee in 1974 and is presently chairman of the Alumni Relations Committee.

As a member of the parliamentary procedure team, he helped the team win silver awards at the sub-district and district levels in 1973. He participated last year on the soil judging team which was second in the district. In 1973 he was on the soil team which was third.

In the chapter's point system competition, Jeff has received a silver award. He has exhibited beef and corn projects at the Cass County Fair and received an achievement award in 1974 for a home improvement



Jeff Weppler

project.

For the last two years he has been an escort for the Harvest Ball. He is also active in 4-H, sports and is a member of the Lewis Methodist Church.

PROSE FOR PORK

The virtues of pork have been praised by some of the world's best-known literary giants. "No animal affords a greater variety to the palate of the epicure," wrote Pliny the Younger, early Roman writer. Virgil gave thanks to the gods

for bringing "corn for mast" to fatten the hogs which the Romans turned into hams, sides and sausages. The flesh of the hog was praised by Linnaeus, 18th century Swedish writer and botanist, as "a wholesome food," and Charles Lamb immortalized the matchless savor of roast pig in his sparkling prose.

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First — Worm your sows with TRAMISOL a week or two before you turn the boar in. This can be done with Tramisol Soluble Pig Wormer in the drinking water for about 96 cents per sow - or - in the feed with Challenge Swine Worming Feed for around \$1.15 per sow.

Second — Use a highly fortified feed designed just for the breeding period.

CHALLENGE C.P. BREEDER is such a feed. This is a complete feed that is to be fed at the rate of 6 lbs. per head per day from one week before breeding until one week after - a total of 5 weeks. In addition to supplying the necessary high quality protein and energy this feed provides very high levels of vitamins - particularly vitamin E, and the right amounts of calcium and phosphorous. The iron level is much higher than normal as there is reason to believe that many sows are low in iron.

CHALLENGE C.P. BREEDER also contains the antibiotic AUREOMYCIN. Research work over the years has shown that when sows get 1/2 gram of Aureomycin per day during breeding they will farrow from 1 to 1 1/2 more pigs. In each 6 lbs. of Challenge C. P. Breeder there is 1/2 gram of Aureomycin.

CHALLENGE C.P. BREEDER is available in: meal, pellets or cubes.

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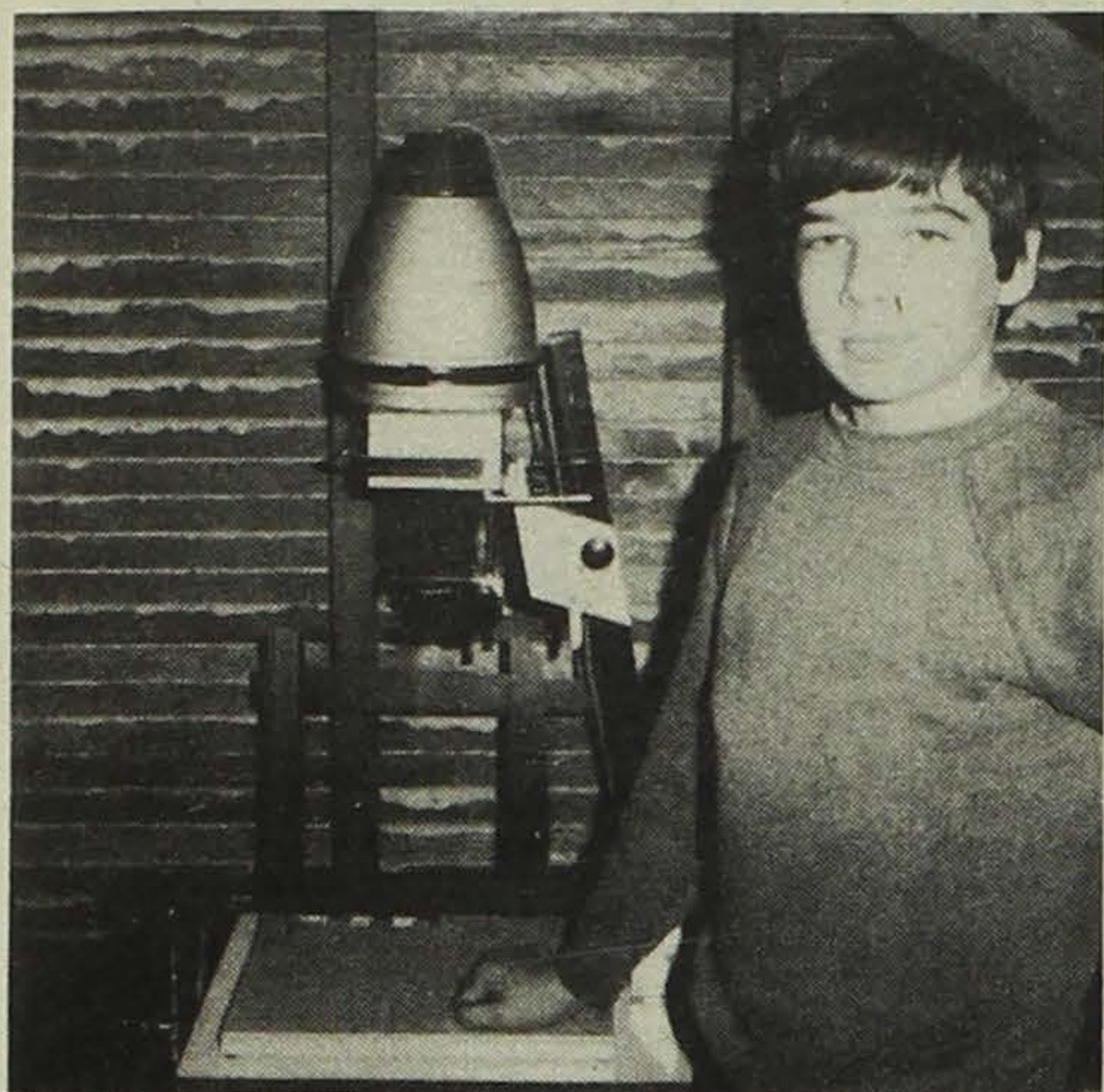
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Young Wiota Scientist Ventures Into Photography



Mark Ehrman and his enlarger in the closet used as a photography dark room.

There is a young scientist living near Wiota who three years ago took some basins and a box with a glass plate, added some chemicals from the drug store and gradually developed a casual interest into a satisfying hobby.

Mark Ehrman, son of Mr. and

Mrs. Eugene Ehrman, spends his spare time in a dark, upstairs, uninsulated closet developing pictures.

It was something he decided he would like to try, and like scientists the world around, he set out on his own to prove that he could do it.

The first film was a failure. He'd left a light on during a time in the process that calls for complete darkness.

Since that failure, he has run his darkroom as a small business and has gained knowledge and experience enough to experiment with brown tones and double exposures.

Self-Taught

Mark has been teaching himself the finer points of developing photographs through books at the library and by asking the help of Ken Moorman and others at Rex Pharmacy in Atlantic.

He began on a small scale. The box with the glass plate was a printing frame and all the pictures he developed had to be that size.

The basins he used as trays to hold the chemicals. Rather than having large bottles of the chemicals on hand, he would buy premeasured packets of each which are suitable for developing about one roll of film.

As his skill increased, he began developing pictures for friends and used that money, along with other funds he earned, to buy more chemicals and better equipment.

Even money earned from walking beanfields in the summer was used for the ever-growing hobby. About a year ago he bought an enlarger and later a print dryer.

Work Space

The developing closet has old dressers, crates and tables which are used to store equipment and chemicals and as a work area.

Before he starts, he must remove everything from the drawers in which they are stored and rearrange the furniture so that he can continue the developing process, step by step and in proper sequence in darkness.

After three years, with better equipment and better knowledge, it is still the very first step that he finds the hardest. This step is loading the film into a developing reel.

His skill has improved so that he can determine what he's done correctly or incorrectly

with each photograph.

In addition, he took an Iowa Western Community College course in photography and recently received a 35 mm camera that belonged to an uncle.

His parents have encouraged his work, but they admit

knowing little if anything about the detailed developing process.

As with most projects requiring time, money and effort, even as he works in the present, Mark thinks about the future.

"I'd like someday to try color," he said.



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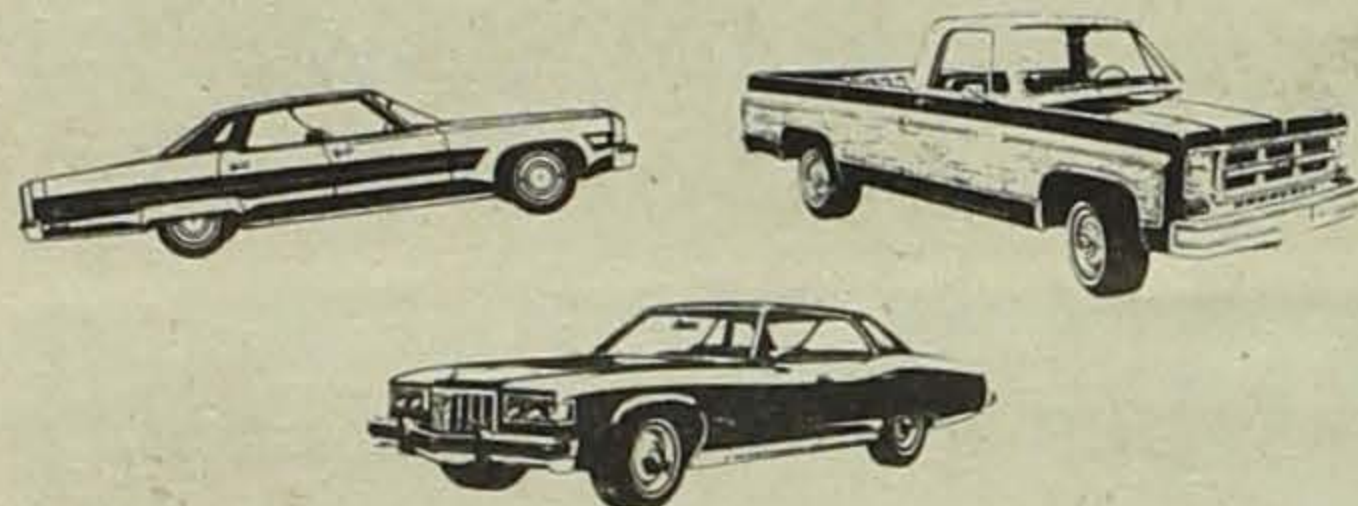
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Contact:

Bob Ocheltree, Williamsburg, Iowa

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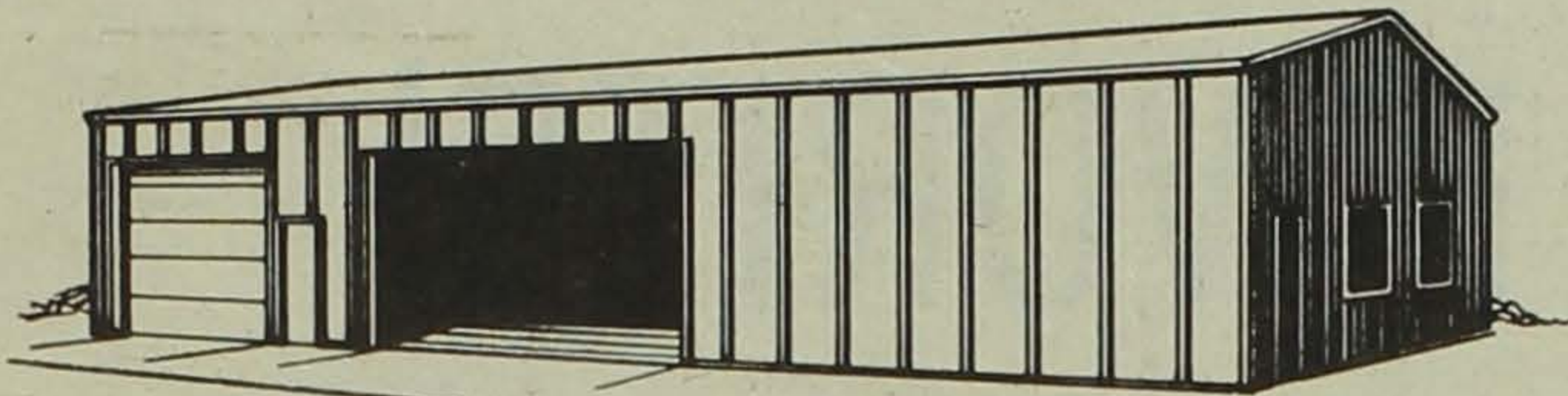


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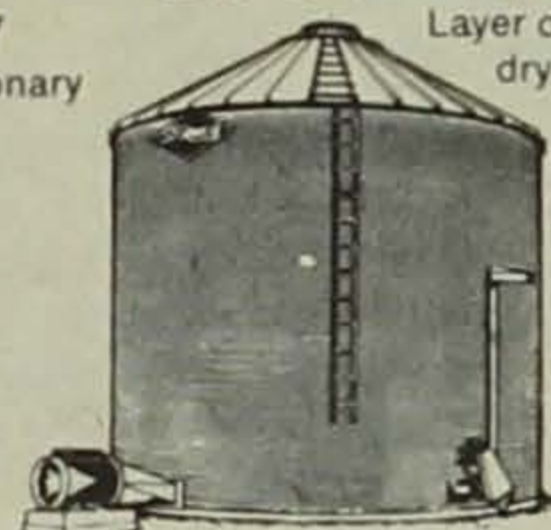


Save more with Stormor's "Buy For Less Sale"

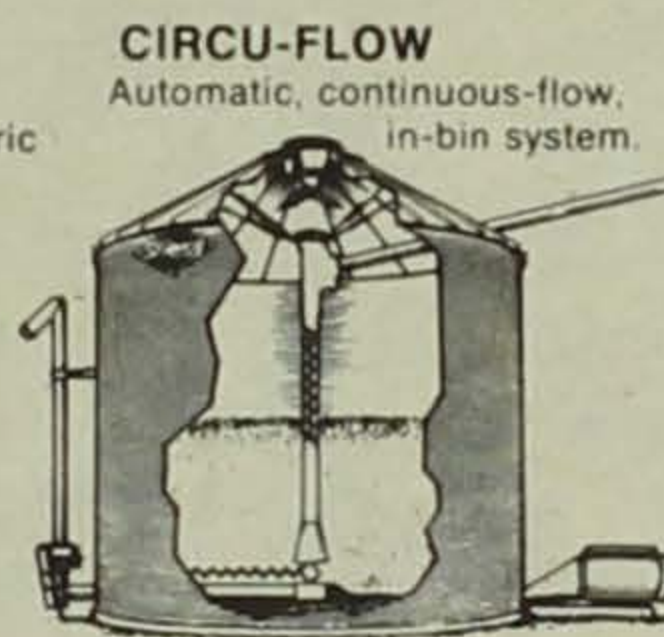
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EZEE-DRY
The revolutionary new grain conditioning system that dries up, to keep costs down.



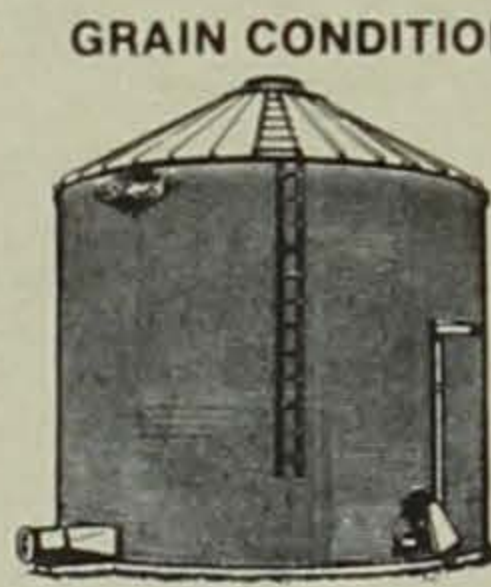
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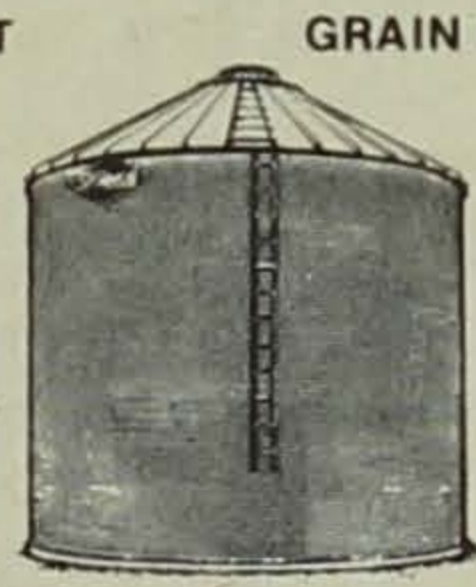


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Badger's Liquid Manure Pump and Spreader Tanks let you dispose of manure in a hurry. High performance pump agitates thoroughly—can empty pit at rate of 2800 gallons per minute. Match tank sizes to your needs—1500, 2300, and 3000 gallon models available. Rugged tanks with full length skid supports, unload in 5-6 minutes. 1500 and 2300 gallon models can be converted to vacuum spreaders if desired. Lets you do more jobs with one tank. Badger Manure injector can be used with all spreader tanks.

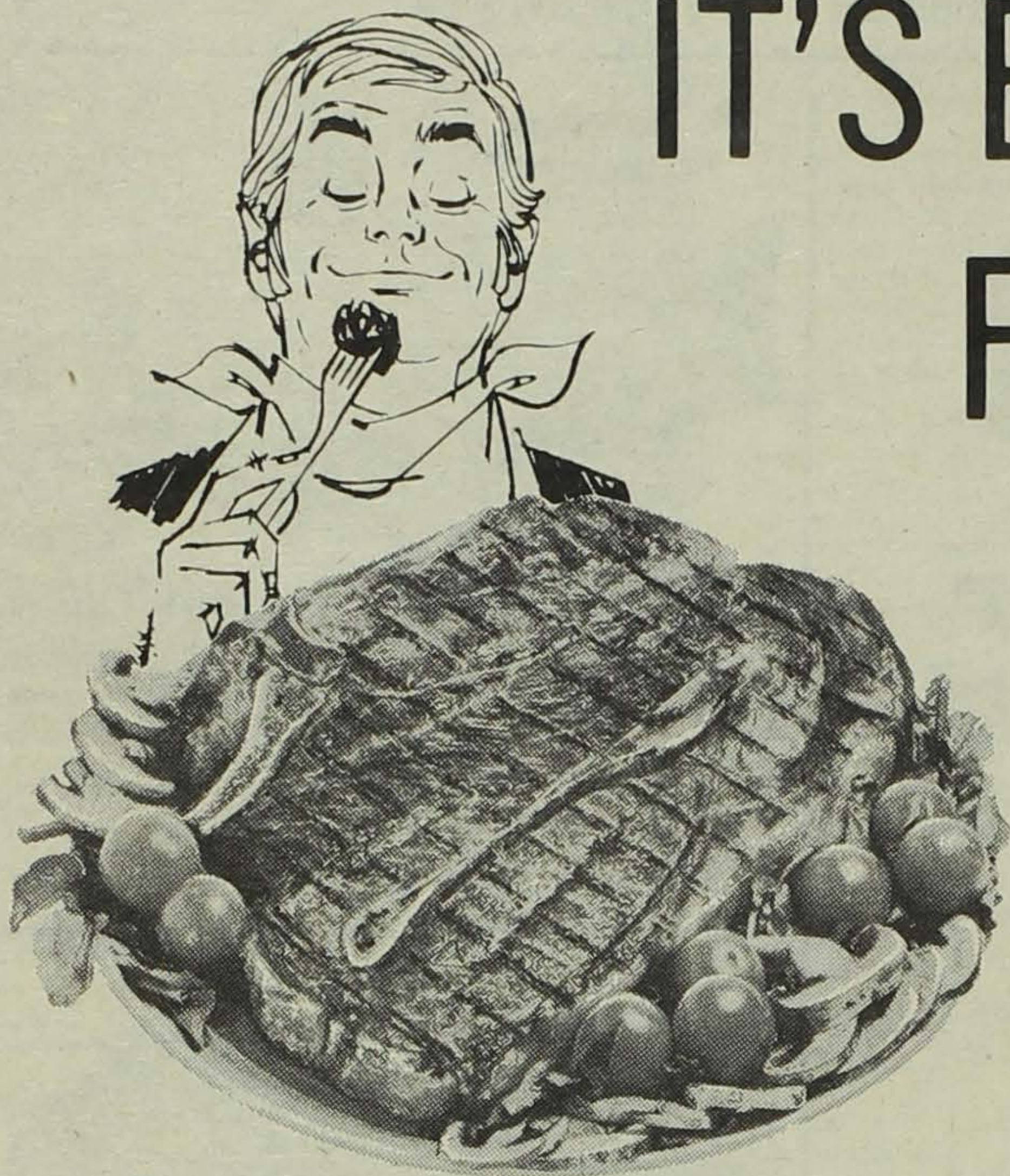


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Your men from Walnut Grove salute the livestock producers of this area. They have invested huge sums in land and machinery, and their skilled use of the techniques required to convert these factors into top-quality meat has made it possible for the consumer to buy at bargain prices at the meat counter.

Your "MEN FROM WALNUT GROVE"



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ATLANTIC NEWS-TELEGRAPH FARM MONTHLY

SOIL CONSERVATION SPECIAL ISSUE

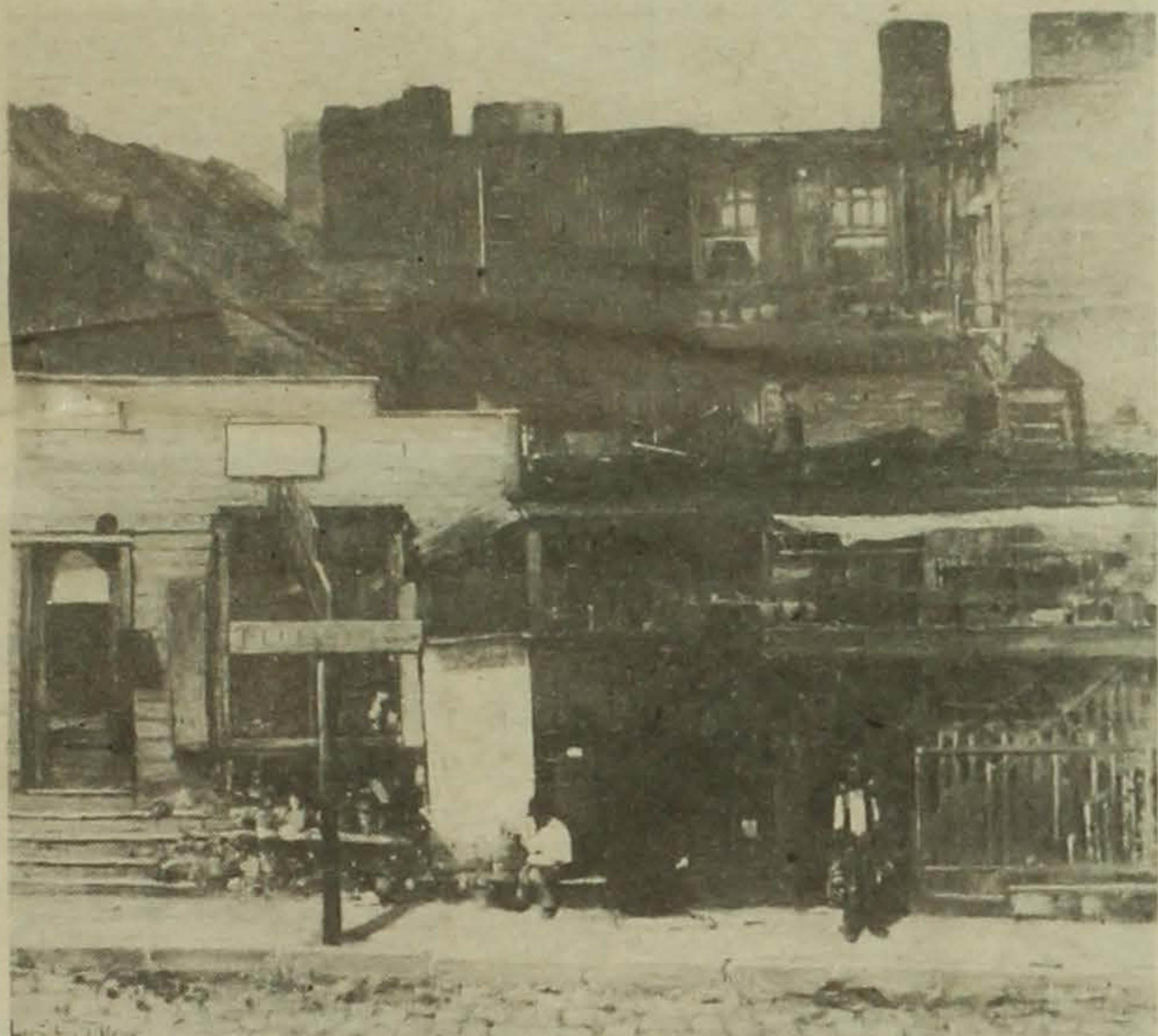
ATLANTIC, IOWA

JANUARY 31, 1976 ISSUE

Historic American Art On Display



"The Gale" by Winslow Homer



"Duane Street" in New York City by Louis Tiffany.



"Un Puyazo" by Herbert Haseltine.



"Addie" by Thomas Eakins.



"General Lafayette" by Samuel F. B. Morse.

Some of America's most famous works of art were recently brought together for the 150th anniversary of the foundation of the National Academy of Design in New York City. Samuel F. B. Morse, who became famous for the invention of the

telegraph, was the president of the academy for its first 21 years and also a noted artist, completing some 300 paintings and sculptures.

24 pages
Scan both for the 1975
year.

ATLANTIC NEWS-TELEGRAPH FARM MONTHLY

SOIL CONSERVATION SPECIAL ISSUE

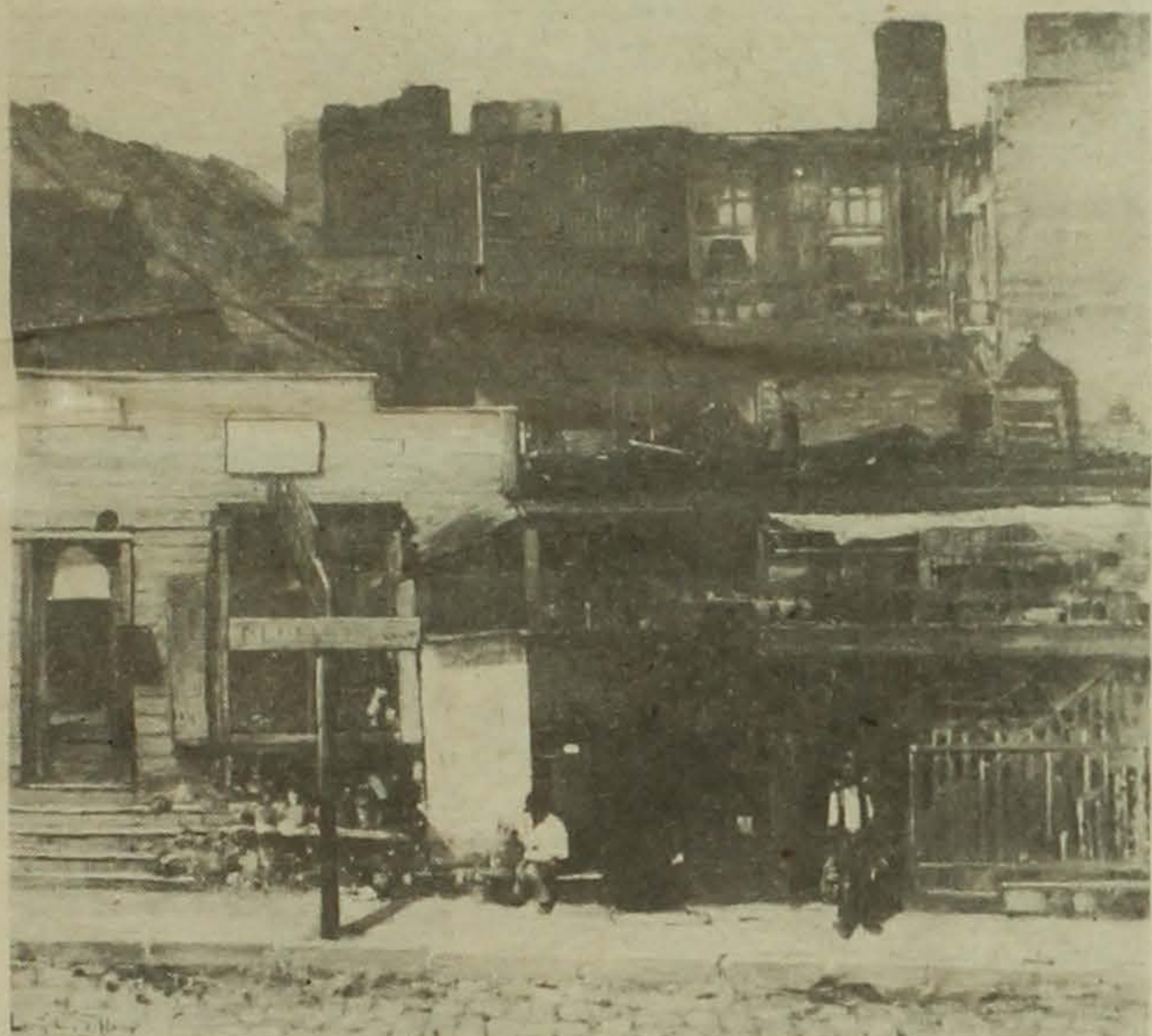
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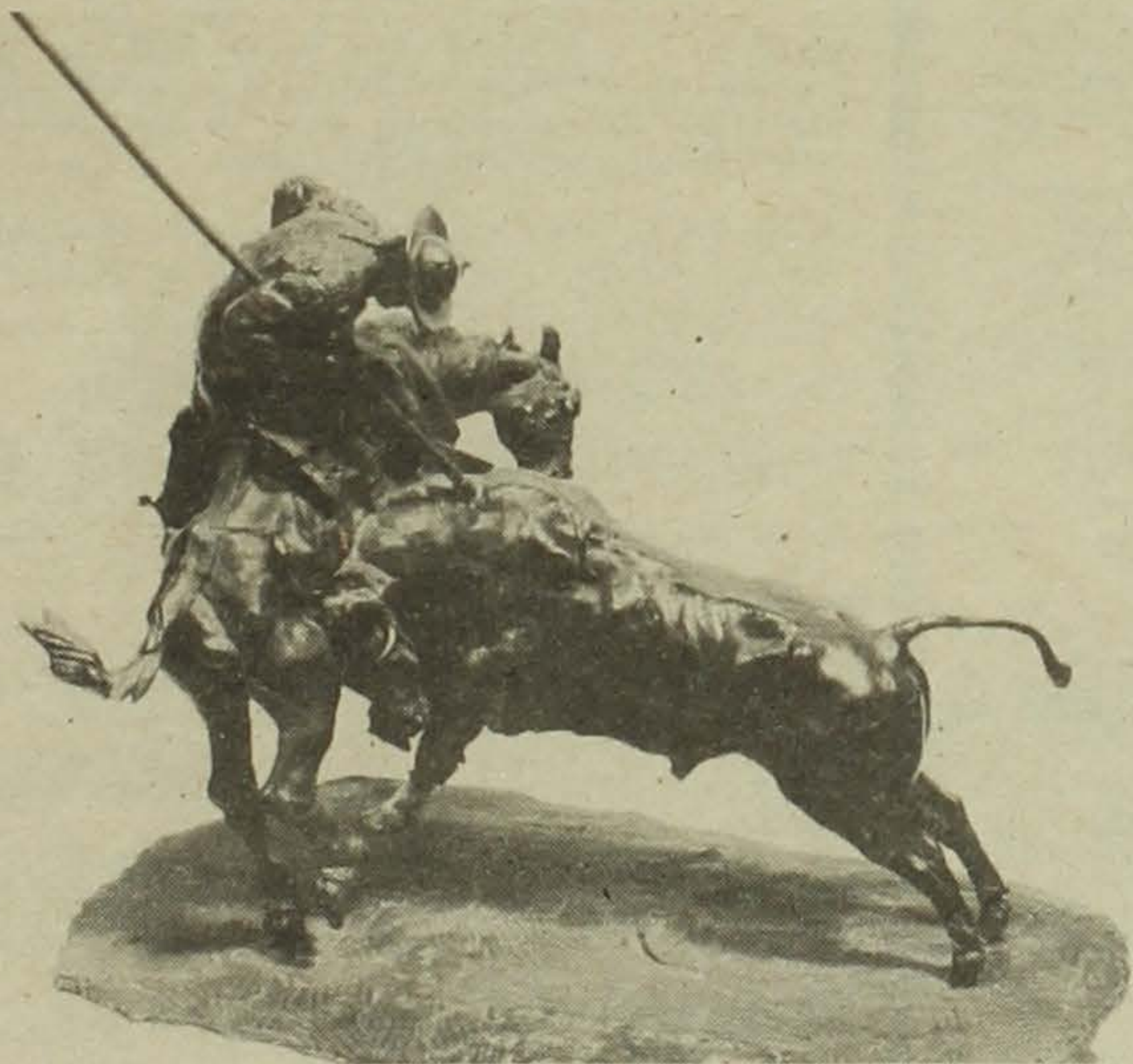
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telegraph, was the president of the academy for its first 21 years and also a noted artist, completing some 300 paintings and sculptures.

Poets Corner

MISSION WORKSHOP

Hail! Hail! The gang's all here
Working for the Missions
Let's make it our tradition:
So sew! sew! Come let us now
start
Do it with a willing heart.

Work! Work! And do it right
Let's make this a real good
night
Do it for the poor ones!
Roll! Fold! Quilt or sew,
Offer up our task begun.

Think! Think! Of infants dear
In the Mission fields
Cold and weak and in tears
Clothe them in your warm love
Their souls mean much to God
above.

—Hilda Schwery, Westphalia

THE MIDDLE
ENERGY BELT

Cede: "the basic human need is
sustenance"
Whose energy sustains all
arrogance;
Alternatives, in energy, are
wise—
The ableness to work, we fail to
prize
As mind, through past and
present delves
To care for our earthmother;
help ourselves.
We turn to individual excellence
To find, in this, the greatest
recompense.
Like days of old, make no
mistake.
The Cassius-kind keep us
awake;
They swarm the earth in
hungry style,
While slaking like a crocodile.
Now, harvest time shows off our
summer days
Our Ceres' song comparing
other ways.

(Copyright, 1975, Iowa Iowa
Poetry Day Yearbook
Honorable Mention)

—Maryleona Berg, Wiota

MY NEIGHBORS

I'd like to tell you about these
little neighbors of mine,
These two little girls we think
are just fine.
They are nice to old folks, while
some children are not.
Guess maybe that's another
reason we like them a lot.
They like all my flowers but do
not take or ask for any,
But I enjoy sharing with them
as I have so many.
In summer their hamster they
sometimes bring,
Even let me hold the soft wiggly
nose thing.
When I give them anything I get
a hug and a kiss,
That is something this old
Grandma wouldn't miss
Their hair is always shiny clean
and they are neat as can be,
Their smiling happy faces I am
always glad to see.
Christmas and my birthday
they always have something
to bring,
When I remember their birth-
days they are pleased with
anything.
A book of small poems and a
school picture I will treasure,
Just having these two for neigh-
bors is a pleasure.
My two little friends are
growing up so very fast,
I hope through all their growing
up our friendship will last.
In this old world full of trouble
and strife,
May God bless and guide them
for all of their life.

—Mrs. William Morrison,
Greenfield

THE TALE OF
C.M. McCRAW

I was truckin' on down Hiway 92
When I got to hanker'in for a
plate of stew;
So I geared down my Rig and
turned off the way
At the Old C-M Panther Ron-
Dee Voo Cafe.

There's a gal in there, She was
dressed in black.
When she spoke to me, she
purred like a cat.
I said "You're as pretty a kitten
as I've ever spied,"
And when I asked her name, she
said, "Just call me, Pride."

Well, she spoke of some cats
that were fierce and fast,
Of a team that was small — but
had lots of class.
How they ripped and clawed a
bunch called Tri-Center,
Pouncing on Underwood 'till
they cried out "Surrender!"

Walnut was mauled by those
cats in white
And against mighty AvoHa,
they put up quite a fight.
Her eyes grew wide — this gal
called Pride
As she pictured ISD being taken
in stride.

Then wounded from past battles
— with new cats on the field,
She told how Elk Horn and
Shelby could do nothing but
yield.
Oakland was met on a night cold
and dark
When frustration and heart-
break seemed to dim that old
spark.

But I could tell by the fire in the
depths of her eyes
That she knew her team with a
vengeance would rise.
I put down my cup — sat on the
edge of my stool,
"What manner of cats were
these — so scrappy, yet
cool?"

She purred, "You've heard of
'30' — Tom Eilers by name,
He's agile and fast as a Cheetah
hungry for game.
Ed Wax and Scott Herbert: they
shared the command,
Calling plays — throwing
passes — keeping offense in
hand.

Every team needs a horse, and
there's none stronger than
Mark
Smashing blocks — breaking
tackles — giving all of his
heart.
I shook my head — and it scared
me stiff
As she portrayed the crushing
power of McCready and
Smith.

There was fleet Rick Hunt going
after the ball,
Zimmerman and Boruff for-
ming the outside wall.
In the center was Fox flanked
by Brumely and Schroder.
She twitched as she spoke —
now nothing could hold her.

She told of Schoening and
Fahrenkrug — of Craig
Herbert and Gray
Who helped push the team along
its winning way.
Of Shald and Mike Fox, of
Patrick and Gravett,
Of Campbell and Henry — a
mere 22 if you add it.

I couldn't finish my stew — I
just needed a clue,
"What genius — what drive —
lay behind those few?"
She grinned, "That's no secret,
it's coaches Keegan and
McKie.
Their dedication and skill are
the talk of the country.

"But what of their power —
their grit — and their spirit?"

Please tell me its source — I've
just got to hear it!"
Her fierce eyes brightened —
"Haven't you guessed that?"
she cried.
"In each heart there burns what
we call 'Panther Pride.' "

Well, now, there's the truth as I
heard it that day
At the Old C-M Panther Ron-
Dee Voo Cafe.

—Rev. Paul Pennington,
Carson

A LAST LONG
FURROW PLOWER

Beneath the wrinkled sem-
blance of youth
Long gone the way of raindrops
into sod—
Within unfocused eyes that
search for truth
To bind the seasons of a lifetime
close—
A touch of beauty stays.
Beneath the mumbling, the
pain wrought curse
Tossed at the strangeness of a
sterile room,
At neon patterned panes that
steal the terse
Beloved reek of junipers in
wind—
A human soul remains.

Within the shriveled face, the
weary frame
Of one who loved a yellow field,
the wind—
Within an undrugged thread of
mind, the same
Old heart still cherishes the
new-turned sod—
A speck of God remains.
Behind a clumsy maize of tubes,
the white
Sterility of loneliness, the
weeps—
And in the smoke haze of a
summer night
He knows the last long furrow
has been plowed—
A fleck of wisdom fades.

—M. McGuire, Wiota

FIRST SNOWFALL

The snow begins in the evening
Falling gently, softly all night
By morning light revealing
A mantle so lovely and white —

Deep and soft the snow lies
Covering the earth so brown.
It conceals all imperfections
With its carpet of fleecy down.

Bare branches edged in ermine
Against a bright blue sky
Simulated bloom on shrub and
vine
Remind of summer gone by.

The old tree stump resembles
A huge white frosted cake
Snow magic on the bird bath
An ice cream cone doth make.

Icicles in crystalline pendants
Adorn the roofs of snow
Sunlit trees with hoarfrost
Make a fairy scene below.

Children in gay colored clothes
Romp and slide all the day
Snowplows open streets and
roads
Folks clear snow from
sidewalks away.

Welcome is the first snowfall
With all its beauties rare
If lifts the burdens from our
hearts
And frees us from all care.

—Helen Tibben Thayer, Exira

IN MEMORY OF LOIS

Gone to a place up there
somewhere
But as close to us as a
whispered prayer.
So we trust God's judgment
And doubt Him never.
For in his great Kingdom
She will live forever.

—Edna Knop, Atlantic

Troublesome Creek Will Be
Tamed By Watershed Project

By Bill Willis,
District Conservationist

In September, 1972,
Troublesome Creek became
transformed from a lazy little
stream into a raging torrent of
sediment choked floodwaters.
All this happened because of
heavy rains in a short period of
time and the lack of structural
measures to slow down and
control runoff.

In July, 1974, Public Law 566
Small Watershed Project to
control flooding and stabilize
eroding gullies was approved
for operations and construction.
This was one giant step to
control the unexpected torrents
of runoff that helped give
Troublesome Creek its name.

The Cass County Soil Con-
servation District has some
definite plans for activity in
Troublesome Creek Watershed
in the next few months. One
requirement to build any P L
566 watershed structure is that
at least 75 per cent of the
drainage area of any type
structure must be adequately
protected from excessive soil
loss. The district plans to make
an inventory of the drainage
area of each of the 33 structures
in Cass County to determine
what land treatment is actually
being done.

Where treatment is adequate,
the landowners involved in
these structures will be con-
tacted to obtain easements to
get the structures built. If more
conservation treatment is
required, an extra effort will be
made to encourage the in-
stallation of practices such as
terraces, contouring, rotations,
and stripcropping by individual
farmers.

Cass County will have an
opportunity to award a contract
for construction in fiscal year
1977, or about 1½ years away.
In order to award a contract,
the land rights must be obtained
early to allow time for
engineering surveys and
designs.

Throughout January,
February and March the
Troublesome Creek Watershed
area of Cass County will be
frequented by SCS personnel
mapping land use. They may at
times stop and ask questions
about the type and frequency of
row crops and other data that
affects soil loss. This in-

formation will be assembled for
each structure and analyzed to
determine the percentage of
adequately treated land.

Information concerning the
location and size of each
watershed structure is on file at
the district office in Atlantic.
Those interested in any of these
structures should stop in the
office and review this in-
formation with the office per-
sonnel.

The land rights maps will
show the proposed centerline-
of-dam location as well as the
location and size of the water
impoundment. The maps can
also be used to determine the
exact amount of land that each
farmer will need to involve in an
easement.

Floods like the ones in 1958
and 1972 can happen again. A
total of 83,100 acres of land all
producing runoff during heavy
rains is what turns
Troublesome Creek into a
raging torrent.

Installation of the 135
structures planned and needed
in the watershed can change all
that. It takes cooperation and
interest of local people will to
give up a little land in order to
receive the federal dollars it
takes to get the structures built.

Troublesome Creek can be
tamed with conservation
practices on the land and
watershed structures where
they are needed.

INDIAN PATH

SOUTH BOSTON, Va. (AP) —
A team of archaeologists has
unearthed a centuries-old In-
dian path on the construction
site of South Boston's \$1.6
million secondary sewage
treatment plant.

Wayne Clark, assistant ar-
chaeologist for the Virginia
State Library, hailed the
discovery as "just fantastic."
And Col. Howard MacCord Sr.,
the state Library's staff ar-
chaeologist, said the find was
"unique in Virginia."

What remains is a circle of
dark stain, where an Indian "pit
house" was dug, surrounded by
evidence of postholes. The well
worn path leads from the house
to a trash pit and then into and
out of an area where the ar-
chaeologists say a stockade
once stood.

ATLANTIC TRAVEL TOURS

NASHVILLE — FEB. 20: Our second Feb. tour from
Atlantic. \$80. First class motels each night at St. Louis,
Nashville, Eureka Springs. Reserved seat at Grand
Opry. Great Tours. First-come basis.

MARDI GRAS — FEB. 28: New Orleans hotel, 4 nights.
Special invitation dinner and presentation. Tours. Take
part in masked ball. \$155.25.

HAWAII: \$329, hotel, 7 nights, air fare, taxes, tour.

HAWAII: 10 days, 4 isles, lovely hotels, \$679, tours.

MEXICO: Marsh 1st, Acapulco, pyramids, Xochmilco.

FLORIDA AND NASSAU: Feb. 28.

CHERRY BLOSSOM TOUR: Washington, D.C.,
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DISNEYWORLD, SMOKY MTS., DIXIELAND: April 17,
16 days.

SEE THE U.S. AND CANADA on a "GREYHOUND
AMERIPAS." 7 days, \$76. 15 days, \$125. 30 days, \$175.

CHARTER A GREYHOUND EARLY FOR YOUR GROUP!

See Gladis King, Manager

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PRICES GOOD THROUGH FEBRUARY 8

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PLASTER BOARD

4' x 8' - 5/8"

\$1.55

Also in 1/2" at Low Cash & Carry Prices.

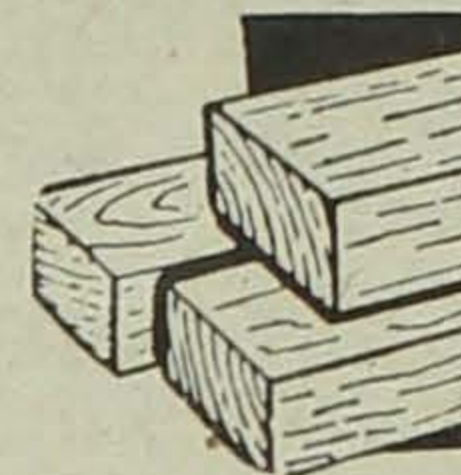


Stainless Steel SINK

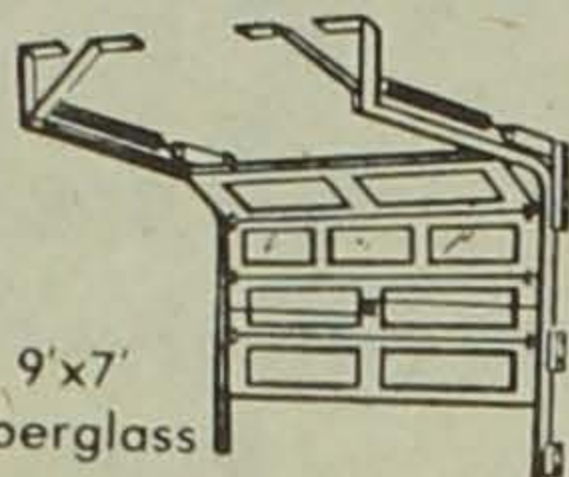
33"x22", self Rimmed,
20 Ga. No. 302 Nickel
Plate
\$24.88


K D Economy

2x4 STUDS

Nominal 92 5/8" To 96"
Lengths.
49¢ EACH


Sectional Garage Doors

9'x7'
Wood
\$99⁹⁹
9'x7'
Fiberglass
\$109⁹⁹
8'x7'-9"x6'-6"-9'x8'-
10'x8'-16'x7' also in stock.

8'x7'-16'x7' also in stock.



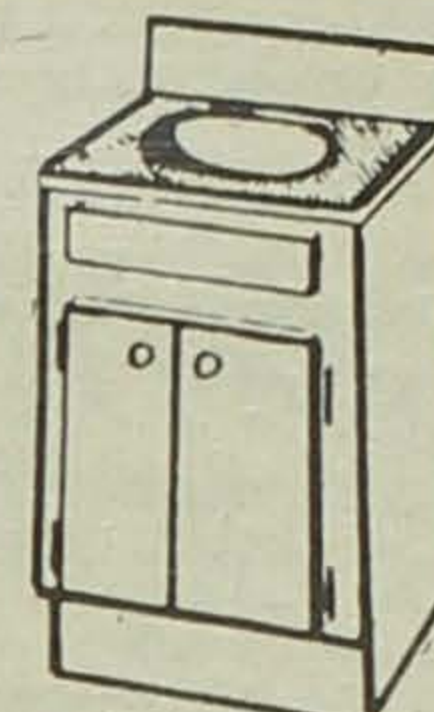
HOMELITE® CHAIN SAWS

Model XL2 with 12" Bar Chain

\$119⁹⁵
OPEN
SUN.
11 A.M.
TO
4 P.M.

Mini Vanity

SETS

Cabinet 19"x16"
Cultured Marble
Top, Built-In
Bowl, Less
Fixtures
\$28⁸⁸


Genie Garage Door OPERATOR

\$119⁹⁵
Remote control
with 1 transmitter

FIBERGLAS INSULATION

3 1/2" x 15"
70 Sq. Ft.
R-11
Kraft Face
\$5⁵⁹

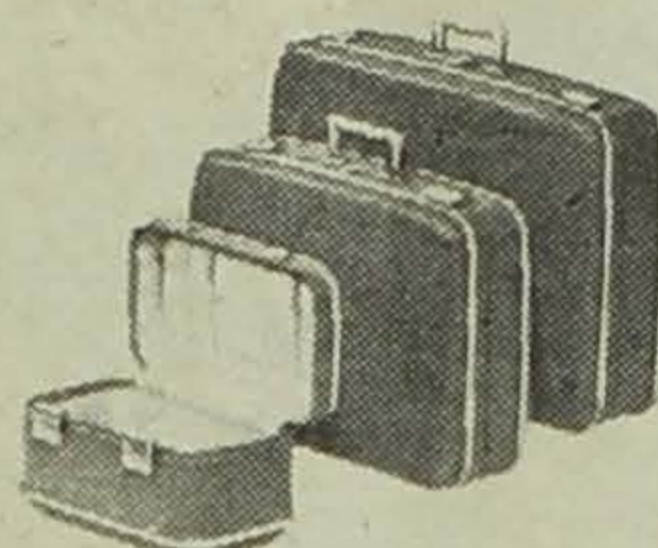
PER ROLL

Also stocked in 6" Thickness-15" & 23" Wide

3 PC. LUGGAGE SET

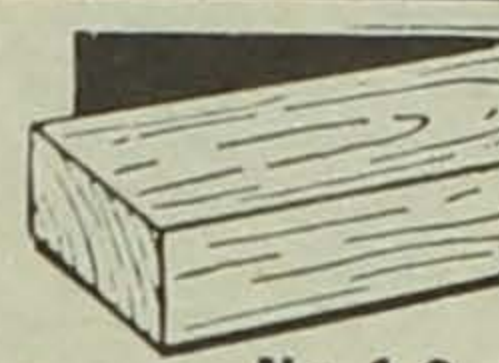
Handsome vinyl-covered matching set features
soft, attractive lining, plastic handles and
aluminum meeting edges. Pieces fit together
for convenient storage.
\$19⁹⁵

All 3 Pieces Only



No. 1 2x4 STUDS

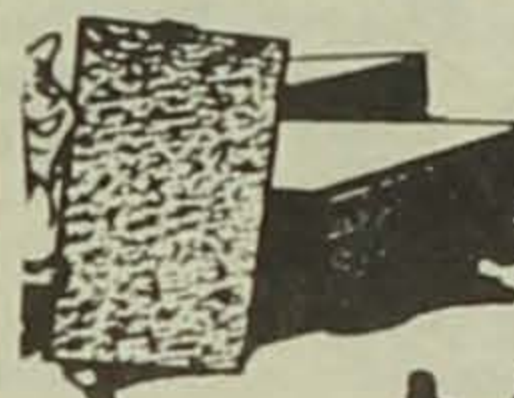
K.D. 92 & 5-8' Long

99¢ Each
OVER
50
DIFFERENT
DESIGNS
AND
TONES
IN
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LAUAN PANELS
4x8—3.6MMShop PWP
Med. color
some defects **\$2⁹⁹**Shop Virginia
Lauan.
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Gray Launches Bicentennial

The people of Gray are pleased with themselves, and rightly so.

Gray is the first Bicentennial town in Audubon County to be so named during the birthday year of 1976.

In order to qualify, the town came up with three projects, an application filled out in triplicate, and the names of citizens who were willing to serve on a Bicentennial Committee.

Not content with the Bicentennial flag and scroll, the townspeople secured two roadside signs proclaiming Gray as a Bicentennial Town and another first, made arrangements to have the signs placed at either entrance to Gray.

In the Horizons Division, the town qualified for a flag with the construction and maintenance of a mini-park and the rejuvenation of an old building to become a new Fire Station.

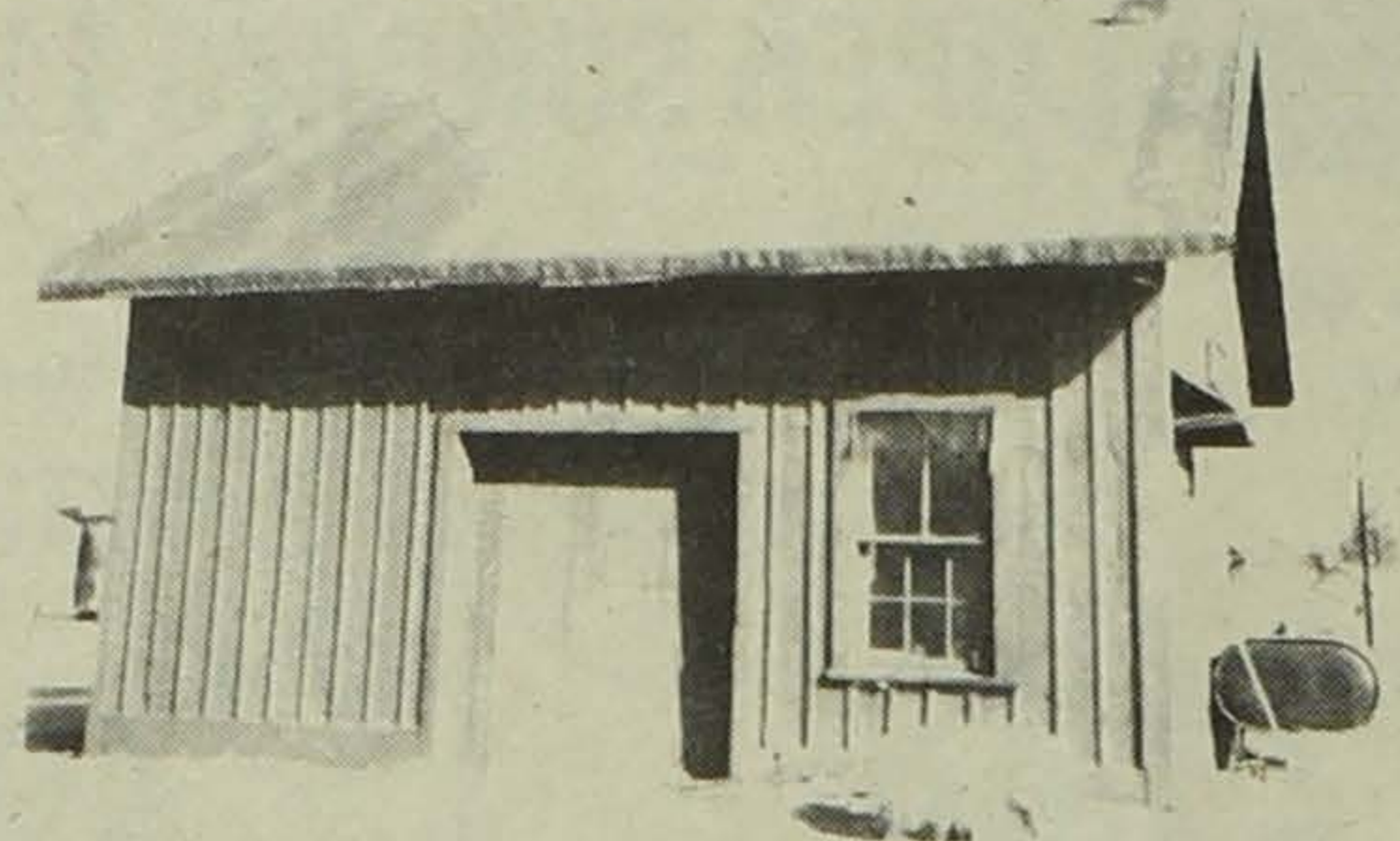
To qualify in the Festival Division, Gray will produce its annual summer celebration July 24. It will center around a Bicentennial theme.

In the Heritage Division, the townspeople are supporting an oral history project by gathering old settler anecdotes and writing family histories.

Although nobody will accept credit for the idea, it was initiated by the volunteer firemen with the help of Mrs. Glen Aikman. Her husband, now deceased, was a volunteer fireman for 40 years. Among others, Frank McLaughlin, Dennis Grimm, Larry Kendle and Richard Morrell are active in the project.

The people of Gray are stirred up over the Bicentennial. To quote Mrs. Aikman, "One of the church groups wants me to help them with ideas for the celebration. They keep telephoning me and asking me to come to a planning meeting. I have a feeling that I'd better appear with some good ideas."

State, local and federal workers number more than 14 million.



Old depot used as hog buying station



Highway signs



Old elevator is landmark.

28 PER CENT MORE CATTLE ON FEED IN IOWA

Iowa farms had 1,530,000 cattle on feed Jan. 1 for slaughter market, according to the Iowa Crop and Livestock Reporting Service. This is 28 per cent above a year earlier, but 11 per cent below 2 years ago.

Cattle and calves placed on a concentrated ration during the fourth quarter of 1975 totaled 1,259,000, up 30 per cent from the same period of 1974.

There were 650,000 grain fed cattle marketed for slaughter during the October-December quarter, a 12 per cent decline from a year ago.

Cattle and calves on feed for slaughter market Jan. 1, in the seven states totaled 8.5 million

head. This is 34 per cent above last year's unusually low number, but nine per cent below 1974.

On the Indonesian Island of Tana Toradja, dead bodies are wrapped in cloth and kept for months before burial. In the house of a nobleman, a cat is placed on a rafter and gently pushed off. This is the official announcement to the cat that his master has died and the funeral rites are about to begin.

Help keep your town clean. Put trash in containers, not along the streets and sidewalks.

Benito Mussolini and his companion Claretta Petacci, were captured in the Piazza at Dongo, Italy when they were attempting to flee to Switzerland. A simple cross with her

name and the date 4-28-1945 marks the spot, but no mention of Mussolini is there. The two of them were shot the day following their capture in the village of Mezzegoa.



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1973 Ford four door LTD, this is a real clean car.

1973 Oldsmobile Delta Royale, a low mileage car, real clean.

1973 Oldsmobile 98 luxury sedan, lots of extras.

1972 Cadillac Coupe DeVille, will make someone a nice car.

1972 Pontiac Grand Prix, this one is loaded and only has 22,000 miles on it.

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Land Use Planning Saves Nation's Natural Resources

By George W. Hosfelt,
Chairman of
Cass County Soil
Conservation District
Commissioners

At the start of 1976 when there is so much emphasis being placed on air and water quality, all out production for low cost food land use planning is vital.

The saving of our natural resources behoves all of us, no matter where we live or what our profession, to give these questions some thought and study for they affect all of us today as well as generations in the future.

I would like to quote from an article, "Identifying Prime Farmland" written by R.M. Davis, administrator of the Soil Conservation Service in Washington, D.C. This will let you see some of the thinking and working of the people in soil conservation starting with the district commissioners in your local soil conservation district on through to the State and National office.

Prime Land

Mr. Davis says The Soil Conservation Service now has a written policy concerning some of the most important resources in the nation — prime and unique farmlands.

In recent years, special interest groups have called for the recognition of the importance of wetlands and recreational lands and hunting and fishing lands. Farmers and rural landowners feel that prime and unique farmlands are just as important — even more important — in sustaining the quality of our life.

In the SCS policy memorandum we define prime farmland as land suited for producing food, feed, forage, fibre, and oilseed crops, and also available for these uses. The land could be cropland, pastureland, rangeland, or forest land. It has the soil quality, growing season, and moisture supply needed to produce sustained high yields of crops economically when treated and managed with modern farming methods.

Productivity

These prime lands can be farmed continuously or nearly continuously without degrading the environment ... they will produce the most with the least amount of energy ... they are the most responsive to management and require the least investment for maintaining productivity.

Unique farmland is land, other than prime farmland, that is used for the production of specific high-value food and fiber crops. It has the special combination of soil quality, location, growing season, and moisture supply needed to produce sustained high quality and/or yields of a specific crop when treated and managed according to modern farming methods. Such crops include citrus, olives, cranberries, fruit and vegetables.

The policy memorandum spells out the soil characteristics and other physical criteria which the service will now use to conduct a national inventory of prime and unique farmlands. By interpreting information in soil surveys in light of these physical criteria, we can identify and inventory the nation's most productive farmlands in a reasonable time.

We are conducting the inventory in cooperation with other interested agencies at the national, state and local levels of government. Many of these



agencies have worked closely with us to develop definitions so that the inventory will be uniform throughout the nation. Monitoring System

We are also initiating a monitoring system to reflect significant changes in the use of

prime and unique farmlands. This, too, will help us monitor the productivity capacity of American agriculture in the years ahead.

Under no circumstances will the inventories constitute a designation of any land area to a specific use, nor advocate such. Such designations are the prerogative of responsible officials of concerned local and state government agencies.

Now, those concerned with the preservation of prime and unique farmlands will have additional and better information on which to base judgments that will help preserve, protect, and improve these lands — the best producing lands in the United States.

LIQUID TOURS

DUSSELDORF, Germany (AP) — Something new — beer — has been added to sight-seeing in Dusseldorf. Now groups of 20 or more can enjoy a three-hour conducted tour of the city in trams specially reserved for that purpose. The modern tram cars have comfortable seats,

some are equipped as diners and serve draft beer and other beverages. The sightseeing itinerary includes a visit to the Dusseldorf Rhine Stadium and Benrath Castle.

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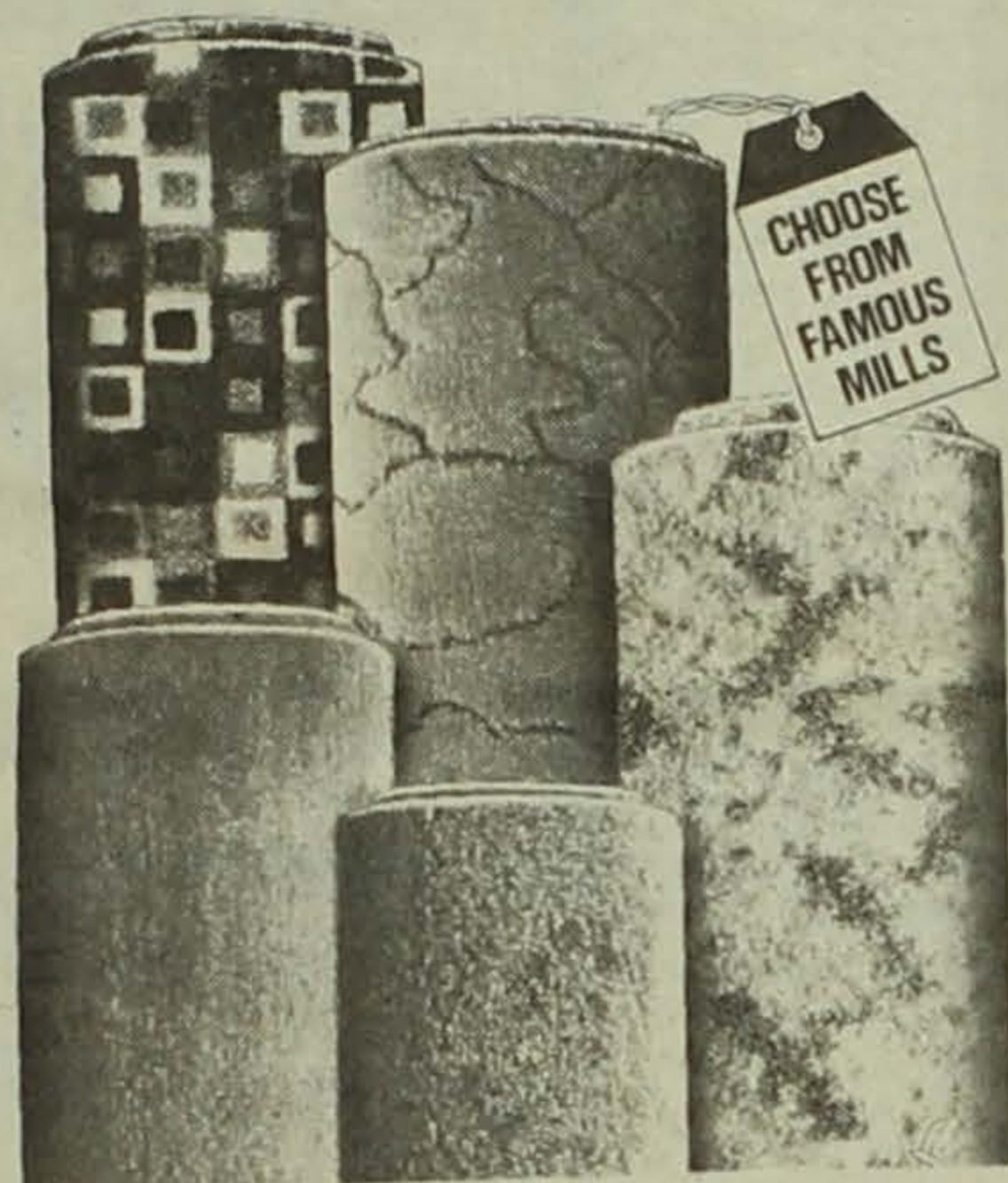
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Indian Creek Watershed Is Slowly Taking Shape

By Tom Magill,
District Commissioner

The organization of PACS Indian Creek Watershed is slowly taking shape. The application for planning is in the hands of Ken Olin, area conservationist in Council Bluffs, and will be submitted to the State Soil Conservation Committee soon.

Several meetings have been held and more work will need to be done by local people in the months ahead to bring the plan to a reality.

An organizational meeting was held at the Marne School March 18, 1975. The group of landowners and operators adopted bylaws for the operation of the watershed. They then elected a temporary board of directors to act for the first year.

The board members are Marlin Miller and Darrell Schroeter of Audubon County; Chuck Freund, Doug Redinbaugh and Tom Magill of Cass County; Gene Hoffman of Pottawattamie County; Lynn Peterson, Willis Hansen and Frank Hemmingsen of Shelby County. Tom Magill was chosen chairman and Frank Hemmingsen serves as secretary.

The organizing group at Marne decided to include Buck Creek and Spring Creek in PACS Indian Creek Watershed. The PACS is the name designates the counties involved to distinguish this watershed from two other watersheds with the Indian Creek name.

Field Review

A field review of the watershed was made last June 25 by personnel of the USDA Soil Conservation Service to determine if a favorable benefit cost-ratio was evident in the watershed to warrant the preparation of an application by local people. The result of the review as favorable and work began on the preparation of an application for planning.

A pre-application was submitted to the Office of Planning and Programming and to SCS State Conservationist. Approval has been received from both.

The board of directors has met twice since the March meeting to discuss progress on the watershed plan and to take actions to facilitate its



preparation. Progress has been rather slow.

Co-Sponsors

Co-sponsors of the watershed have been sought and at present we have affirmative responses from the boards of supervisors of east Pottawattamie, Cass, Shelby and Audubon; the soil conservation boards of the four counties; the town of Kimballton and the Isaac Walton League of Audubon County.

To date every group that has been asked has responded affirmatively and other sponsors will be sought. Sponsors are not committing funds at this time, just their support of the overall project. Later they may want to be involved in planning and financing specific projects in the watershed.

There is a long way to go before PACS Indian Creek Watershed will become a reality and it will take several years to complete. The number of years will depend greatly on the amount of enthusiasm generated from people in the watershed.

No one is going to run out here and lay this project in our laps. On the other hand laws exist and funds are being appropriated to do this type of project. If we want it badly enough to go after it, it can be done.

Some of the things to do after the plan has been submitted are:

— The watershed advisory board composed of officials of several state agencies will tour the watershed and make recommendations to the state committee. It will be up to local people to sponsor this tour — the better the tour the better chance

we have of moving the watershed ahead.

— The State Soil Conservation Committee approves or disapproves the application.

— The application, if approved, waits for planning priority.

— Planning is done by SCS watershed planning party.

— Local sponsors review the planned structures and works of improvement.

— The final Work Plan is prepared.

— Congress makes approval of actual operation.

— Construction commences as upland treatment is established and contracts are let.

— After construction local sponsors are responsible for maintenance.

Before a structure can be built at least 75 per cent of the upland treatment must be completed, and this is something we can be working on now. We should be doing this work even if there wasn't a watershed project in the area. This could include building terraces, waterways, small retention structures, establishing grass on land too steep to cultivate. Some State and Federal funds are available to help in these projects but not nearly enough.

First Step

The first step for farm owners and operators to take is to sign a cooperator agreement with their county Soil Conservation District Office asking for a conservation plan for their farm. This is a free service offered by the district. It has been my experience that you may have to prod them a little to get the plan done.

After you have the plan you will have an idea of what should be done, on your farm, to conserve soil and improve cropping practices. Even if you don't do anything in the way of building structures a professional plan for your farm would be of interest to you. More likely you will want to start with a project every year

or so to preserve your soil for yourself and your children.

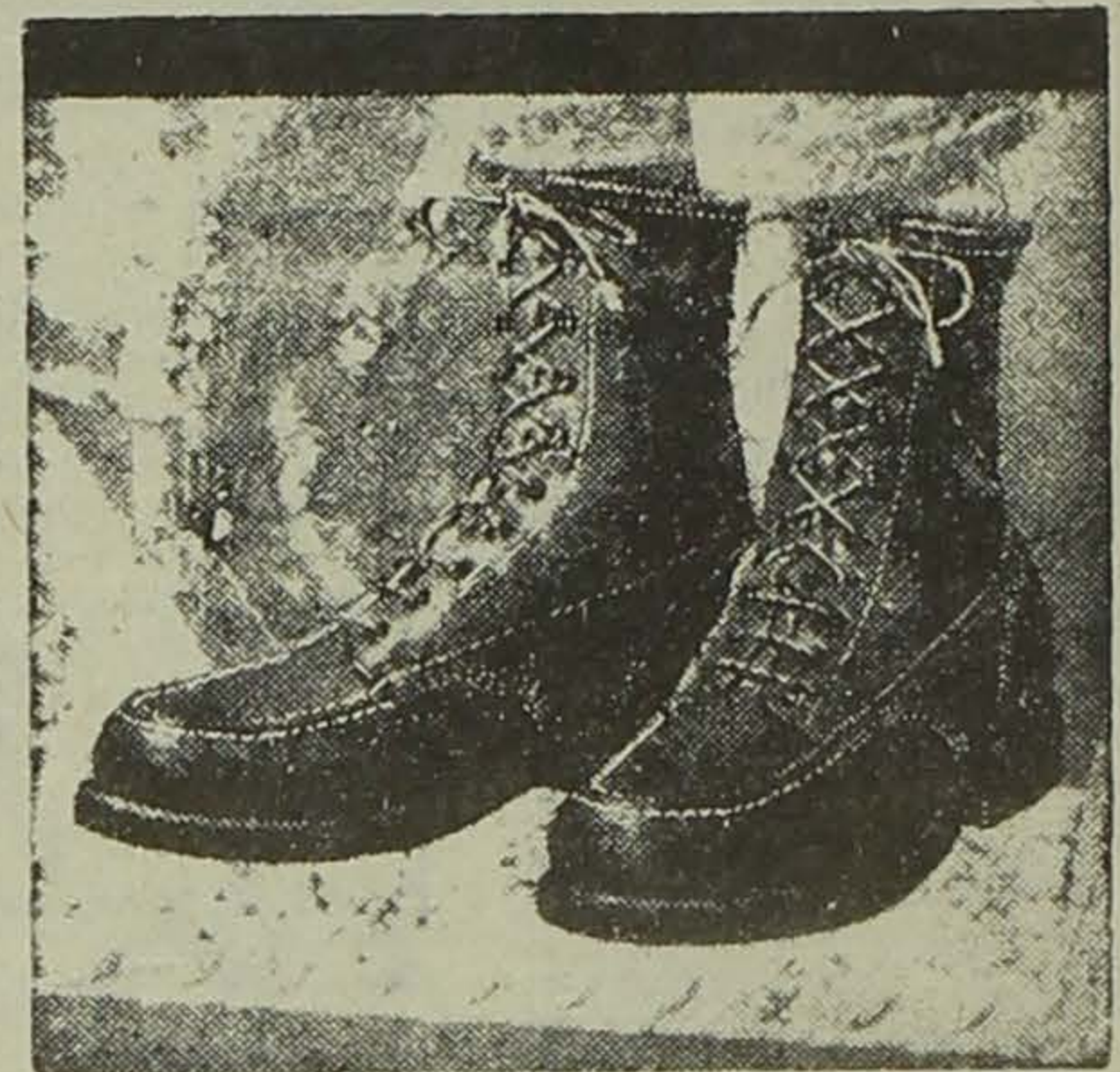
Financial help for some projects can be sought from SCS districts, these are state funds or from ASCS office, federal funds. Projects are funded at 50 per cent or less.

Because of a shortage of funds not all applications were approved and those that were approved were often made at less than the 50 per cent figure. Keep trying! If you want funds be sure to sign up during the sign up period at the SCS or ASCS offices. The planning is

free on terraces and retarding structures even if you go ahead without waiting for financial assistance from the government.

The most successful river rejuvenation program in the U.S. was that of the Willamette River in Oregon. It was so polluted less than 10 years ago that even resident species of scavenger fish perished from the dumping of agricultural, industrial and human waste in the river.

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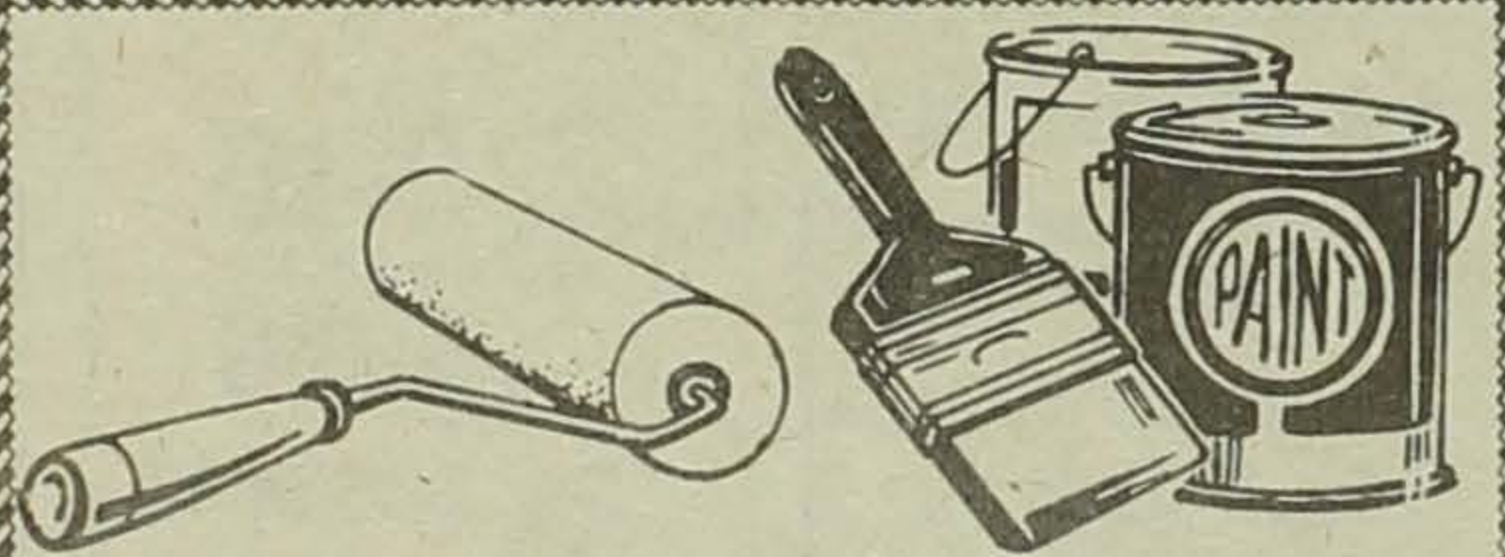
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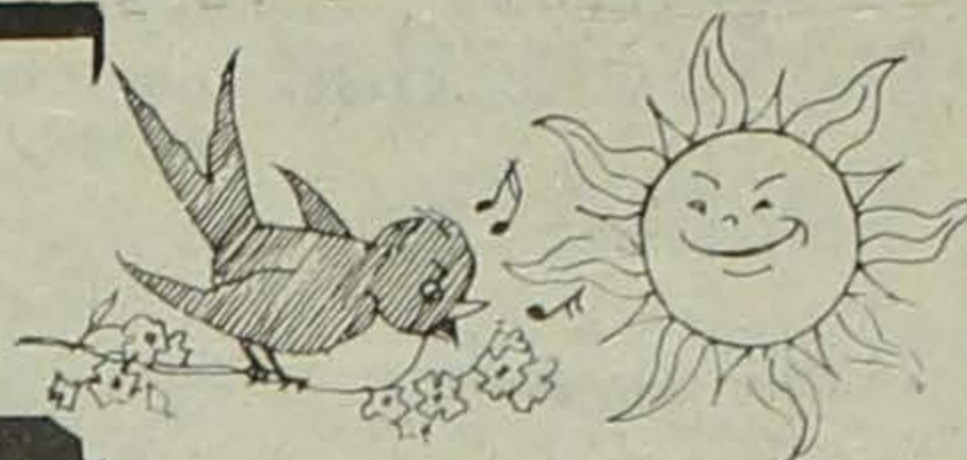
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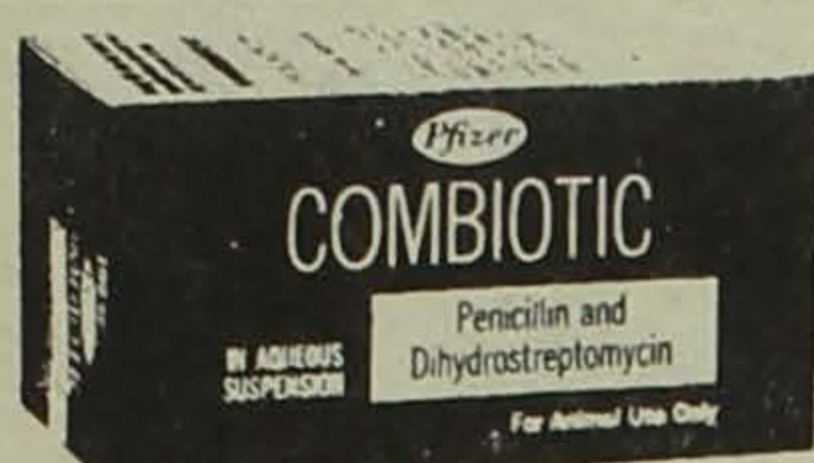
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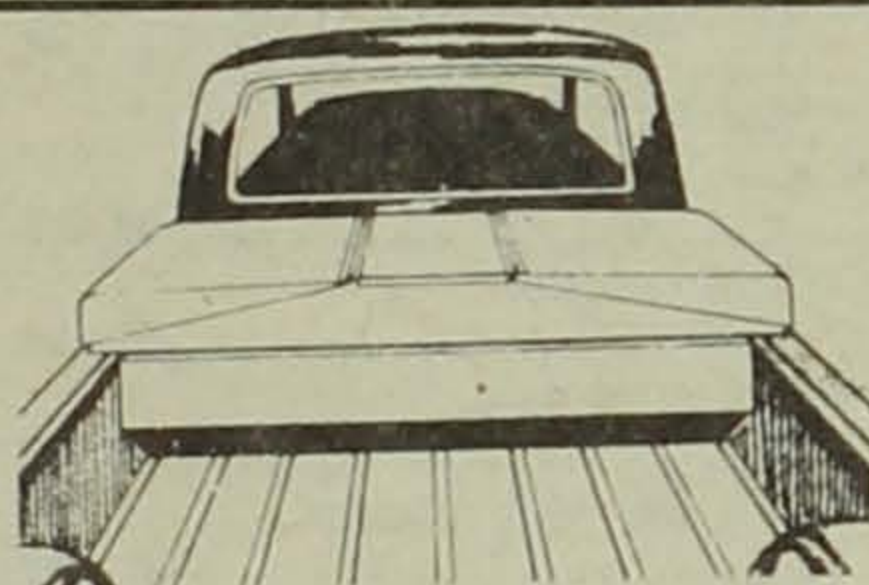
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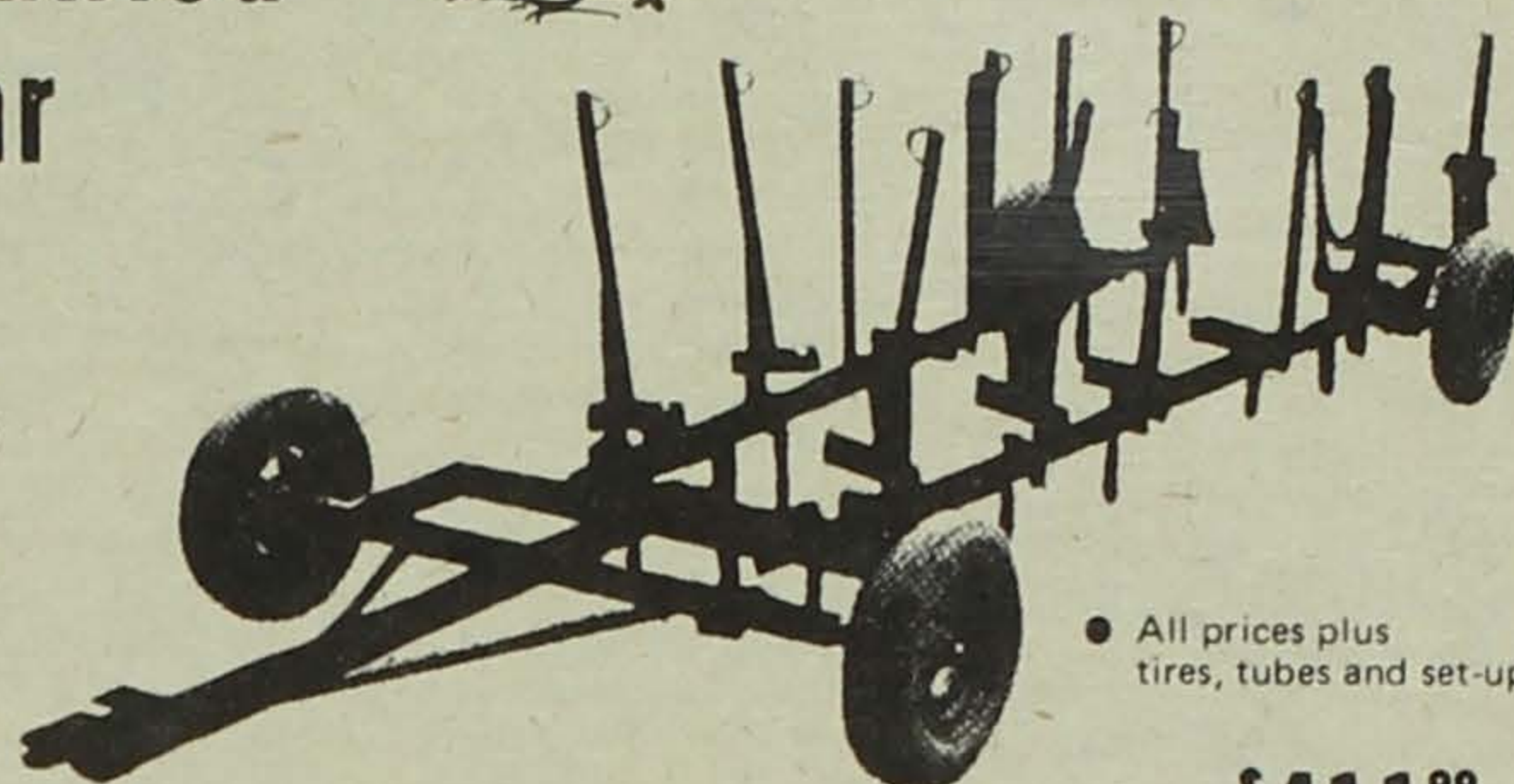
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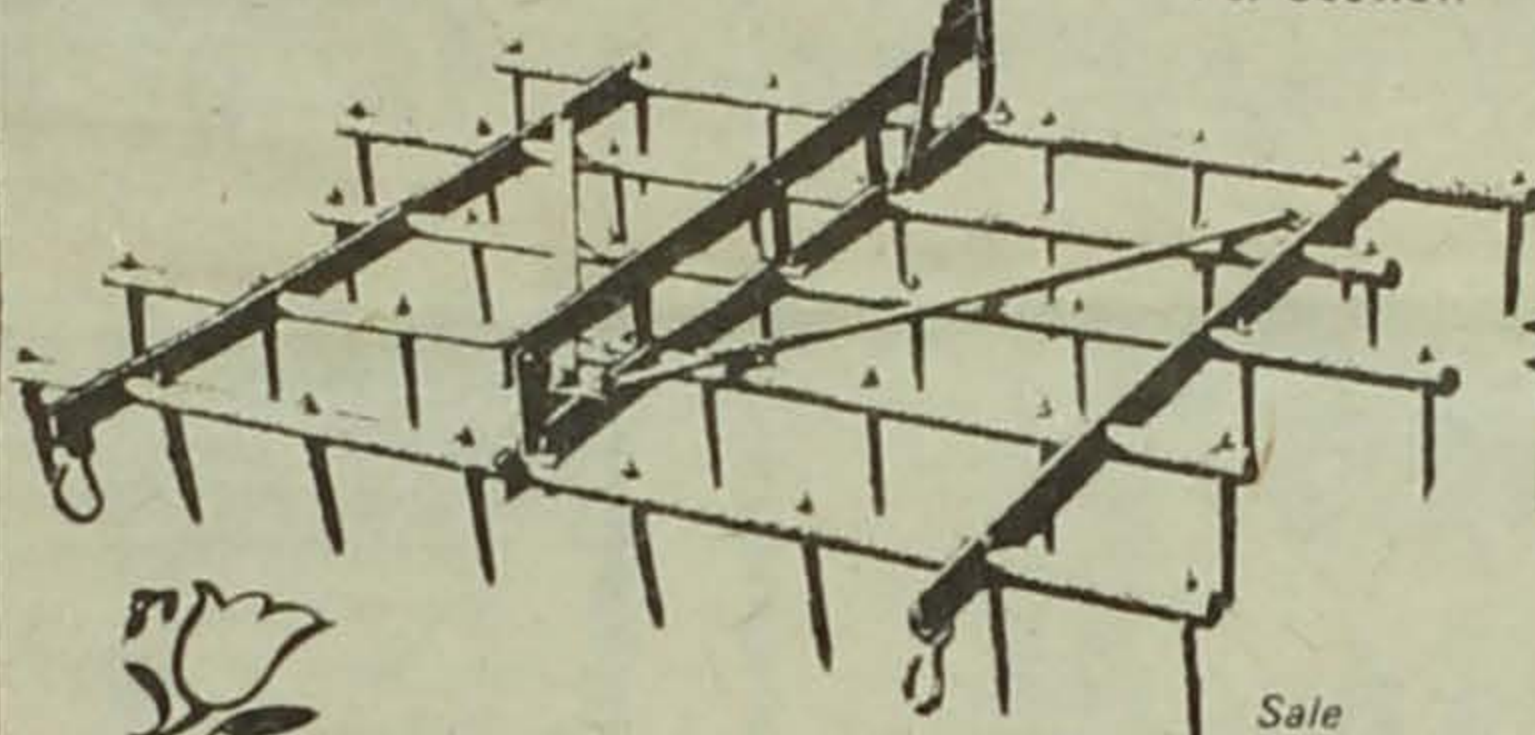
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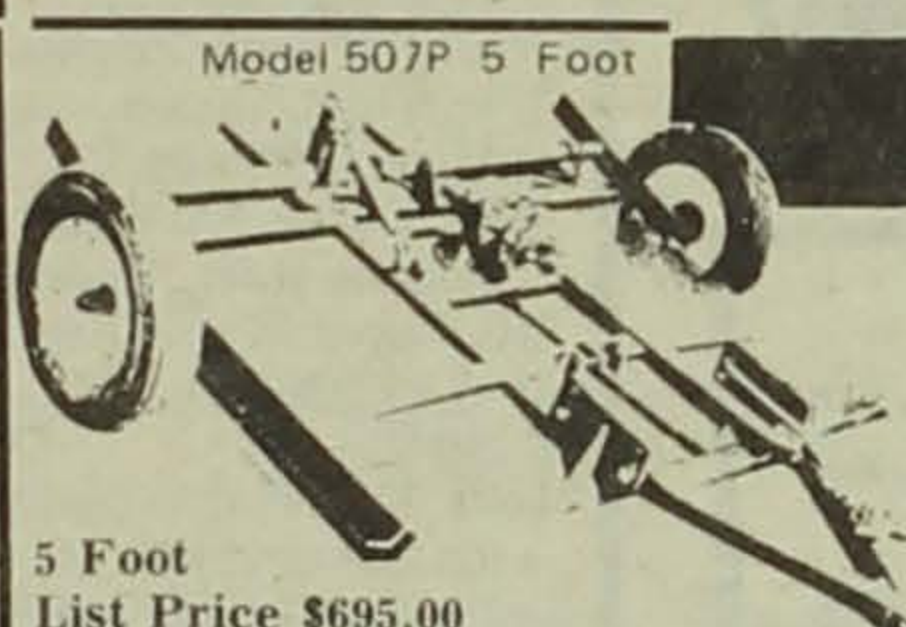


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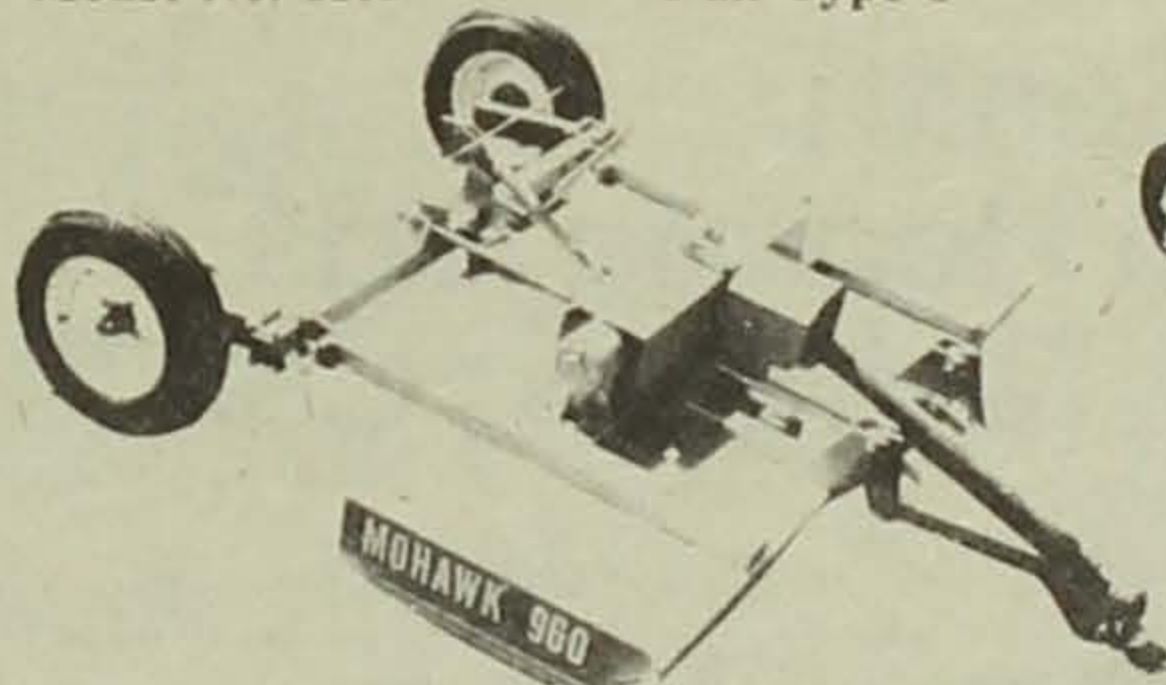
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More Protection Is Needed For Nation's Soil

By William J. Brune,
State Conservationist.

Did you know that on our unprotected sloping soils in Iowa, we're losing an average of two bushels of topsoil for every bushel of corn we produce? That's right. In other terms, it's 13 tons of topsoil an acre each year, or an inch of topsoil loss from soil erosion every 12 years. And, in the short time we've been farming this land, we've lost about half our topsoil. All this in the face of increasing pressures for more food production!

That's what makes soil conservation work more important than it's ever been before. We can't continue to let our number one resource in Iowa be washed down the river.

One-Third Protection

Conservation farmers in Iowa have helped protect a little over a third of our land against soil erosion. While that is significant progress, it also points out the fact that progress has been slow, and that most of the job lies ahead of us.

Encouraging results are being shown in conservation (minimum) tillage. The practice of leaving crop residues on the soil surface to protect it has grown from virtually no acres in 1960 to over six million acres this year. If 3,000-4,000 pounds an acre of this residue is left on the soil surface, erosion is generally cut by half. Simply disking or using a field cultivator or similar

machine, rather than plowing, leaves the residue on top of the ground.

Practical Choice

More than a fourth of our cropland is conservation tilled now, and we have potential for the practice all over Iowa. Conservation tillage is our most practical choice for reducing erosion in Iowa significantly during the 1970s; other practices like terraces are very good, but we just can't get them built soon enough.

Cass County is leading the state in number of long term cost-sharing agreements. We believe the agreements are a sound approach to getting more conservation applied to the land — they require that a landowner protect his entire farm against erosion in a period of 3-10 years. In return, the farmer gets cost-sharing for all the work. This complete conservation system approach is a good one.

As we strive to produce more food, we need to remember we have to keep our resource base protected. This involves both protecting our poorer agricultural land against erosion and seeing to it that prime agricultural land is preserved for producing food.

William the Conqueror ordered a tax inventory taken of every item on every estate in his kingdom and the results were recorded in a giant volume known as his "Domesday Book." The book is nearly 900 years old, but the original copy is still in the Public Record office in London.

Cooperation Needed To Save Soil



By Max H. Miller,
District Commissioner

Two hundred years ago Cass County was prairie with buffalo and Indians.

My grandmother came to Cass County about 110 years ago and the land was still mostly grass with very little of it broken up for row crops.

As this is mostly rolling land our erosion problems increase in almost direct proportion with the amount of land under cultivation.

Today in Cass County there is very little land left that has not been plowed at one time or another.

The Soil Conservation Service arose out of the dust bowl days

of the thirties and began cooperating with the Soil Conservation Districts in the 1940s. We have made progress. There are many miles of terraces also structures, waterways and tile to help hold the soil.

Now — how do we keep enough soil in place so we can still produce food 100 years from now? We need cooperation among our Soil Conservation District, SCS, Extension, ASCS,

and each and every farmer. This cooperation coupled with the technology and wisdom we have will allow us to keep on producing food indefinitely.

In 1834, while exploring Asia Minor in search of a Roman settlement, Charles-Felix-Marie Texier discovered the ruins of the ancient Hittite capital of Hattusa about 90 miles east of present-day Ankara, Turkey.

PIANO TUNING

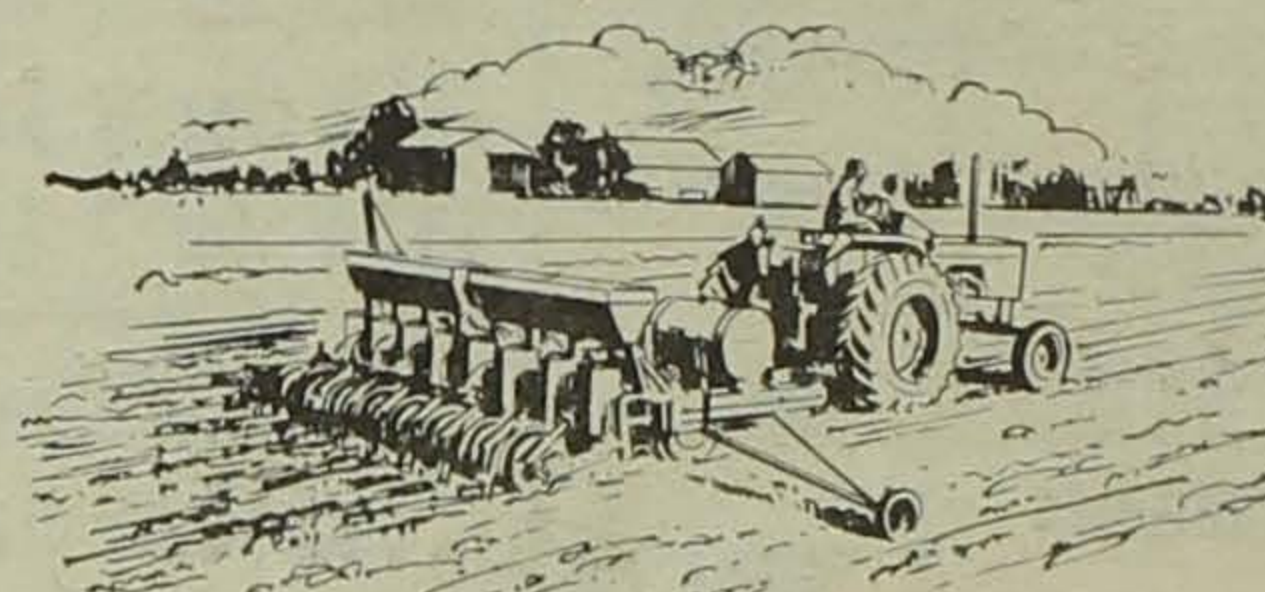
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1972 John Deere 4320, diesel with Hiniker cab, wide front, diff. lock, dual controls, new 18.4x38 tires.....	\$15,700
John Deere 4010 diesel with WS, Cozy cab, dual controls, 3 pt.....	\$8,250
IHC 706 gas, with 3 pt., 540 and 1000 PTO, NF, New paint.....	\$5,350
IHC 560 diesel, FH, WF, 3 controls, 2 sets of wheel weights for rear, completely reconditioned.....	\$4,350
Oliver 77 with Koyker loader with hyd. bucket.....	\$1,695
IHC 460 LPG with NF, FH, 3 controls	\$2,450
John Deere 730 diesel, electric start, fenders, real sharp.....	\$3,495
IHC Super M with live PTO, new paint.....	\$1,895
IHC 350 G, FH, NF	\$1,695

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John Deere plate type with compaction runners, covering knives, insect., Hiniker row tiller.....	\$2,495

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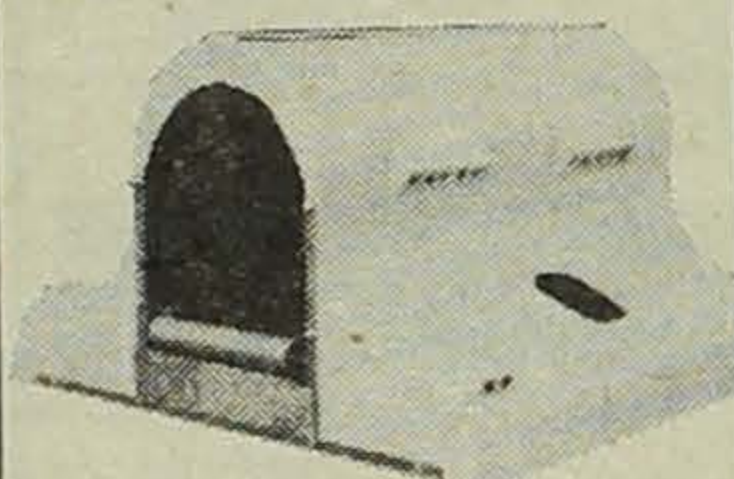
1970 1/2 ton Dodge Challenger camper Special with 56,000 miles, power steering and brakes, automatic transmission, 383 engine, dual fuel tanks	\$1,595
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Crustbuster 14 1/2 foot double offset disc with hyd. fold, 24" blades	\$4,350
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List Conservation Program Of Cass ASCS Agency

By Paul D. Peterson,
County Executive
Director

The Cass County Agricultural Stabilization and Conservation Service (ASCS) Committee and office staff appreciate the opportunity to present its report as a part of the Cass County Soil Conservation District Annual Report for 1975.

The county committee composed of Dean Elits of Wiota, Folmer Nelson of Anita, and Charles Miller of Massena are the policy and decision making body of ASCS programs in the county.

The office staff of myself as CED and program assistants, Elaine Martens and Mary Jo Donohoe, are responsible for the day to day operations of the County ASCS Office.

One of the major programs of ASCS is the Agricultural Conservation Program (ACP). This program provides federal cost-share assistance to county landowners to establish conservation practices on their respective farms. For the 1975 program \$59,914 was made available to county producers to provide 50 per cent cost-share assistance.

The Soil Conservation Service received \$2,996 through ASCS for technical and lay-out services for the practice applications approved by the County ASC Committee.

Practices approved and cost-shared included permanent vegetative cover seedings, terraces, diversion terraces, waterways and water impoundment reservoirs.

In 1975 the county committee approved two farms for long term conservation agreements. They were Indian Creek farms in Brighton Township and owned by Richard and Douglas Redinbaugh and the Dr. Miriam Kapfer farm in Cass Township.

During the life of the agreements the Redinbaugh farm will receive \$16,661 and the Kapfer farm will receive \$8,541 in federal cost-share assistance for a complete conservation plan for the farms.

With the two farm approvals for long term agreements for 1975, this makes a total of ten agreements for Cass County. This number for the county is more than any other county in the state.

Yes, there will be an ACP Program for 1976. Landowners will be notified through the news media and an ASCS

county wide newsletter when details of the program are announced.

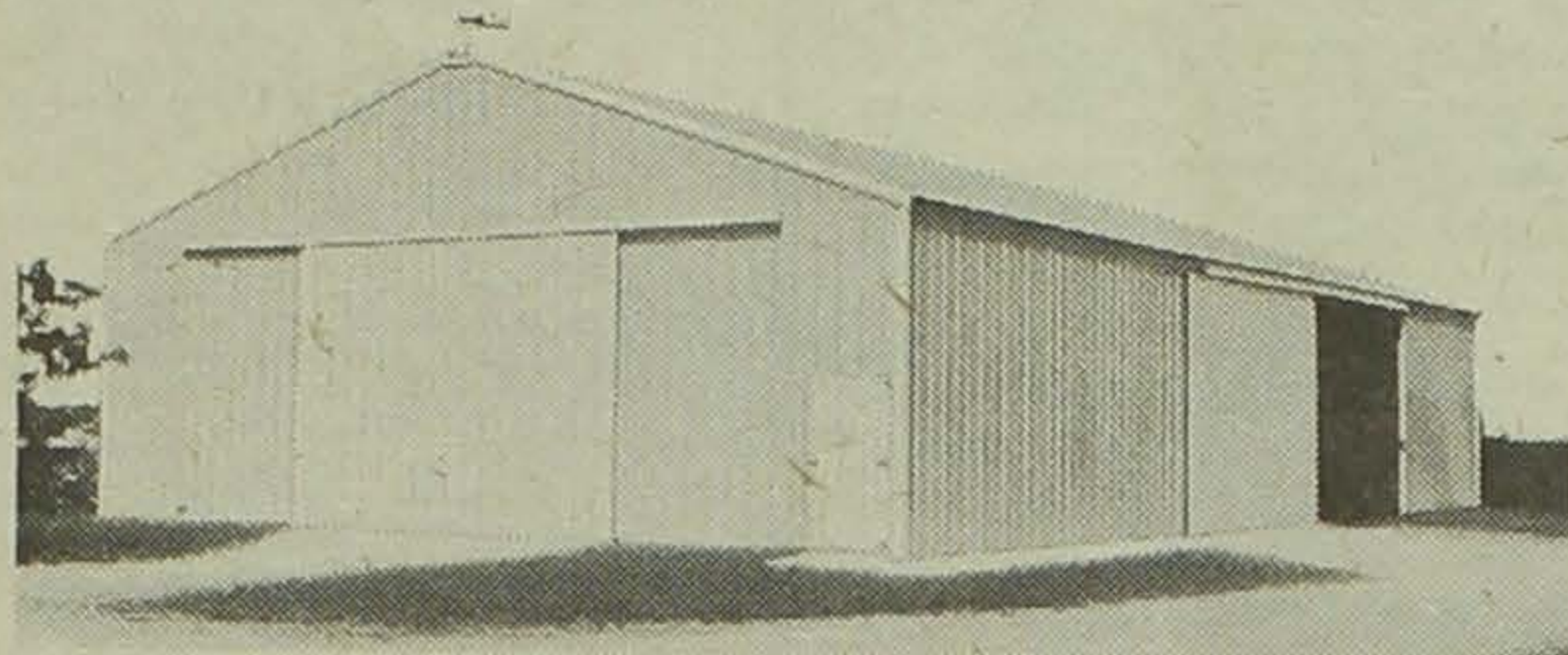
The question often arises whether federal cost-share

assistance should be made available to conserve water and soil for future generations. To assure adequate food supplies in the future we all have a stake,

rural or urban, in making sure the soil, our most vital natural resource, is conserved for use of future generations.

The Delaware river is likely to continue flowing free to the sea because the Army Engineers have given up on the Tochs Island dam project.

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Bus Tour

By Margaret Hays
Of Hamlin

Final Chapter

The chief denies my request for more coffee and urges me to finish the scrambled eggs huddled on my breakfast plate.

After a quick trip to three more divisions of Farmland Industries, we will head north to Iowa and home. Our bags are packed and ready to stow in the bus.

It's been a good trip, but now it's time to can more string beans, water the thirsty geraniums on my patio, and watch a pot roast sizzle on my own stove.

I push the scrambled eggs around on my plate and consider farmers and their wives. What is this force, so strong and

deep-rooted, that ties us to the land?

Once long ago, when I hoped to become the Grandma Moses of the writing world, I tried my hand at philosophy and wrote, "Those who are close to the soil have been rejected by it many times and have at times bitterly rejected it and left it in despair. But wherever we go, we are, in a sense, a band of wanderers. The rush of spring rain reminds us of rain on a field of young corn--"

Enough of philosophy so early in the morning. The scrambled eggs remind me of all the farm creatures we saw at the research farms. I will always remember Cow 37. She was the producing pride of the farm, treated like a dowager queen and spoken of with hushed tones. I expected her to look regal.

Instead of making her exit from this world by way of a truck bound for the stockyards,

Cow 37 was retired to spend her last days in contemplation of her colorful past. I approached her pen with a feeling of awe.

My goodness! She didn't look regal. She looked like a lot of other grandmas, a bit stiff in the knees, having a little trouble with her teeth, and looking forward to an afternoon nap.

Off we go, to visit the main offices of Farmland Industries. Hundreds of people on similar tours are trotting up and down stairs, in and out of offices, and trying to maintain a semblance of order in their march.

In the lobby we are impressed by a mural depicting the benefits when farmers work together through cooperatives. Farmers gather under a shade tree and exchange ideas. Farm animals and machinery are painted into the background. A brown hen gazes at a white egg. As pointed out by our tour guide, this is the only flaw in the mural. Brown hen, brown egg.

In the printing division, workers turn out printed matter from office memos to the Co-Op newspaper. I never saw so much paper. The small one would go wild at the sight of so much paper for drawing, painting, cutting and pasting. Could I beg some for her? As the chief beckons me on, I discard the idea.

We tour the school for management trainees, where men with the knowledge of farming and farm background are trained in cooperative management.

We visit the paint division where I am stunned at the sight of so much red, white, blue, and green paint being stirred packed and stored.

North to Iowa through the summer sunlight. In late af-

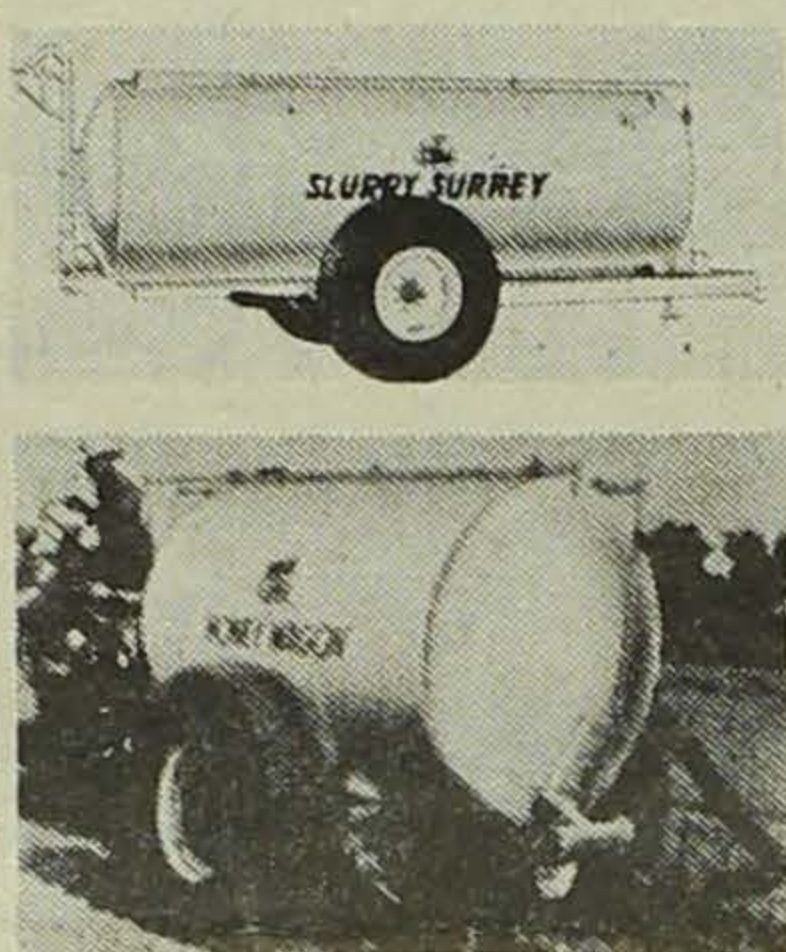
ternoon we roll by the Hamlin intersection. At the unloading point in front of the Audubon Co-Op, I stand with my bags while the chief brings the car.

With part of my mind. I ab-

sorb the fact that we still have no rain. The drouth-ridden grass in our yard crackles as I cross it toward the kitchen door. Nevertheless, I am glad to be home.

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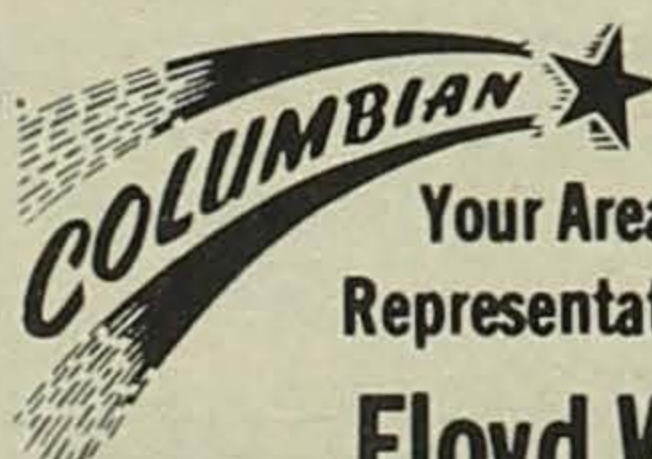
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Erosion Takes Toll Of Farmland

By Bill Willis,

District Conservationist

Good money and sometimes a lot of money changes hands to buy land. Hard work and usually a lot of it is required to make a farm out of the land. The first time a good hard rain comes along, the best part of that farm and that land goes down the drain. It goes down the drain because erosion takes place and because nothing is done to prevent it.

Iowa has about 20 million acres of good, productive cropland but about 25 per cent of that land loses more than 10 tons of soil per acre per year. If an acre-inch of topsoil weighs about 150 tons, it takes only 15 years for erosion to remove an acre inch of soil from 20 million acres. It's no wonder that the creeks and rivers are choked with mud.

Economic Loss

A University of Missouri study on crop yields compared to erosion losses dramatically illustrates the economic loss caused by losing topsoil. On slightly eroded fields, corn yield was 112 bushel an acre.

On moderately eroded fields the yield dropped to 96 bushels. On severely eroded land, yields dropped still more to 87 bushels.

If corn were selling for \$2.30 per bushel, erosion alone would reduce gross income by as much as \$57.50 per acre. In the same study, soybean yields also decreased in the same proportion.

It takes a jamor investment to plant a crop with the costs of seed, fertilizer, herbicides, and insecticides, plus machinery and land costs. When erosion occurs, a certain portion of the fertilizers and chemicals also leaves the field along with the soil.

An example is the case of the chemicals Aldrin and Dieldrin that causes excessive levels of water pollution. The pollution caused by the chemicals attached to soil particles were transported into the streams by soil erosion.

Disappointment

Fertilizers and chemicals lost through erosion are not left on the field to do the job for crop production. The loss of soil, plus the loss of chemicals, plus the loss of yields adds up to real financial disappointment. There is some insurance against these losses in the form of conservation practices.

Conservation practices such as terraces, minimum tillage, contouring, stripcropping, and waterways perform one major function — topsoil is left in place where it belongs. Contouring, compared to up and down hill farming can reduce soil loss by as much as 50 per cent.

Stripcropping with a rotation



can reduce soil loss even more. The Cadillac of all conservation practices is the terrace which can reduce soil loss well below maximum allowable limits.

Too often the statement is made that erosion just doesn't happen on a certain piece of land. This is almost always a case where sheet erosion is taking place and erosion can't be seen as it is when rills and gullies form.

Erosion is also evident when grassed waterways fill and become high in the center.

Where does the silt come from that filled the waterway? From the side slopes, of course, as a direct result of erosion.

The day is long gone when a farmer could wear out one farm and move on to another. Competition for land is keen and prices per acre paid today were unheard of a few years ago.

All this points to the fact that it is more important than ever before to keep the soil in place where it belongs. Whenever soil moves the economic loss is greater than it ever has been.



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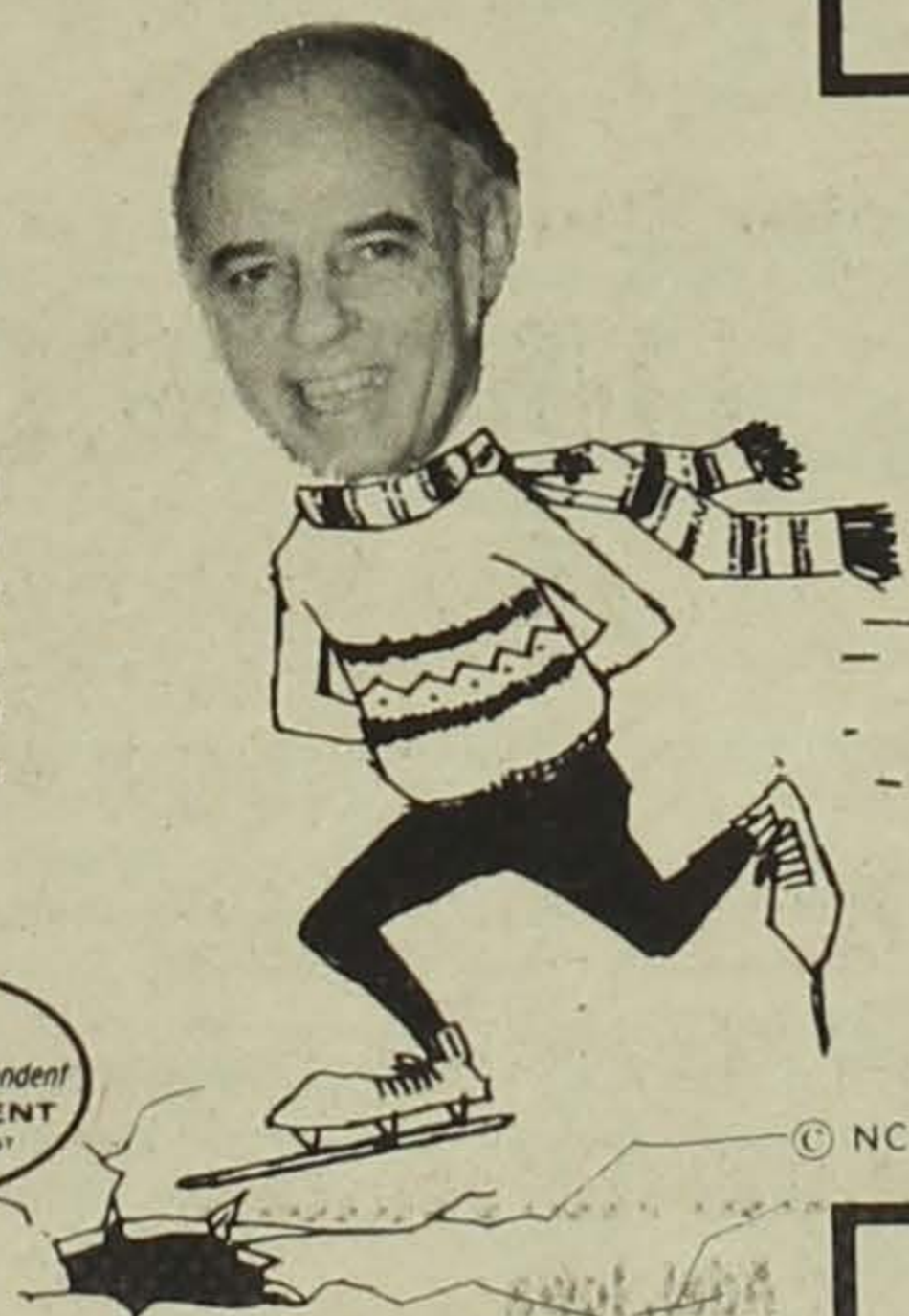
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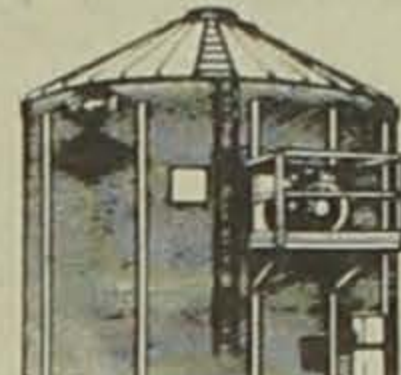
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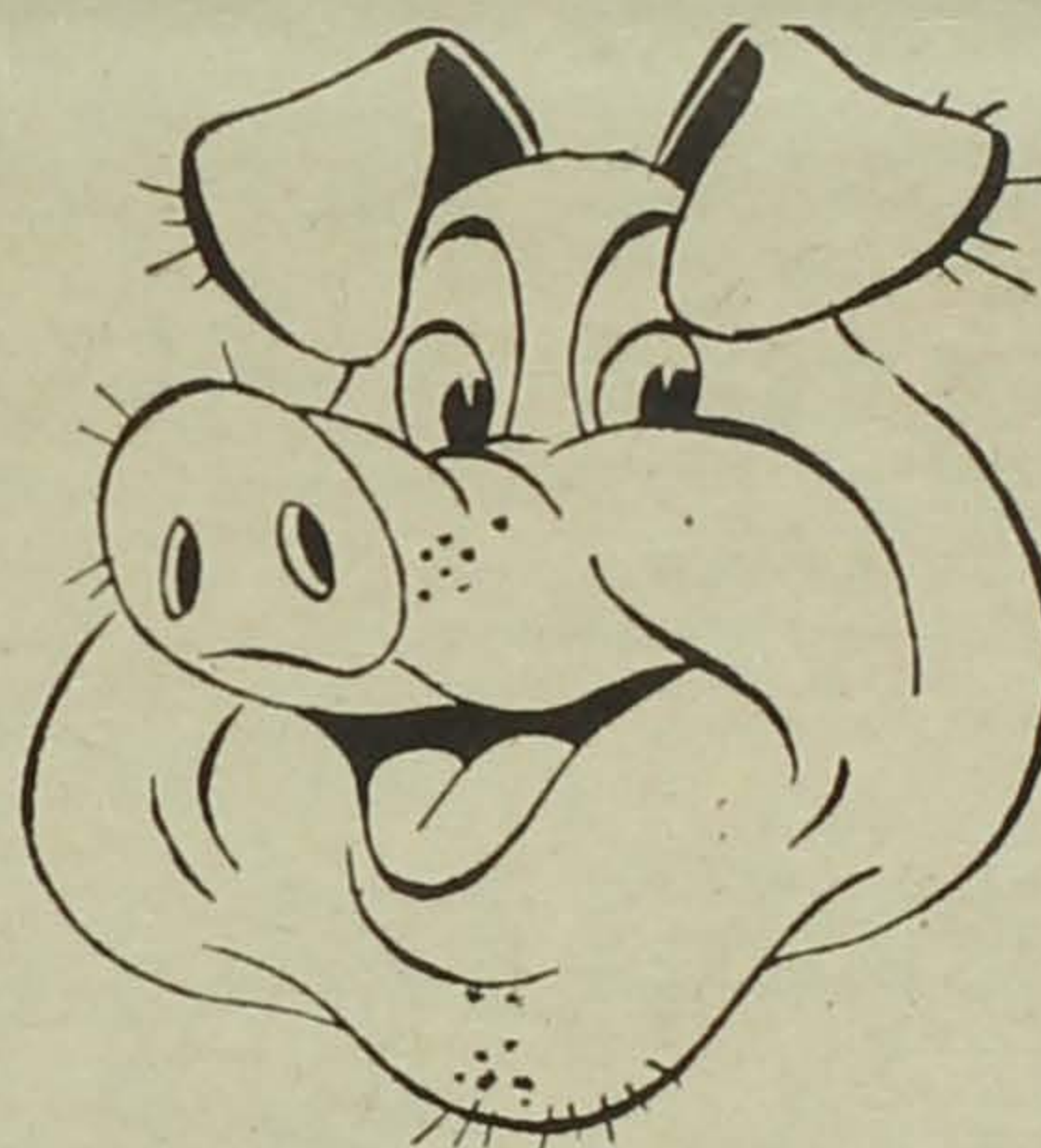
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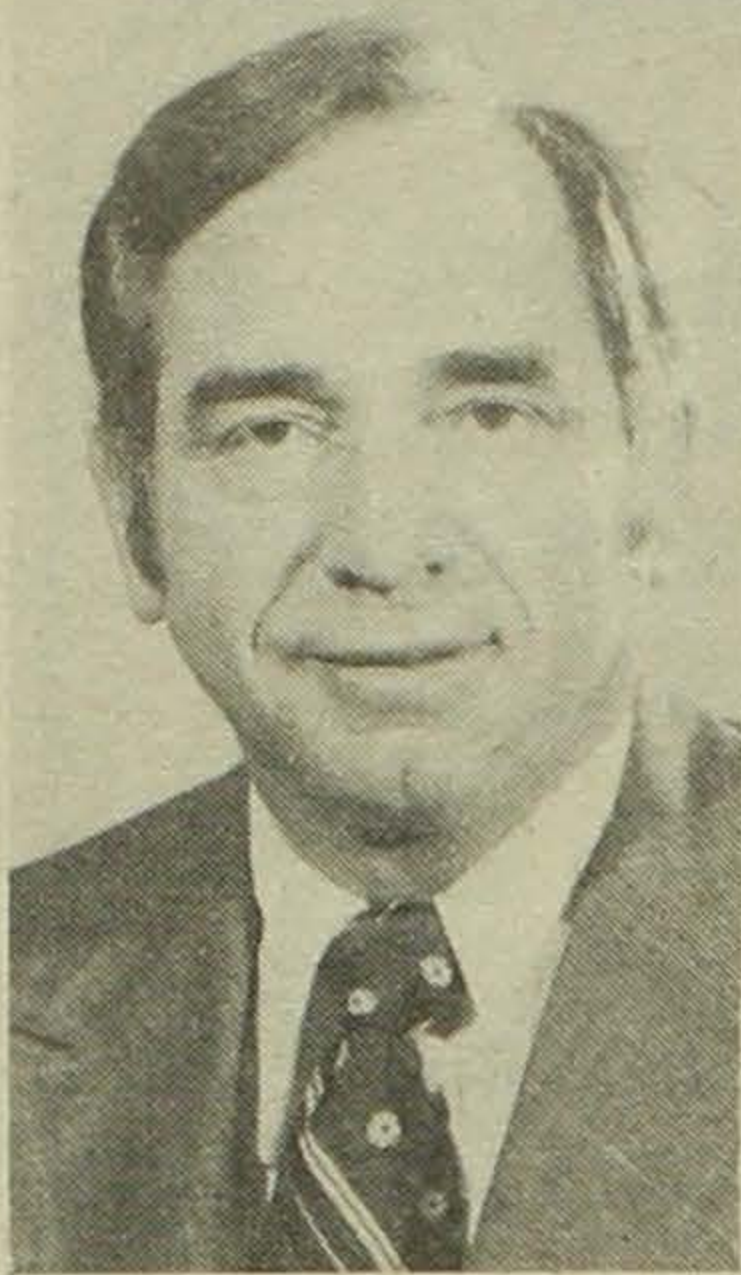
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Iowa's Soil Conservation Program



By William H. Greiner,
Director
Iowa Department of
Soil Conservation

The State of Iowa began a program in 1973 that will have lasting benefits to its agricultural lands and to the environment. This program is known as the state soil conservation cost-share program and it provides funds to agricultural landowners for the construction of certain soil conservation practices.

Gov. Robert Ray and members of the Iowa General Assembly are to be complimented for their wisdom and farsightedness in providing funds for this important work. The appropriation is made to the Iowa Department of Soil Conservation which in turn allocates the funds to each of the 100 soil conservation districts throughout the state.

This allocation is on a needs basis and utilizes information from the conservation needs inventory which lists the lands in each soil conservation district that need conservation practices. The formula that is used allocates the most funds to those districts where the need is the greatest and the districts with fewer problems receive less funds.

The practices that are cost-shared are those that are generally thought of as permanent practices including terraces of all kinds, erosion control structures, waterways, diversions, field windbreaks, tree planting, and seeding of critical areas.

Appropriations

The original appropriation in 1973 for this program amounted to \$1.5 million for each year of the 1973-75 biennium. However, the second session of the 65th Iowa General Assembly appropriated an additional \$500,000 for each year of this biennium making \$2 million as the total amount available for each fiscal year.

The 66th Iowa General Assembly in 1975 appropriated \$2.5 million for the 1975-76 fiscal year. The Department of Soil Conservation has submitted a request to the governor and General Assembly for \$4 million in cost-sharing funds for the 1976-77 fiscal year. This request will be acted upon by the General Assembly.

Categories

The cost-share program is divided into three categories. One category is 50 per cent cost-sharing for landowners who voluntarily install conservation practices. Another is a special project category which is used on those watersheds above publicly owned lakes and reservoirs and this is also at a 50 per cent cost-share rate. The third category is one in which landowners can receive 75 per cent of the cost of installing a conservation practice when he

or she is under mandate of the local soil conservation district to abate a soil erosion nuisance under Chapter 467A.48 of the Code. (This is generally known as the Iowa Sediment Control Law.)

The soil conservation districts require that a landowner be a cooperator with the district before cost-share funds can be made available for the voluntary and special project categories. However, in the 75 per cent category, where conservation practices are mandated, the landowner need not be a cooperator with the district.

Applications

It is interesting to note that during the 1973-75 biennium a total of 8,503 Iowa landowners made application to their local soil conservation districts for state cost-share funds to assist with the application of soil and water conservation practices on their lands. A total of 4,405 applications were approved and districts obligated funds in the amount of \$3,537,195 for the conservation practices to be installed.

Conservation practices approved include 1,587 miles of parallel terraces and 246 miles of other terraces; 857 erosion control structures; 1,357,768 lineal feet of waterways; plus small amounts of other eligible conservation practices. (Note: The amounts of practices just mentioned were approved for cost-sharing; however, not all of them were completed during the 1975 fall construction season.) All of the conservation practices applied under the program cost farmers \$7,517,713 and of this amount \$2,224,184 was reimbursed to them by the Iowa cost-share program. That means \$1,313,010 was still obligated but not spent as of July 1, 1975. On many of the projects additional cost-share funds were available through the federal USDA cost-share program administered by the Agricultural Stabilization and Conservation Service (ASCS).

Stimulation

The Iowa cost-share program has been a tremendous catalyst in stimulating the application of soil conservation practices on Iowa lands. The members of the State Soil Conservation Committee (the policy making body of the Department of Soil Conservation) are of the opinion that the 1975 fall construction season will establish a record for the number of conservation practices applied during a construction season. Many districts throughout the state exhausted their state cost-share funds during the fall of 1975.

The Cass District was given an original allocation of \$31,000 for the 1975-76 fiscal year; and when this amount was used, an additional allocation was made to the district in the amount of \$15,500 for a total allocation of \$46,500. It is recognized that this amount is not enough to complete the job that needs to be done; however, it does assist in helping to meet the conservation needs of landowners in the Cass District.

The Cass County Soil Conservation District Commissioners and the district staff — including state and federal personnel — are to be complimented for the excellent job they have done in administering these state cost-share funds. This type of local leadership has been the key to the success of the Iowa cost-share program.

It took Martin Luther only two and a half months to translate the New Testament, but ten years to translate the rest of the Bible.

1975 ANNUAL

COMMISSIONERS ACTIVITIES

January

District Commissioners attended the Annual Short Course held at the Memorial Union in Ames on January 21 and 22nd.

The District Conservationist attended a Training Session in Lincoln Nebr. Jan. 6 thru 10th.

February

Gene Eyberg entered on Duty Feb. 10th. He is the SCS technician who was transferred to the Cass District from Indianola.

The Annual Meeting of the Turkey Creek Watershed board was held in the Extension meeting room on February 14th at 1:30 P.M.

Commissioners held a meeting with the Legislators at Van's Chat & Chew at 11:00 A.M. to 1:00 on Saturday February 15th.

A MAPA meeting was held in Omaha on February 26th and was attended by the Commissioners.

March

The Annual Meeting of the Troublesome Creek Watershed was held March 11th at 1:30 P.M. at the Brayton Town Hall with Commissioners in attendance.

Commissioners attended the Regional meeting held March 12th at Sogard Inn in Audubon. Commissioners from 10 Southwestern Iowa counties were in attendance, at the all day meeting.

Commissioners and members of the Turkey Creek Watershed Board were present at the hearing on the county land fill held at the Cass County Court House on March 14th at 2:30 P.M.

The Annual Meeting of the Turkey Creek Watershed was held in the Extension Meeting room on March 20th at 1:30 P.M. Commissioners attended and then returned to the SCS office for their regular monthly meeting that night at 8:00 P.M.

A meeting for all earthmoving contractors in Cass County was held on March 21st at 1:30 P.M. Commissioners and contractors discussed cost-share programs, hourly rates, and other pertinent matters during the meeting.

A meeting of the Indian Creek watershed was held at 7:30 P.M. on March 25th.

April

The Annual Meeting of the Crooked Creek Watershed was held at the Jesse James Restaurant in Adair on April 22nd at 7:30 P.M.

A meeting of the RDC Committee was held April 24th at 6:30 P.M. at the Country Squire Motel.

May

Cass County youth participated in the Soil Conservation Speech contest held at the Whitney Bank on May 15th at 8:00 P.M. Prizes were awarded by the District to Dan McDermott, David Denne and Bill Sandbothe. The topic for the contest was "Land Use Planning — Insurance for Mankind".

Soil Stewardship Week was observed May 4-11th with the District supplying Cass County ministers with materials for distribution and booklets to aid in sermon preparations, stressing soil stewardship and conservation of natural resources.

June

Commissioners attended a meeting with the State Soil Conservation Committee in Des Moines on June 5th, concerning the status of the Nodaway watershed.

The summer meeting of the Soil Conservation Society of America was attended by personnel at the Terrace Inn Motel in Newton, on June 6 and 7th.

Don Mumm, of the Des Moines Register, visited Cass County farms with long-term agreements and interviewed the landowners, on June 11th.

William Brune, State Conservationist and Dr. Edgardo Weir of Argentina visited Cass County farms to view conservation practices and made a field review of the Indian Creek Watershed, on June 24th and 25th.

July

The Queen of Conservation Contest committee met on July 1st, to formulate plans for the Contest to be held during the 4-H and F.F.A. Fair.

Commissioners Regional Meeting and Regional Speech contest was held at Knox Knolls park near Guthrie Center on July 2nd. Dan McDermott represented Cass District in the Speech contest and placed third in the Regional competition.

The District Office Clerk attended a training meeting for Clerk's held at the Holiday Buffet in Harlan on July 29th.

The Conservation Department of the Atlantic Junior Federated Women's Club held an afternoon tea on July 25th to honor the Cass County Queen of Conservation candidates.

August

The Cass County 4-H and F.F.A. Fair was held during the week of Aug. 4-8th.

The Queen of Conservation Contest sponsored by the Cass County Soil Conservation District was held on stage at 7:00 P.M. August 5th.

Commissioners met on August 15th to allocate State Cost-share funds in the amount of \$31,000.00. Additional allotments of \$5,000.00 and \$10,500.00 were received resulting in 38 applications for terraces being approved.

September

Commissioners attended the SWIPCO Regional Planning meeting held at the Oakland Savings Bank in Oakland at 7:30 P.M. on September 4th.

The District Commissioners Annual Conference was held at Hotel Savery in Des Moines on Sept. 7, 8 and 9th and was attended by Commissioners, wives and District Office Clerk.

A meeting of the Indian Creek Watershed Board was held at the Colonial Inn at 7:30 P.M. on September 23rd.

Commissioners attended a public hearing by the Corps of Engineers on dredge and fill proposals at 1:00 P.M. on September 25th at the Civic Auditorium in Omaha.

Commissioners attended a SWIPCO meeting held at the Citizens State Bank in Oakland at 7:30 P.M. on September 29th.

AL REPORT

October

The annual Meeting of the Soil Conservation Society of America was held in Ames on October 29th. On October 29th a soil judging contest was held in Fremont County with the Atlantic team placing second in the competition.

November

The Cass County Conservation Education Committee was organized at a meeting November 6th at the request of the Cass County Soil Conservation District Commissioners. As a result of this meeting a Poster Contest was introduced in the schools for all Cass County fifth graders. Prizes were awarded each month to all schools entered. Posters are judged and prizes awarded by the District Commissioners.

December

The C. and Soil Conservationist attended a training meeting in Council Bluffs on Dec. 9 and 10 and the Soil Conservationist was in Des Moines Dec. 16, 17 and 18th to attend a training session. 12 regular and 4 special Commissioners meetings were held during the year.



William C. Pellett, Max H. Miller, George W. Hosfelt, Lawrence E. Blum, William A. Fudge, G. M. Baier, Gilbert Wehrman, Tom Mall.

We, the Cass County Soil Conservation District Commissioners, wish to express our thanks to all those named below, as well as many others in the area, for their fine cooperation over the years in helping to advance the cause of Soil and Water Conservation in Cass County. We feel a great responsibility in conserving our most valuable natural resources — the soil and water — for future generations and only with the help of everyone can this goal be realized. We thank all those who have helped us to advance in this great enterprise.

SOIL CONSERVATION DISTRICT COMMISSIONERS

DISTRICT PERSONNEL

Gay R. Johnson Office assistant

SOIL CONSERVATION SERVICE

William E. Willis District Conservationist
Jay Ford Soil Conservationist
William E. Eyberg Conservation Technician

EXTENSION SERVICE

A. Daniel Merrick, Co. Extension Director
LaVoie Eblen, Extension Home Economist
Kitty Williams, 4-H Aide
Rita Sullivan, Office Assistant
Bev Gunderson, Office Assistant

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE

Paul Peterson, County Executive Director
Elaine Martens, Administrative & Price Support Clerk
Mary Jo Donohoe, RECP & Feed Grain Clerk

County Committee
Folmer Nelson, Vice-Chm.

Charles Miller

FARMERS HOME ADMINISTRATION

Forrest D. Vermillion, County Supervisor
Dwight Veldhuizen, Ass't. County Supervisor
Gary L. Ludington, District Director
Sam L. Irvin, Construction Inspector
Ken Danilson, Emergency loan Supervisor
Shirley A. Winston, County Office Assistant
Mae R. Nissen, County Office Clerk
Carol Schlueter, Emergency loan clerk

CASS COUNTY SOIL CONSERVATION DISTRICT ACCOMPLISHMENTS

CONSERVATION PRACTICES APPLIED IN 1975

Name of Practice	Unit	Amount
New District Cooperators	No.	31
Landowners requesting assistance	No.	353
Landowners applying a practice	No.	122
Conservation Plans prepared	No.	26
Conservation Plans revised	No.	3
Contour	Ac.	1094
Terrace	Ft.	44,450
Diversion	Ft.	2,200
Ponds	No.	4
Structures	No.	10
Waterways	Ac.	61
Tile	Ft.	353,882
Land adequately treated	Ac.	2,250

FINANCIAL REPORT

	RECEIPTS	DISBURSEMENTS
Allocation	1-M Budget	
Commissioners mileage	\$2000.00	\$1,763.23
Office supplies		189.37
Prizes for contests		12.30
Materials for demonstration		35.00
Released		.10
		\$2000.00
Allocation	2-M Budget	
	\$17,322.00	
Clerical and technical salaries		\$16,831.77
Travel		58.89
Insurance		72.00
Released		359.34
		\$17,322.00
Allocation	3-M Budget	
	\$28,900.00	
L.T.A.'s		\$18,228.02
Disbursed to date		10,612.38
Unallocated balance		59.60
		\$28,900.00
Balance on hand Dec. 31, 1974	District Revolving fund	
Reimbursement	\$636.60	
Income	252.83	
	52.25	
	305.08	
Post Office		\$164.20
Office supplies		21.59
Printing		13.85
Prizes for contest		12.30
Fair booth		35.00
		\$246.94
Balance on hand Dec. 31, 1975		\$694.74
	Cooperator Club	
Balance on hand Dec. 31, 1974		957.80
Receipts		1690.52
Disbursements		983.26
Balance on hand Dec. 31, 1975		\$1665.06

Atlantic State Bank
First Whitney Bank & Trust
Anita State Bank
Cumberland Savings Bank
Farmers Savings Bank Massena
Griswold State Bank
Home Federal Savings & Loan Assn.

SPECIAL THANKS TO THE SPONSORS OF THIS REPORT

The Commissioners thank the Sponsors of this Report As it is Through Their Consideration that the District Can Widely Publicize the Program that Was Carried Out in 1975.

1975 ANNUAL REPORT

COMMISSIONERS ACTIVITIES

January

District Commissioners attended the Annual Short Course held at the Memorial Union in Ames on January 21 and 22nd.

The District Conservationist attended a Training Session in Lincoln Nebr. Jan. 6 thru 10th.

February

Gene Eyberg entered on Duty Feb. 10th. He is the SCS technician who was transferred to the Cass District from Indianola.

The Annual Meeting of the Turkey Creek Watershed board was held in the Extension meeting room on February 14th at 1:30 P.M.

Commissioners held a meeting with the Legislators at Van's Chat & Chew at 11:00 A.M. to 1:00 on Saturday February 15th.

A MAPA meeting was held in Omaha on February 26th and was attended by the Commissioners.

March

The Annual Meeting of the Troublesome Creek Watershed was held March 11th at 1:30 P.M. at the Brayton Town Hall with Commissioners in attendance.

Commissioners attended the Regional meeting held March 12th at Sogard Inn in Audubon. Commissioners from 10 Southwestern Iowa counties were in attendance, at the all day meeting.

Commissioners and members of the Turkey Creek Watershed Board were present at the hearing on the county land fill held at the Cass County Court House on March 14th at 2:30 P.M.

The Annual Meeting of the Turkey Creek Watershed was held in the Extension Meeting room on March 20th at 1:30 P.M. Commissioners attended and then returned to the SCS office for their regular monthly meeting that night at 8:00 P.M.

A meeting for all earthmoving contractors in Cass County was held on March 21st at 1:30 P.M. Commissioners and contractors discussed cost-share programs, hourly rates, and other pertinent matters during the meeting.

A meeting of the Indian Creek watershed was held at 7:30 P.M. on March 25th.

April

The Annual Meeting of the Crooked Creek Watershed was held at the Jesse James Restaurant in Adair on April 22nd at 7:30 P.M.

A meeting of the RDC Committee was held April 24th at 6:30 P.M. at the Country Squire Motel.

May

Cass County youth participated in the Soil Conservation Speech contest held at the Whitney Bank on May 15th at 8:00 P.M. Prizes were awarded by the District to Dan McDermott, David Denne and Bill Sandbothe. The topic for the contest was "Land Use Planning — Insurance for Mankind".

Soil Stewardship Week was observed May 4-11th with the District supplying Cass County ministers with materials for distribution and booklets to aid in sermon preparations, stressing soil stewardship and conservation of natural resources.

June

Commissioners attended a meeting with the State Soil Conservation Committee in Des Moines on June 5th, concerning the status of the Nodaway watershed.

The summer meeting of the Soil Conservation Society of America was attended by personnel at the Terrace Inn Motel in Newton, on June 6 and 7th.

Don Mumm, of the Des Moines Register, visited Cass County farms with long-term agreements and interviewed the landowners, on June 11th.

William Brune, State Conservationist and Dr. Edgardo Weir of Argentina visited Cass County farms to view conservation practices and made a field review of the Indian Creek Watershed, on June 24th and 25th.

July

The Queen of Conservation Contest committee met on July 1st, to formulate plans for the Contest to be held during the 4-H and F.F.A. Fair.

Commissioners Regional Meeting and Regional Speech contest was held at Knox Knolls park near Guthrie Center on July 2nd. Dan McDermott represented Cass District in the Speech contest and placed third in the Regional competition.

The District Office Clerk attended a training meeting for Clerk's held at the Holiday Buffet in Harlan on July 29th.

The Conservation Department of the Atlantic Junior Federated Women's Club held an afternoon tea on July 25th to honor the Cass County Queen of Conservation candidates.

August

The Cass County 4-H and F.F.A. Fair was held during the week of Aug. 4-8th.

The Queen of Conservation Contest sponsored by the Cass County Soil Conservation District was held on stage at 7:00 P.M. August 5th.

Commissioners met on August 15th to allocate State Cost-share funds in the amount of \$31,000.00. Additional allotments of \$5,000.00 and \$10,500.00 were received resulting in 38 applications for terraces being approved.

September

Commissioners attended the SWIPCO Regional Planning meeting held at the Oakland Savings Bank in Oakland at 7:30 P.M. on September 4th.

The District Commissioners Annual Conference was held at Hotel Savery in Des Moines on Sept. 7, 8 and 9th and was attended by Commissioners, wives and District Office Clerk.

A meeting of the Indian Creek Watershed Board was held at the Colonial Inn at 7:30 P.M. on September 23rd.

Commissioners attended a public hearing by the Corps of Engineers on dredge and fill proposals at 1:00 P.M. on September 25th at the Civic Auditorium in Omaha.

Commissioners attended a SWIPCO meeting held at the Citizens State Bank in Oakland at 7:30 P.M. on September 29th.

October

The Annual Meeting of the Soil Conservation Society of America was held in Ames on October 17th.

On October 29th a soil judging contest was held in Fremont County with the Atlantic team placing second in the competition.

November

The Cass County Conservation Education Committee was organized at a meeting November 6th at the request of the Cass County Soil Conservation District Commissioners. As a result of this meeting a Poster Contest was introduced in the schools for all Cass County fifth graders. Prizes are awarded each month to all schools entered. Posters are judged and prizes awarded by the District Commissioners.

December

The D. C. and Soil Conservationist attended a training meeting in Council Bluffs on Dec. 9 and 10th and the Soil Conservationist was in Des Moines Dec. 16, 17 and 18th to attend a training session.

12 regular and 4 special Commissioners meetings were held during the year.



Wendell C. Pellett, Max H. Miller, George W. Hosfelt, Lawrence E. Blunk, William A. Fudge, G. M. Baier, Gilbert Wehrman, Tom Magill.

We, the Cass County Soil Conservation District Commissioners, wish to express our thanks to all those named below, as well as many others in the area, for their fine cooperation over the years in helping to advance the cause of Soil and Water Conservation in Cass County. We feel a great responsibility in conserving our most valuable natural resources — the soil and water — for future generations and only with the help of everyone can this goal be realized. We thank all those who have helped us to advance in this great enterprise.

SOIL CONSERVATION DISTRICT COMMISSIONERS

Gayle R. Johnson DISTRICT PERSONNEL Office assistant

William E. Willis SOIL CONSERVATION SERVICE District Conservationist
Jay E. Ford Soil Conservationist
William E. Eyberg Conservation Technician

EXTENSION SERVICE

A. Daniel Merrick, Co. Extension Director
LaVon Eblen, Extension Home Economist
Kitty Williams, 4-H Aide
Rita Sullivan, Office Assistant
Beverly Gunderson, Office Assistant

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Dean Eilts, Chairman County Committee Charles Miller
Folmer Nelson, Vice-Chm.

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Madonna R. Nissen, County Office Clerk
Carol Schlueter, Emergency loan clerk

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GLORIFIED SPINACH

Easy to make and so good!

2 packages (each 10 ounces) frozen chopped spinach
1 container (8 ounces) commercial sour cream
4 slices bacon, cooked until crisp and crumbled
Cook spinach according to package directions; drain and return to saucepan. Mix in sour cream; reheat gently. Turn into serving dish and sprinkle with bacon. Makes 6 servings.

DREAMY VALENTINE PIE DESERVES BEST PASTRY

You'll be a true sweetheart any day you serve a luscious pie. But especially for Valentine's Day, remember yours, young or old, with a special treat — a Coconut Macaroon Pie. They'll appreciate its delectable goodness; you'll enjoy the easy preparation, unusual for such a lovely dessert.

Of course any pie maker knows a light tender and flaky crust is just as crucial to a superb pie as the filling. That's why particular pastry chefs choose lard, says Reba Staggs, National Live Stock and Meat Board.

COCONUT MACAROON PIE

For Pastry:

1 cup flour
1/2 teaspoon salt
4 to 6 tablespoons lard
2 to 4 tablespoons cold water
Mix flour and salt. Cut lard into flour until crumbs are about the size of small peas. Add cold water, a little at a time, mixing quickly and evenly through flour with a fork until dough just holds in a ball. Use as little water as possible. Roll to about 1/8 inch thickness and line pie pan, allowing 1/2 inch crust to extend over edge. Fold overhang over or under and crimp edge of pastry.

For Filling:

3 eggs
1 cup sugar
1 cup corn syrup
1 teaspoon vanilla
1 cup flaked coconut
Beat eggs well. Beat in sugar gradually. Stir in corn syrup, vanilla and coconut. Pour filling into pastry-lined pie pan. Bake in a moderate oven 350 degrees, 40 to 45 minutes or until done.

TUNA-POTATO CAKES

Instant mashed potatoes for 4 or 5 servings
2 cans (6 1/2 or 7 ounces each) tuna in vegetable oil
2 eggs
1/2 cup chopped onion
1 can (3 or 4 ounces) chopped mushrooms, drained
1 teaspoon Worcestershire sauce
1/8 teaspoon pepper
2 tablespoons butter or margarine
Prepare instant mashed potatoes according to package directions, reducing water by 1/2 cup and omitting butter. In a large bowl combine potatoes, tuna, eggs, onion, mushrooms, Worcestershire sauce and

pepper. Mix well. Shape tuna mixture into 12 patties. Melt butter in large skillet. Add 4 tuna patties and cook until well browned on each side, turning once. Keep warm in 250 degree oven. Brown remaining patties, adding additional butter if necessary. Yield: 6 servings.

RIBS AND RED CABBAGE

4 to 4 1/2 pounds country-style ribs
1 medium head red cabbage, coarsely shredded (9 to 11 cups)
1/4 cup flour
2 tablespoons sugar
1 1/2 teaspoons salt
1/2 teaspoon caraway seed
1/2 teaspoon pepper
1/2 cup chopped onion
1/2 cup cider vinegar
1/4 cup water
1/4 cup raisins
1 teaspoon salt
Heat oven to 350 degrees. Place ribs, meaty side up, in large roasting pan. Cover tightly and bake 1 hour. Remove ribs from pan and pour off drippings. Mix cabbage, flour, sugar, 1 1/2 teaspoons salt, pepper and caraway seed in roasting pan. Add onion, vinegar, water and raisins, toss until thoroughly mixed. Place ribs on top. Cover tightly and bake 40 minutes. Uncover and bake 20 minutes longer or until meat and cabbage are done, basting ribs occasionally. Sprinkle ribs on both sides with salt and arrange on serving platter with cabbage. 6 to 8 servings.

PRUNE BREAD

1 cup unbleached white flour
1 cup wholewheat (graham) flour
1 teaspoon baking soda
1/2 teaspoon salt
2 tablespoons butter or margarine, softened
1/4 cup molasses
1 cup buttermilk
1 cup finely cut packaged pitted prunes
1/2 cup chopped (medium-fine) walnuts
On wax paper, thoroughly stir together the flours, baking soda and salt. In a medium mixing bowl beat together the butter and molasses; add buttermilk and beat to blend. Add flour mixture; stir just until dry ingredients are moistened. Fold in prunes and nuts. Turn into a greased (8x4x3 inch) loaf pan. Bake in a preheated 350 degree oven until a cake tester inserted in center comes out clean — about 1 hour; if loaf browns too much toward end of baking time, place foil over the top.

Grapefruit Salads To Warm Your Heart

Discover the ABZs — Able-Bodied Zest — of hot grapefruit salads. Grapefruit Hot Bean Salad, Hot Grapefruit, Ham and Cabbage Salad and Pork Chop Grapefruit Bake are three dishes with plenty of able-bodied ingredients given extra flavor zest by grapefruit. They are unique enough to serve to company; yet, hearty and everyday enough to suit the family. Grapefruit Hot Bean Salad is a good companion for, say, a big ham on a chilly afternoon.

Grapefruit's distinctive natural qualities buoy textures, punctuate flavors. There's also that nutrition to think about — lots of Vitamin C.

The two salads are cooked in a preliminary fresh grapefruit dressing. The remaining ingredients are heated only long enough so they stay crispy. It's all very simple.

In Grapefruit Hot Bean Salad, three kinds of beans — kidney, garbanzo beans (chick peas) and green beans — provide meaty substance. Here, the fruit insures a nice texture contrast. It is wonderfully light and juicy in contrast to the sturdier vegetables.

Hot Grapefruit, Ham and Cabbage Salad also involves texture contrast. The cabbage is crispy, the ham chewy, the grapefruit refreshing.

So, for a hot taste sensation, try these recipes. They're as easy as ABZ!

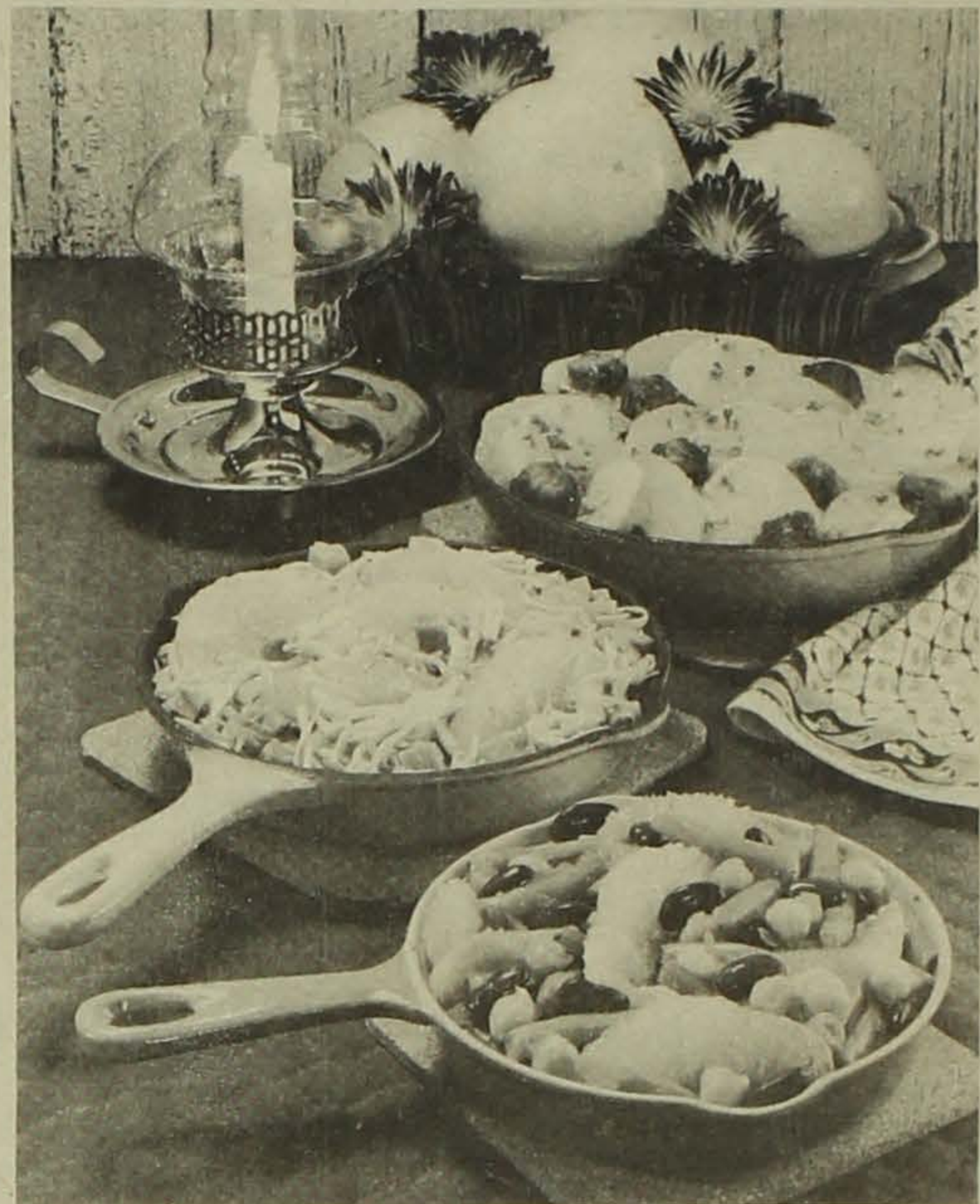
GRAPEFRUIT HOT BEAN SALAD

2 tablespoons butter or margarine
1/2 cup chopped onion
1 tablespoon cornstarch
1 cup grapefruit juice
2 tablespoons cider vinegar
1 tablespoon soy sauce
1/4 cup packed brown sugar
2 cups diagonally sliced celery
1 can (1 pound, 4 ounces) kidney beans, drained
1 can (1 pound, 4 ounces) chick peas, drained
1 can (1 pound) cut green beans, drained
2 cups grapefruit sections
In large skillet melt butter. Add onion and cook until tender. In medium bowl mix cornstarch and grapefruit juice, add to skillet with cider vinegar, soy sauce and brown sugar, and mix well. Bring to a boil and cook until sauce is thickened, stirring constantly. Stir in celery, drained kidney beans, chick peas, and green beans. Cook over low heat 10 minutes. Add grapefruit sections and heat. Yield: 6 servings.

To section grapefruit: Cut off slice from top, then cut off peel in strips from top to bottom, cutting deep enough to remove white membrane, cut slice from bottom. Or cut off peel round and round spiral fashion. Go over fruit again, removing any remaining white membrane. Cut along side of each dividing membrane from outside to middle of core. Remove section by section over bowl to retain juice from fruit.

HOT GRAPEFRUIT, HAM AND CABBAGE SALAD

2 tablespoons butter or margarine
1-3 cup chopped onion
1 1/2 tablespoons flour
1 tablespoon sugar
1 teaspoon salt
1/4 teaspoon pepper
1 tablespoon prepared mustard
1 cup grapefruit juice



Hot grapefruit salads are great company for meals, and great for company meals. Try them on a chilly night for a hearty side dish.

2 tablespoons cider vinegar
1/4 cup water
2 cups diced cooked ham
1 cup chopped walnuts
4 cups thinly shredded cabbage
2 cups grapefruit sections
In large skillet melt butter. Add onion and cook until tender. Blend in flour, sugar, salt, pepper, and mustard. Stir in grapefruit juice, vinegar and water. Bring to a boil over medium heat, stirring constantly. Stir in ham, walnuts and cabbage; cook 10 minutes. Add grapefruit sections and heat. Yield: 4 servings.

PORK CHOP GRAPEFRUIT BAKE

1/4 cup flour
1 teaspoon salt, divided
1/4 teaspoon pepper
4 pork chops
1 tablespoon butter or margarine
1/2 cup chopped onion

1/4 cup chopped parsley
2 tablespoons brown sugar
1 cup grapefruit juice
1/2 teaspoon caraway seed
1/4 teaspoon ground allspice
1 package (1 pound) sauerkraut, drained
2 cups grapefruit sections
Mix together flour, 1/2 teaspoon salt and pepper. Dust pork chops with flour mixture. In flameproof casserole or Dutch oven, melt butter. Add pork chops and brown on both sides. Add onion and parsley; cook until onion is tender. Stir in brown sugar, grapefruit juice, remaining 1/2 teaspoon salt, caraway seed and allspice. Cover and bake in 350 degree oven 30 minutes. Add sauerkraut and continue baking 15 minutes longer. Add grapefruit sections and bake 5 minutes longer. Yield: 4 servings.

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Agency Provides Loans For Soil Conservation

By Forrest Vermillion
County Supervisor for
Cass and Pottawattamie
Counties

The Farmers Home Administration makes farm ownership loans accompanied by technical management assistance to applicants who will operate not larger than family farms. FmHA is a supplemental credit source and does not write loans to those who are able to get credit from conventional sources. Loans may not be used to finance structures or farming enterprises that are inconsistent with local antipollution or environmental quality standards and regulations.

Farm ownership loans may be used to buy or enlarge farms, to construct, improve, or repair farm homes and farm service buildings, to drill wells and otherwise improve water supply systems for home use, livestock, and irrigation, and to refinance debts.

In addition, these loans may be used to develop and improve farm land, clear and level land, establish and improve farm forests, clear and prepare land for planting, buy seed or seedlings and establish approved forestry practices, provide drainage systems, carry out basic land treatment practices such as liming, and to make other improvements.

Needs

Each farm ownership loan is tailored to the individual borrower's needs. The FmHA county supervisor helps the borrower analyze his problems, determine his available resources and plan how these resources plus those obtained by the loan may best be used.

There are many acres of land in Cass and Pottawattamie counties more suitable for forage production rather than plowing up and growing corn and beans. For the sake of conserving soil and water, our farmers will need to make better use of our pastures and forage crops. They will need to study better ways to produce more beef per acre with forage to minimize the cost of production. They will need to study what facilities they need

Tip of the Hat to 4-H CLUB MEMBERS

Chosen as this month's junior leader is John Bierbaum, 17-year-old son of Royal and Sondra Bierbaum of Griswold.

John has been a member of the Pleasant-Noble United 4-H Club for seven years. His projects have included junior leadership, market beef, swine and educational presentations. He has served as president, vice-president and secretary of the club, helped organize various activities for the club, as well as serving on the County Youth Council, County 3x5 Committee and serving as a junior superintendent at Cass County Fair.

As a junior leader, John hopes to interest more people in 4-H and help younger 4-H members. He enjoys being a junior leader because it gives him a chance to work with younger 4-Hers as well as people his own age, and to become more involved with 4-H.

A highlight of John's career was attending the citizenship shortcourse in Washington, D.C. last summer. He feels this helped him understand himself



John Bierbaum

as an individual and others alike.

John says "4-H is great! It gives me a chance to work with people and understand how people feel, also it gives me a better understanding of livestock and records for future use."

to process forage through cattle.

Utilization

FmHA is interested in maximum beef produced per acre through the utilization of forage produced on land not suitable to row crop. FmHA is interested in providing facilities to process forage and to develop an efficient beef production program.

The county supervisor visits the borrower's farm to help solve problems that arise in making major adjustments in his farm and nonfarm operations and in adopting improved business practices.

FmHA also cooperates with other USDA agencies, Extension, ASCS and SCS making use of their technical assistance and planning an individual's farming operations and the development of the resources.

Report those who violate school crossing lights. You may save your neighbor's child.

Captain Jacques Cousteau, famous oceanographic explorer, directs the Oceanographic Museum in the tiny country of Monaco. These famous marine research laboratories have been used by many scientists in related work.

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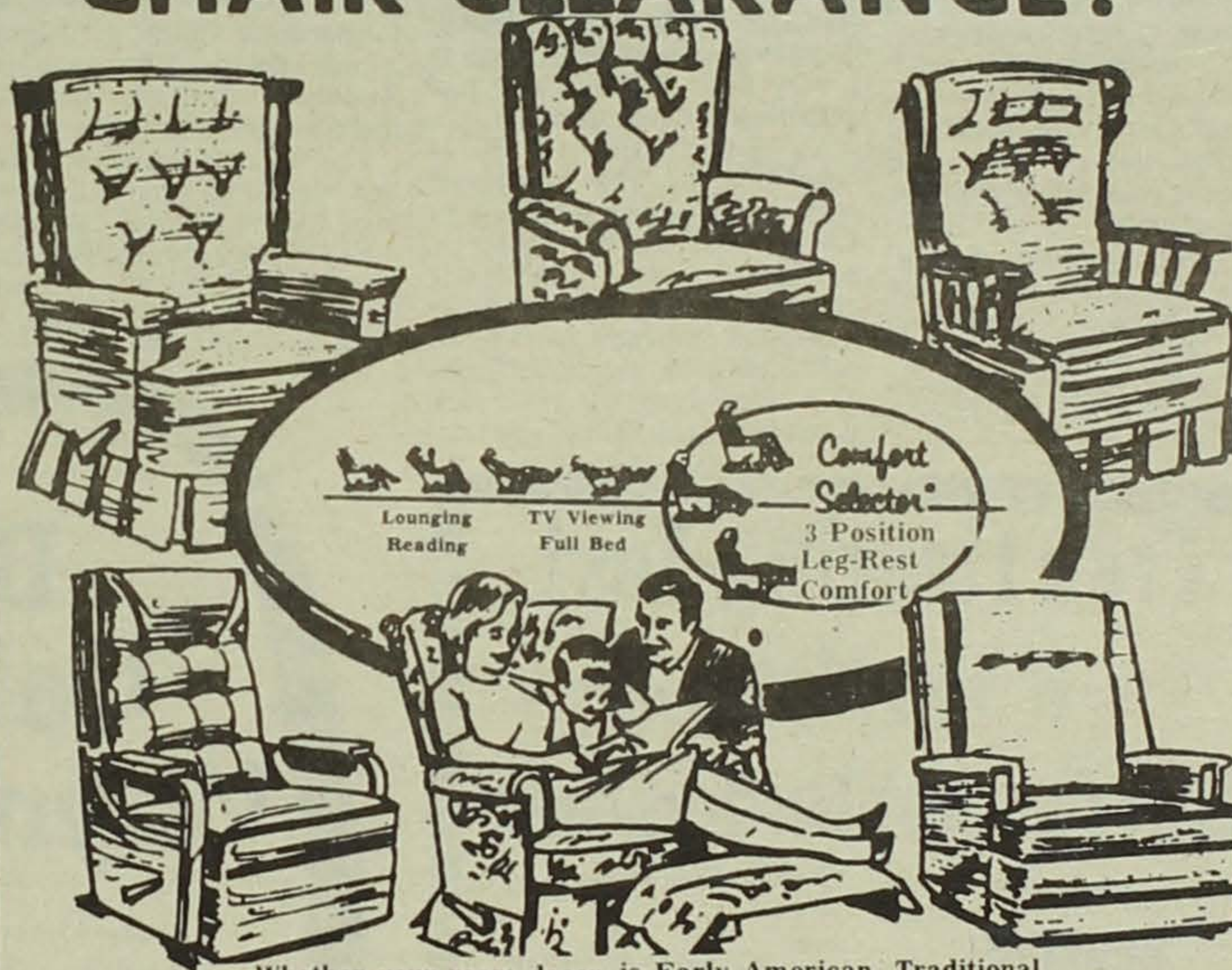
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Atlantic, Iowa

Great Progress In Conservation Practices Over The Years

By William A. Fudge,
Assistant Commissioner

Conservation has progressed a great deal since it's beginning in the early 1930s. At first it consisted mainly of contouring. This was a great improvement over the planting of straight rows, many of which were up and down the hills.

A few years later grassed waterways were introduced along with terraces. These terraces were placed on the contour near the tops of the hill to prevent water from washing away valuable top soil.

There has been a lot of grassed waterways shaped and seeded since the beginning of conservation. Lately some waterways have been tiled making the draws more valuable for farm production.

Watersheds

Some 15 years ago watersheds were introduced with several purposes in mind. Many articles have been written about the water level in the United States to preserve water, land and natural resources.

In watersheds dams are placed there to preserve water, stop run off, gully control, control and maintain conservation practices.

In order to put in a dam on a watershed site, 75 per cent of the conservation practices must be completed.

Turkey Creek Watershed was approved in the early 1960s. A lot of planning, foot work and conservation planning have taken place in this watershed. I am especially interested in this watershed because my farm is a part of it. There are more than 83,000 acres that make up this watershed, mostly in Cass County with a small portion of Adair and Guthrie counties.

103 Structures

When completed there will be 103 structures. Ten of these will be floodwater retarding structures, one of which has been completed on the Burke farm west of Anita. Ninety-three structures known as grade stabilization structures are to be constructed. Thirty-two of these will be completed when the present contract is completed.



The people in this area will be fortunate in having these dams for sport and recreation. Conservation and watersheds are not only a rural project. Water helps produce crops, floods destroy crops, roads, towns and homes.

Let us all put our shoulders to the wheel and promote soil conservation and watersheds to protect the land for future generations.

Need Planning In Conservation Programs

By Bill Willis,
District Conservationist

Would anyone build a house without first drawing a plan? Seldom is a major piece of construction started without a plan to follow. Application of the needed conservation work on a farm is a major piece of construction. Preparing a complete conservation plan for a farm is a very basic management tool essential to every farm.

A conservation plan is developed by the landowner with the help and guidance of soil conservation district personnel. The plan itself constitutes an inventory of the conservation practices tailored specifically to each farm. Since no two farms or farm operations are alike, no two

conservation plans will be identical.

Once a plan is developed, the application of the practices is done on a voluntary basis by the landowner. Carrying out the plan depends entirely on the financial ability of the landowner. Planning help from the district is available to any landowner without charge as a part of the services of the district.

A conservation plan can include one practice such as terraces, or it may include a combination of several practices. Erosion can be controlled by such combinations as a rotation plus contouring plus minimum tillage. It all depends on the soil type, degrees of slope, and the intensity of cropping.

The conservation plan includes a detailed soils map, along with the map is included information and descriptions of each and every soil found on the farm. Since each soil has its unique characteristics and capabilities, planning must begin with a good understanding of soil types.

The idea of conservation planning for the entire farm is important to Cass County farmers. Thirty-one landowners developed conservation plans or revised older plans in fiscal year 1975.

The landowners represent planning or revisions of older plans totalling 6,755 acres of land. Completion of these plans is voluntary and will take several years of dedicated work to complete. The important fact is that as each individual practice is installed that it fits into an important place in the total erosion control plan for the farm.

CROP CLAIMS

The Federal Crop Insurance Corporation Office in Atlantic serves six counties — Cass, Audubon, Dallas, Guthrie, Montgomery and Page.

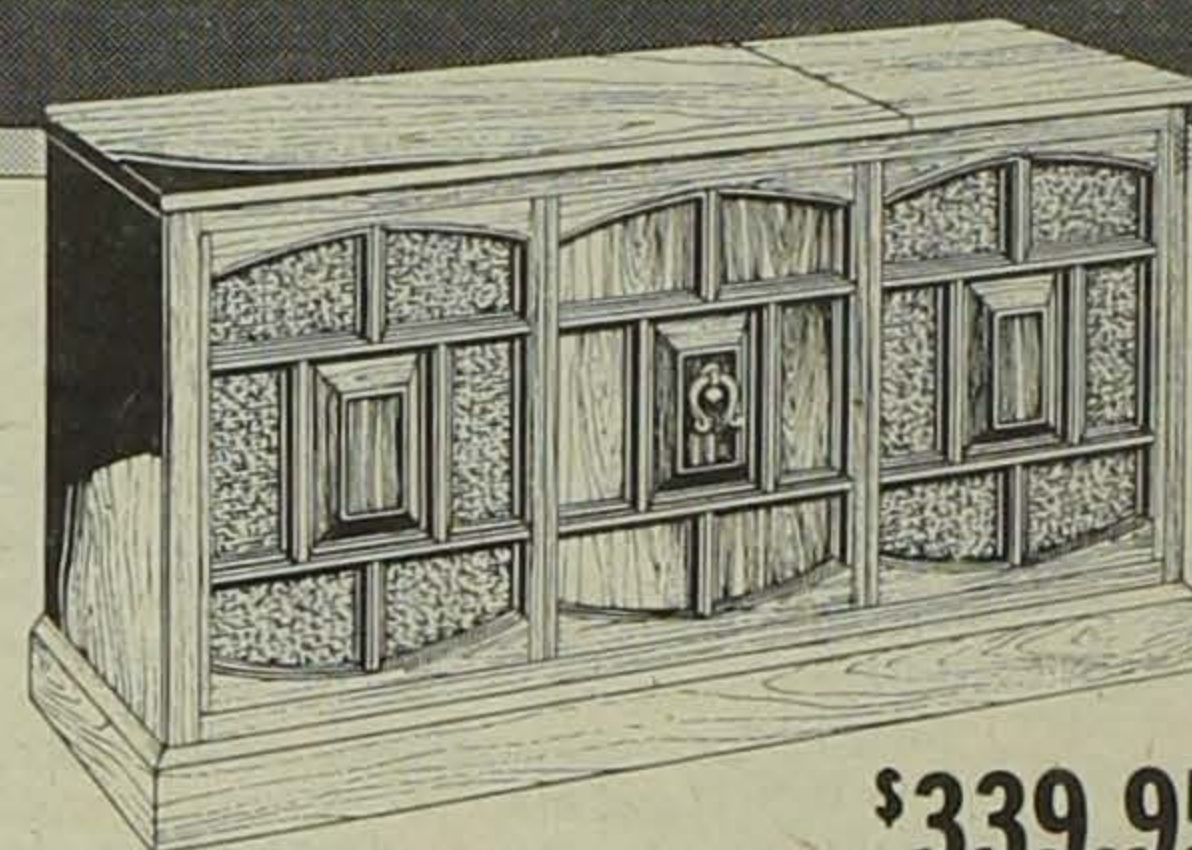
The agency reports the 1974 loss claims on crops amounted to \$1.1 million and in 1975 more than 800 claims were filed, with nearly all being processed before the end of the year.

James Smithson, endower of the Smithsonian Institute, was an English scientist who published many scientific

papers. However, he did publish one that didn't deal directly with science. It was titled, "The Art of Making Coffee."

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The Right Time To Contact A Contractor



By Gene Eyberg,

Conservation Technician

"Where can I find a contractor?" This is a statement heard many times at the Cass County Soil Conservation District Office.

A contractor generally makes himself well-known in a community and is not too difficult to locate. What is difficult though, is to convince him your work is more important than your neighbors and needs his immediate attention.

Your contractor, like you, has a large investment in his equipment. He also has a limited amount of time to operate that equipment. Idle equipment, like idle crop land for you, does not make a profit.

You are probably thinking by now, "what affect does that have on me?" I need all my crop acres in full production to make a profit.

Are you getting full production from all of your cropland? Does a field that needs tile give you full production? Does a field that needs terracing give you full production? When you let top soil wash away year after year you also lose part of the fer-

tilizer that you applied to increase your production.

I can understand that after you invest your time and production cost in planting corn you do not want to destroy the crop. You have also limited the time available to do any conservation work that might be needed. A contractor might do as many as three to four jobs before planting and after harvest. This is fine for the parties involved but what happens to the rest of the work to be done. Many times it is put off indefinitely.

A better solution would be to plan your conservation work at the same time you plan your cropping system. Use a crop that can be harvested early enough, such as oats, to take advantage of the time when contractors are not very busy and can work.

Make conservation work for you!

State Adopts Cost-Share Program

By Wendell C. Pellett,
Assistant Commissioner

Iowa started a new program to cost-share with farmers on soil conservation practices. Always before the only cost-share program for soil conservation came from the Federal government and with the federal program a rather hit and miss proposition it was felt that Iowa should help to keep the program going.

With our agricultural land our most important natural resource and with the economy of Iowa depending on agricultural production to keep our state in a sound financial condition, Gov. Robert Ray and the State Legislature felt that investing state money in soil conservation practices would be a good investment.

The State of Iowa will soon be faced with federal

requirements to clean up our rivers and streams. With silt from our fertile fields being the major cause of pollution, any soil conservation practices that we can get established will be a big help toward controlling soil erosion and keeping our streams free from silt.

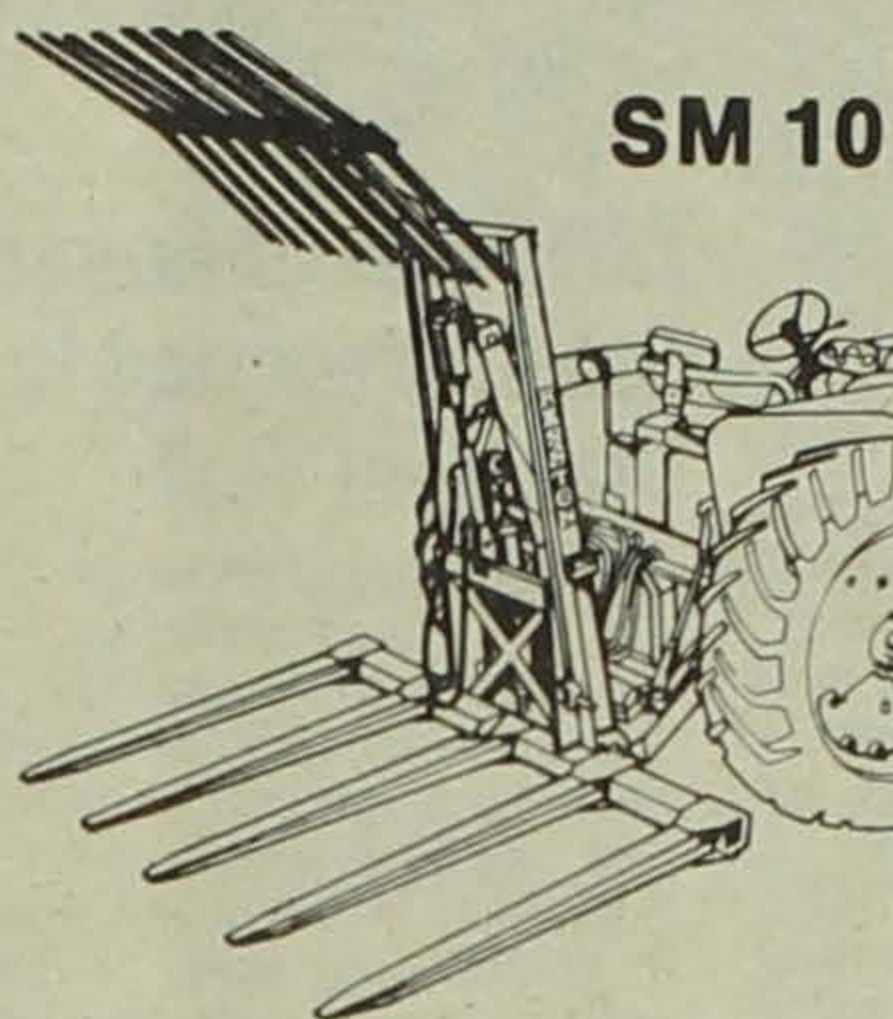
FIRST ONE

The first known vending machine is probably what you read about for dispensing a stream of holy water. It was made by Hero Xtebus and was coin operated by a five-drachma coin. The coin dropped into the top slot, fell on a control

lever and the weight of the coin opened a valve allowing the water to come out a hole in the bottom of the jar. When the coin fell off the control lever the valve would close and cut off the flow.

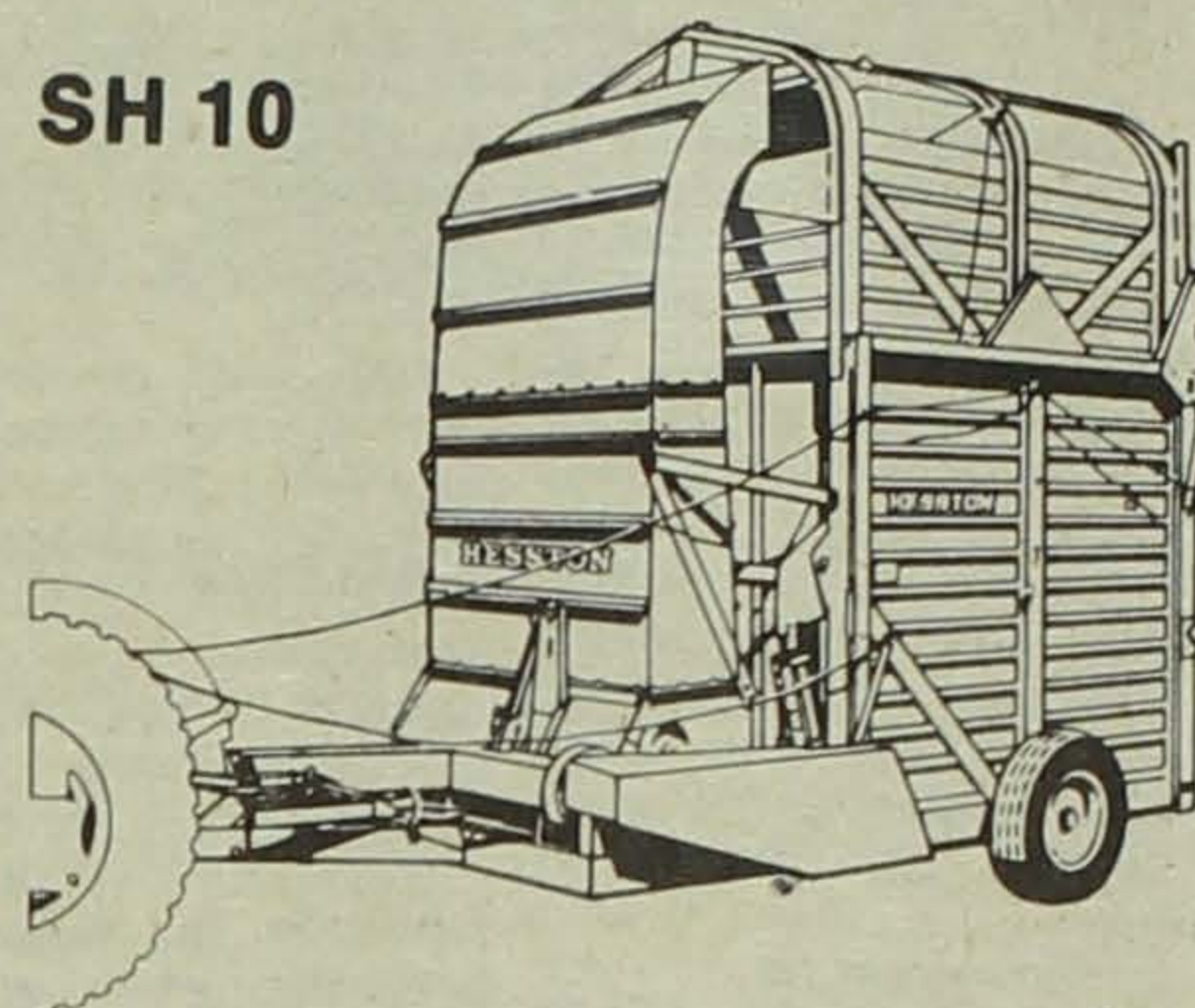
The goat belongs to the cattle family.

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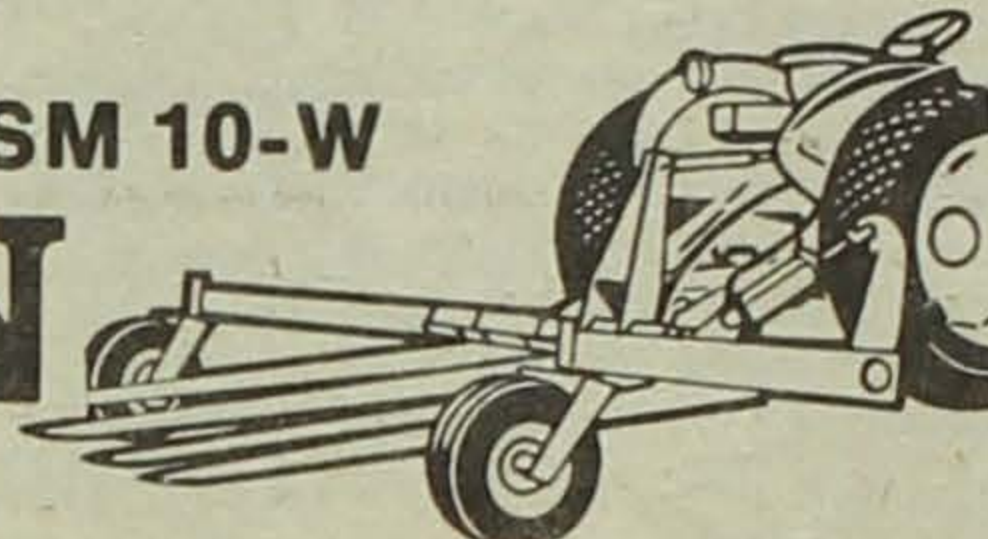
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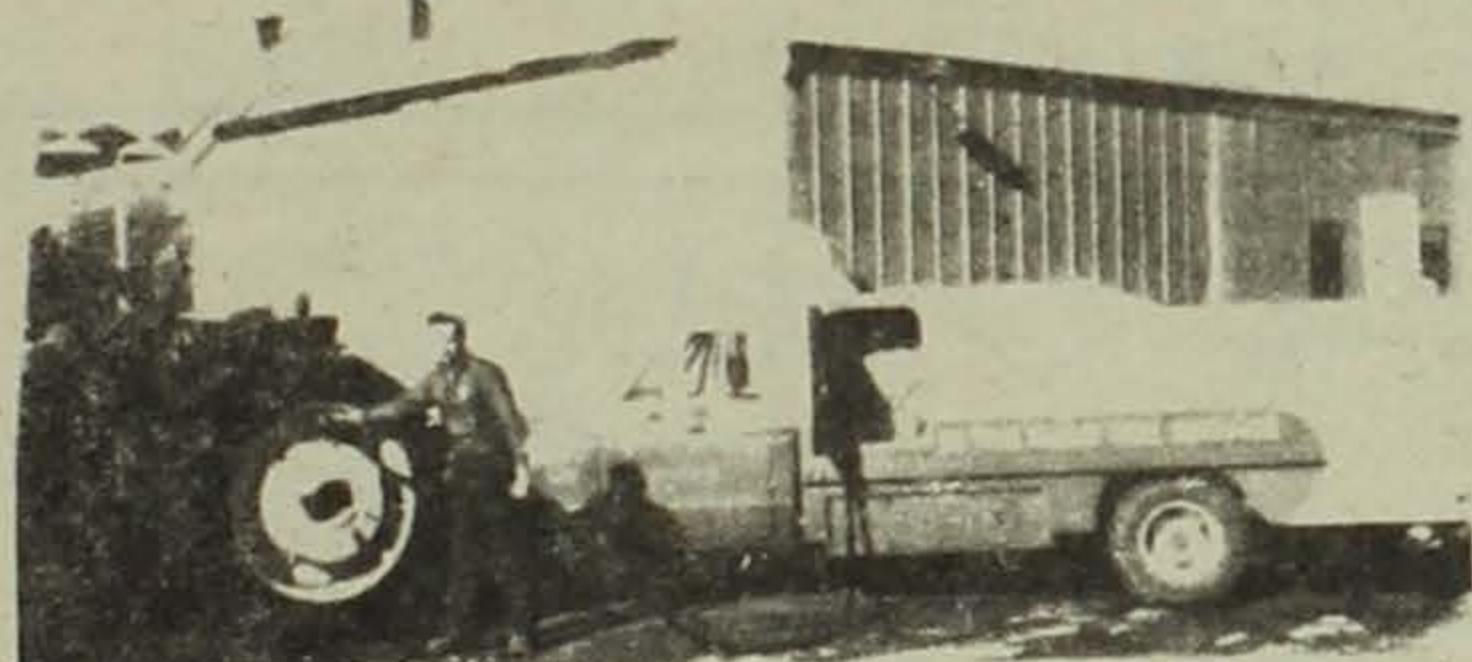
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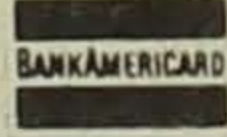


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Eight More Structures To Be Built In Turkey Project

By Bill Willis,
District Conservationist

The latest construction contract in Turkey Creek Watershed calls for the movement of 218,000 cubic yards of earthfill, plus a considerable amount of pipe and concrete.

The result will be eight more structures to control ditches and gullies, and the first of ten planned structures to control floodwaters on Turkey Creek.

The Jack Stanley Company had completed the earthwork on five of the nine structures when construction was halted Dec. 15 due to the weather. A total of 145,000 cubic yards of dirt had been moved at that time.

When weather conditions permit in the spring, the contractor will have 100 working days to complete the remaining four structures. A contract for construction of the nine structures was awarded early last year at a total cost of \$367,051.

1965 Program

The Turkey Creek Watershed project went into operation in 1965 as one of several such projects in Iowa to construct small dams and structures to control gully erosion and flooding. The project is authorized by an authority of Public Law 566 enacted by Congress in 1954.

This legislation provided for the expenditure of federal funds to construct needed works of improvement to control flooding and gully erosion that were too expensive to be financed by farmers alone. The necessary easements and land rights involved in building the structures is provided by the individual landowners involved.

The original watershed work plan identifies 103 structures that are vitally needed in Turkey Creek Watershed. When the nine structures presently under construction are completed, a total of 31 structures will have been built. The job is about 30 per cent completed, with 72 structures left to be contracted and built.

Future Progress

Future progress in the watershed depends heavily on the interest of local landowners to find out about structures planned on their farms, and to provide the district with the easements to get the job done.

Information about the location, size, and amount of land involved in each of these structures is available from soil conservation district commissioners, watershed directors, or district office personnel. Land rights maps are prepared on most structures which show the location of each dam and the exact area that will be affected by water storage or construction.



Watershed projects such as the Turkey Creek project represent close cooperation between the federal government and local people. Watershed projects also represent close cooperation in solving problems too large for local people to solve alone.

Watershed projects also represent tax dollars coming back home to solve local problems of gully erosion and flood control. Full information about the watershed project can be obtained at the Soil Conservation District office at 1207 Sunnyside Lane in Atlantic.

Outline Resource Conservation Development



By G.M. Baier,
District Commissioner

The Soil Conservation Districts of Region 13 include Cass, Harrison, Shelby, Mills, east and west Pottawattamie, Page, Fremont and Montgomery counties. This organization is considering application to plan a resource conservation and development project. RC&D projects are federally funded, and they are staffed by Soil Conservation Service personnel.

Resource conservation and development funds are used for conservation practices that are

not eligible for ASCS or state funds. The projects under this program are considered on their public benefits. Examples are flood prevention structures, grade stabilization structures in conjunction with county roads, and accelerated land treatment in small watersheds.

The RC&D program is relatively new in Iowa, with construction being completed only during the last four years in other areas of the state.

A project of this kind takes a long time to accomplish. Public support has to be organized. The plan will consume time. Priorities will have to be agreed upon. I would estimate it could be three years before construction would begin.

130 Cases Of Animal Rabies Reported In State Last Year

By Bonnie Weaver
Drake University
Journalism Student

DES MOINES — Animals have been revered, worshiped and used by man since the beginning of recorded history. Walt Whitman said, "I think I could turn and live with animals, they are so placid and self-contained."

Charming as they are, animals cause problems for humans. Approximately 30,000 persons are given the series of rabies vaccine in the United States each year after having been bitten by animals. One death is recorded each year.

The last death in Iowa caused by rabies was in 1951. No records are kept for the state on the number of persons who are given shots, as Iowa law does not require doctors to report the number of patients treated.

Rabies, a Latin word meaning rage or fury, is transmitted to humans by a bite or scratch and is fatal unless a vaccine is administered. Only one person is known to have survived rabies in the United States — a boy in Ohio — and doctors have no explanation for his miraculous cure.

One-hundred and thirty confirmed laboratory cases of rabies in animals was reported in Iowa in 1974, according to the Iowa State Department of Health. The animals were from

59 counties throughout Iowa, and 66 of them were skunks. Bovines and cats ranked next with 35 and 15 respectively.

Other confirmed cases of rabies were found in dogs, groundhogs, civet cats, horses, muskrats, foxes and badgers.

Rabies is a fatal disease caused by a germ which is present in the saliva of infected animals. None of the 130 animals tested had bitten people.

(Distributed by Iowa Daily Press Association)



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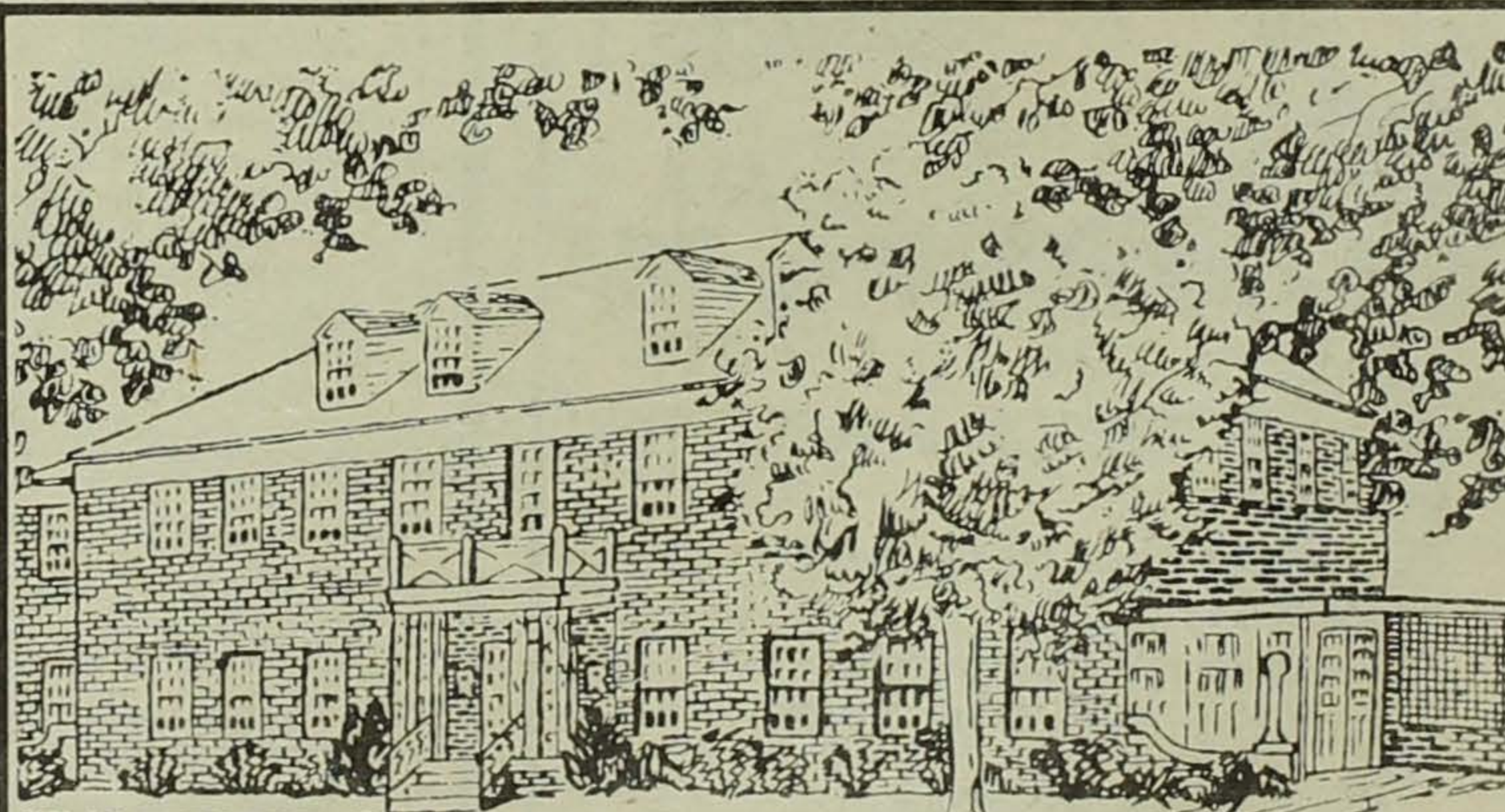
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Extension Echoes

By
Mrs. L. Fay Eblen
Cass County
Extension Home Economist

To Brighten Someone's Day

On cold wintery days, many people feel lonely — especially those who are confined to hospitals, care facilities or their homes. A visit from you could bring warmth and friendship to that person. Your stay needn't be long to be rewarding to both of you.

To further the enjoyment of the person confined, you might bring along a small gift. Some nursing homes and hospitals have restrictions on gifts so check their regulations first.

Consider what the person liked to do before he or she was restricted. A former gardener might enjoy building and caring for a terrarium. If your friend enjoys embroidery, perhaps you could shop for that favorite floss.

Or surprise the person with a cassette recording of greetings from friends and neighbors. The tape would be played over and over after you're gone.

To serve as a link between the confined person and the outside world, bring personal items such as soap or shampoo. This will help make your friend less dependent on the institutional staff for his or her care.

Or bring a boxful of small gifts, to be opened one each day. On Monday, your friend could unwrap a pen, on Tuesday, some stationery and on Wednesday, stamps. By then he or she may be ready to send a letter.

Often the best gift is to give of yourself. Visit the confined person as a reading or talking companion. You will have given a gift that won't soon be forgotten.

Micro Wave Ovens And Pacemakers

According to the Implantable Pacemaker Subcommittee of AAMI (Association for the Advancement of Medical Instrumentation): "Microwave radiation, in addition to other sources of electrical field interference, can modify the function of some pacemakers under certain conditions. Under most conditions, this is not considered to be a problem of major concern to an estimated 50,000 patients that are wearing pacemakers."

Shielded pacemakers introduced in 1971 should not be affected by electrical interference.

Older unshielded pacemakers could be affected by microwave radiation from a normal operating oven at relatively close distance to the oven. Effects may range from dizziness or light-headedness to, in extreme cases, fainting or blackout. As the person moves away from the interference, the pacemaker will begin to work normally. Interference does not cause permanent damage to the pacemaker.

Some people may still be wearing the unshielded type. They may want to maintain a distance of at least three feet from a micro-wave oven.

Efforts are constantly being made to reduce the sensitivity of pacemakers to electrical interference. A recent design is unaffected even when the pacemaker is put inside an oven which is operating.

The best guide is to tell a pacemaker wearer to check with the doctor who implanted it as he will know the type and the effect microwave oven radiation will have on it.

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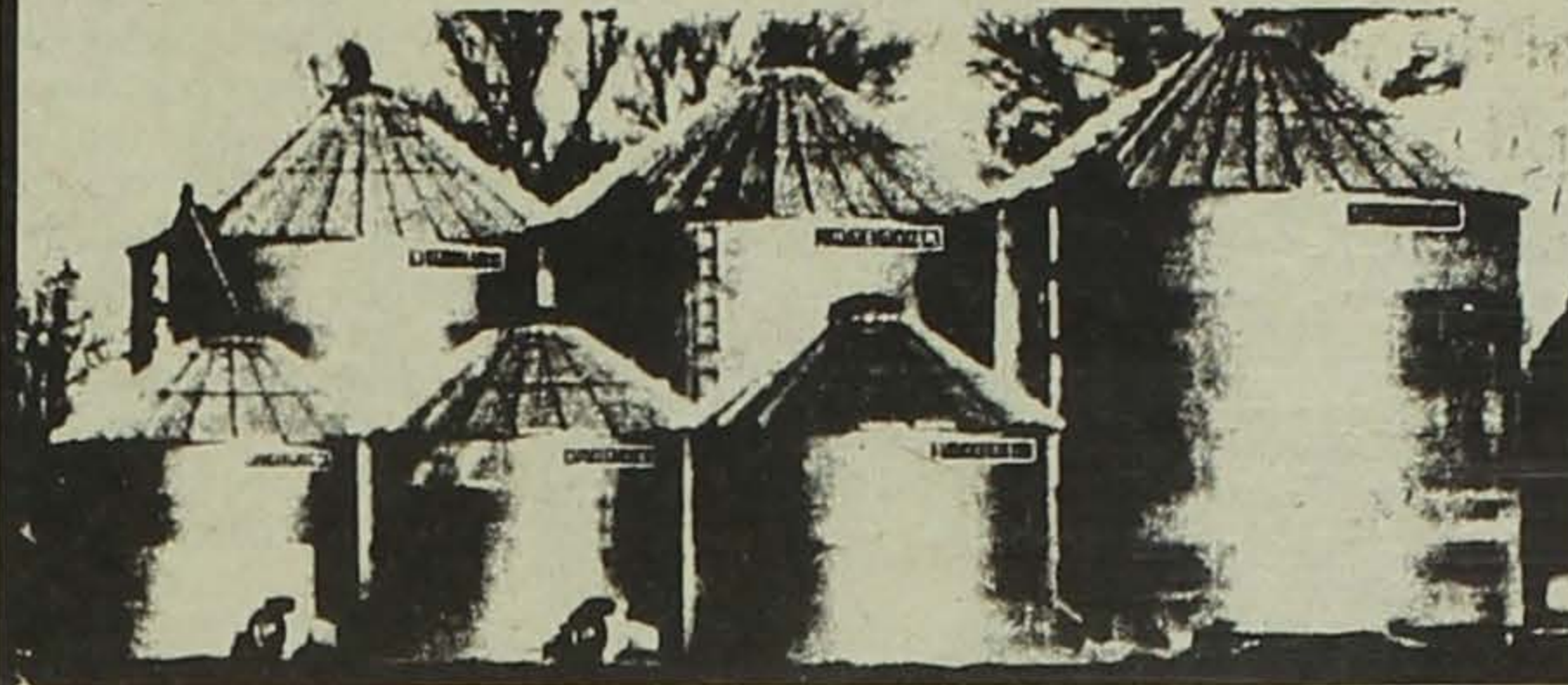
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Whether you're a handyman or not, Dimension 2000 is a quick, simple solution to a number of "protecting" problems around the house and home. Damp in the basement? A couple of quick coats of Dimension 2000 will provide an effective seal. Afraid of dry rot in structural timbers? This new supercoating does the trick. Concrete floors in garages, basements and patios are protected and brought to life with this space-age treatment. Have aluminum siding that needs cleaning up? Dimension 2000 will do that too.

But don't just think Dimension 2000 is for protective purposes only. Oh, no. It comes in a range of 8 decorator colors in addition to 2 clear finishes. For a superior decorative finish of extensive durability, it gives added beauty to a multitude of exterior and interior surfaces. Use it where you would any other paint. It flows on smoothly and evenly, shows no brush marks and gives an attractive lustrous finish that keeps its fresh appearance for years to come. What's more, it contains no lead pigments so it is completely safe in the nursery or play-room. No awful paint-y odor, either.

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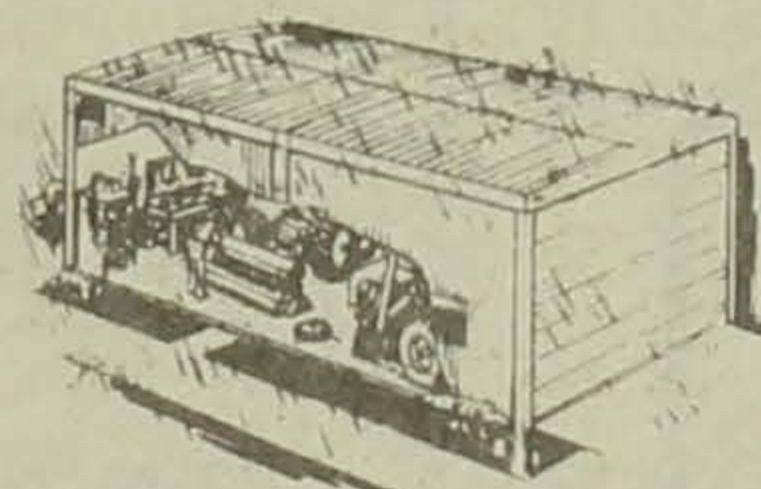
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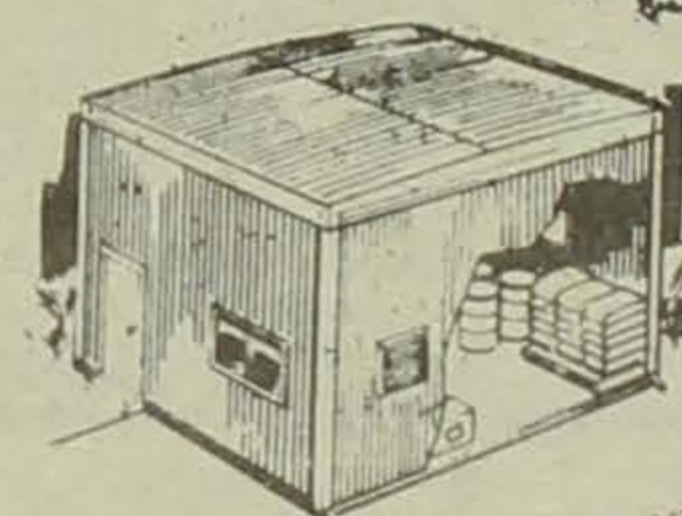
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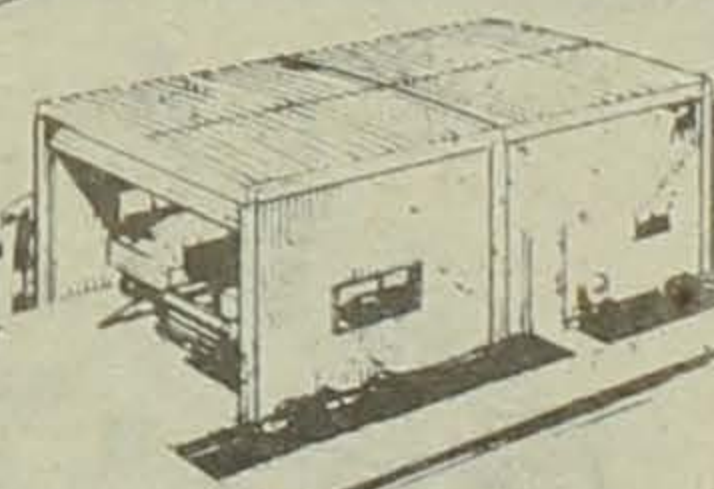
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Terraces Popular Way To Reduce Erosion In County



By Bill Willis,
District Conservationist

Tile outlet, grassed backslope, parallel terraces will hold soil loss to within allowable limits on most sloping land in Cass County. This type of terraces is gaining acceptance by farmers who want to continue intensive row crop use of sloping land for corn and soybeans.

The grassed waterway outlet terrace has found less popularity as more and more herbicides are used in crop production. Runoff from terraces into grassed waterways usually carries enough herbicide to kill waterway grasses leading to rill formation in the waterways and eventual failure of the terrace outlet.

The tile outlet type terrace has solved this problem and with it comes some favorable improvements in terracing. The design limits for the tile outlet type terrace allows for even greater straightening of terraces. This makes it much easier to get more of the system of terraces parallel to each other. This means fewer point rows and easier farmability.

Advantage

Reducing the amount of soil loss from a field is the real advantage of the tile outlet terrace. For example, a field of predominantly Marshall soils on eight per cent slopes farmed to corn and soybeans and contoured will lose about 17 tons of soil per acre per year.

With tile outlet terraces installed on this same field and continued use of corn and soybeans soil loss is reduced to less than five tons per acre per year. This represents a substantial reduction in soil loss.

Tile outlet, parallel terraces are built to control soil loss, to improve farmability, and to allow intensive use of sloping land for row crops. Nothing can be more farmable than planting straight with the fences.

Unfortunately, this practice causes more up and downhill

rows with very little of the field even contoured.

Contoured rows are sometimes difficult on many fields in Cass County. The ultimate answer to this problem of farmability is the tile outlet terrace system which attains the best possible row pattern while controlling erosion.

Backslopes

The statement is heard often that the steep, seeded backslopes are objectionable and take up too much land. Studies have shown that the area consumed in terrace backslopes is 30 per cent less than the area required for an adequate number of grassed waterways.

Experience has also shown that on slopes greater than six per cent that broadbase terraces soon become too steep to manage with large machinery. The fact remains that the steep backslope actually requires less land than is often thought and is usually how most terraces result on steeper land. The seeded backslope also provides nesting cover for wildlife which is rapidly becoming a scarce item.

Tile outlet terraces are more expensive to build than conventional terraces due to the need for additional construction requirements. Tile outlet terraces usually require an average of two cubic yards of earthwork per foot of terrace plus the cost of tile and terrace intakes. Although costs are higher the benefits are greater than almost all other erosion control practices on cropland.

Crop Rotation

A crop rotation is necessary in conjunction with most other conservation practices other than tile outlet terraces if erosion is to be fully controlled. Tile outlet terraces do not require that a rotation including a meadow crop be followed. This is one of the biggest advantages of this type of terrace.

The trap efficiency of terrace intakes has shown that soil loss

can be actually reduced to less than one ton per acre per year even with continuous rowcrops.

Moisture conservation is a big advantage of any type of terrace. In the past two summers, the amount of available moisture in the soil has been critical to crop yields. Tile outlet terraces temporarily trap runoff while the tile lines slowly discharge the water over a period of about 24 hours. While this is happening there is an opportunity for more moisture to be absorbed by the soil and stored. In July and August this provides an extra advantage to a growing crop.

Funds

The Cass County Soil Conservation District has available cost-share money that can be used to pay up to 50 per cent of the cost of building tile outlet terraces. This money has been approved for this use by the Iowa Legislature in an attempt to improve and protect Iowa farmland. This means that terraces can be built on a farm with a landowner paying only half of the actual cost of the earthwork, tile, intakes, and seeding of the backslopes.

The planning help, layout, survey, design, and final construction inspection is done at no cost by SCS personnel. Technical help from the district to build and plan conservation work is free for the asking to any landowner in the county. Soil Conservation Service personnel are available to visit with any individual or group of farmers about terraces, and can arrange for on-the-farm visits to see some actual terraces on the land.

Building terraces on a farm is merely an indication that a landowner is concerned about controlling erosion. It shows that he is aware that erosion can remove the very heart of the farm. After all, a farm is no better than its soils as long as those soils remain on the farm and on the slopes where they belong. Terraces really are not all that bad — try it and find out.

The fisher spider travels so lightly that it can walk on water without breaking its surface tension, in search of food. The female carries and protects her eggs until the tiny spiderlings are ready to emerge on their own.

GO, GIRL, GO!

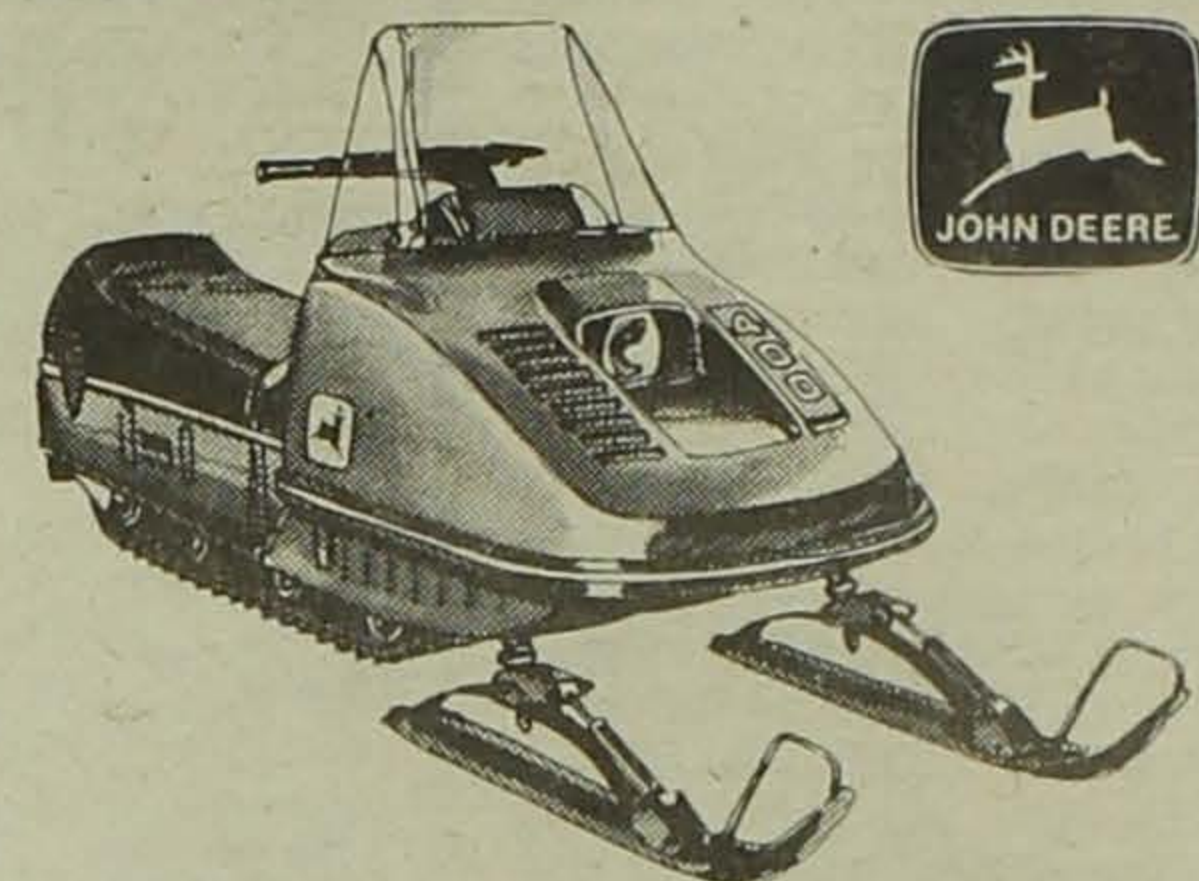
EAST ISLIP, N.Y. (AP) - Susan Hayden, 12, proved to be the best player on the Little League baseball team here this past season.

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strikeouts, as well as a batting average of .625.

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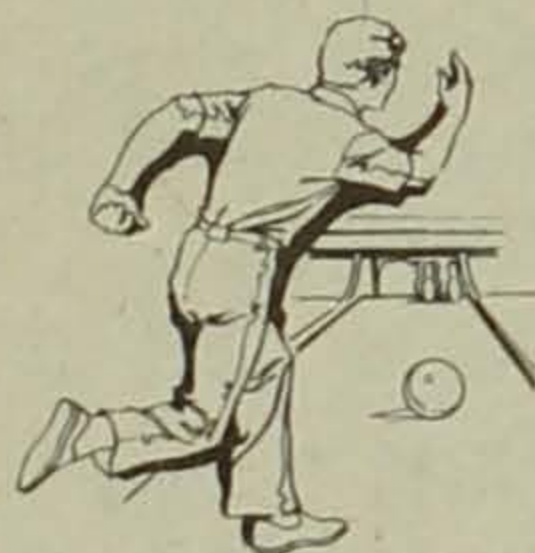
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This is a 15 per cent protein complete swine ration specifically
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It has a unique combination of trace minerals and minerals that
when combined with other nutrients in the feed often produces
amazing results — particularly with problem pigs or poor doing
pigs.

Challenge CP15-ML 21 is especially recommended for pigs
suspected of having rhinitis.

CP15-ML 21 is composed of a combination of high quality
proteins and corn. In addition to high level of vitamins it has an
enzyme product to help the pig assimilate the nutrients plus the
anti-bacterial additive AUREO-SP 250 for disease prevention and
growth promotion.

On an average a pig will consume about 50 lbs. of this feed
during the 21 day period. The price is very reasonable — the cost to
feed a pig CP15-ML 21 for the 21 day period is about 54c more than
a regular 15 per cent ration. This is slightly more than just one
pound of pork and the return on the investment can be quite sub-
stantial.

CP15-ML 21 is an excellent feed to use on feeder pigs and many
producers use it routinely.

After the three week period is over pigs may be switched to
Challenge CP14. This is a 14 per cent ration containing the same
high levels of vitamins and the enzyme product. It contains 50
grams of AUREOMYCIN per ton which is the effective level for
maintaining weight gains in the presence of atrophic rhinitis and is
the prevention level for many diseases.

Both of the above feeds are available
in either pellets or meal.

Challenge Feed Salesmen

Charles Moore - Atlantic

Duane Nelson - Atlantic

Marion Johnson - Atlantic

Jim Murphy - Anita

Ken Ludwig - Casey

Norway Center Store

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Resources Conservation Important To America

By Lawrence E. Blunk
District Commissioner
And Regional Director

I suppose that I should say that we have had a good year in our efforts to conserve our various resources.

Inflation and limited resources have slowed down our accomplishments, but the weather gave everybody a break this fall and the harvesting was finished early enough to allow a sizable amount of terraces, structures, and waterway shaping to be done.

The challenge is always before us to keep both federal and state cost-sharing funds coming that we might keep the various programs going that we feel are so important in this great country of ours, where we have both the prime soils and climate to grow crops such as few areas of the world can produce.

The American farmer is one bright spot in our country in his ability to produce abundantly and thereby stabilize our economy and at the same time help this country maintain a balance of trade.

The job of holding our precious soil and water for coming generations cannot be over emphasized and I am justly proud of our community for the work that has been done but there is much more work to do if we are to produce more and more food and fiber for mankind.



We are organizing an education committee in our county and we feel this will be an invaluable aid in conveying the conservation story through the school systems in the county as well as other people and organizations.

The conservation poster contest is one example of educating the people to the conservation story and is gaining momentum each month.

SPIDERY PETS

COLUMBUS, Ohio (AP) - Tarantulas as pets?

At least three pet stores here are selling them, and several others said they occasionally have the large spiders on hand. Who buys them and why? "One guy said he wanted to

get his mother-in-law out of the house," one pet shop worker said.

Another said his last tarantula customer was drunk. "He brought it back," he said.

Most tarantula buyers are children or young people who

want the spiders as "just something to show to their friends," a pet shop owner said.

Experts say the spider's bite is fatal only to insects.

The true tarantula lives in southern Italy and takes its name from Taranto, Italy. The

American tarantula, which is the kind sold here, lives in the southwest, and is said to be shy and retiring.

The tusk of a walrus may weigh more than 11 pounds.



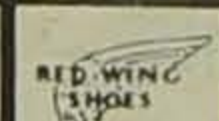
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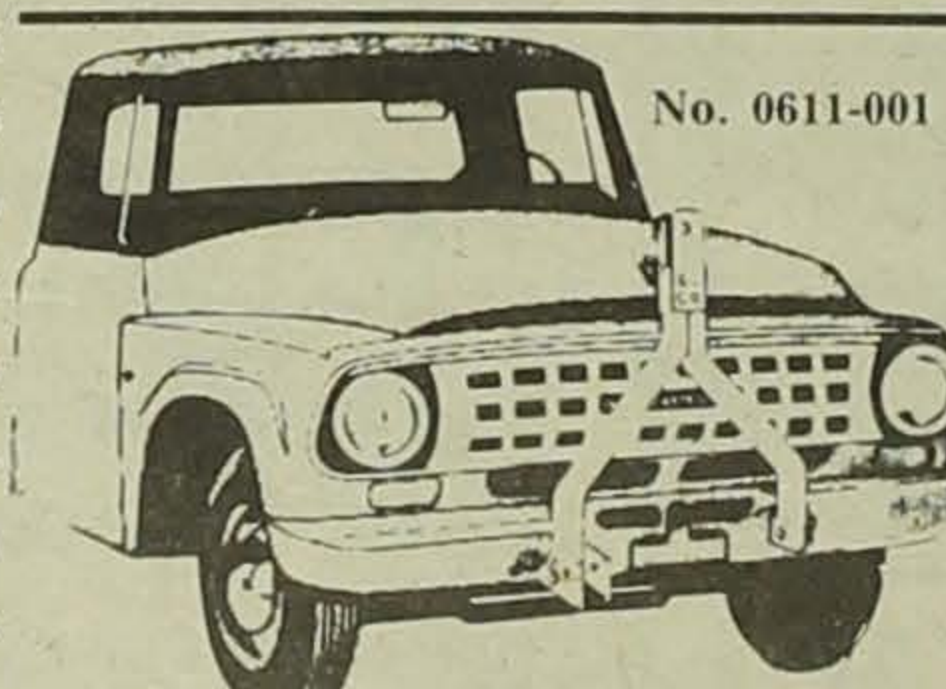
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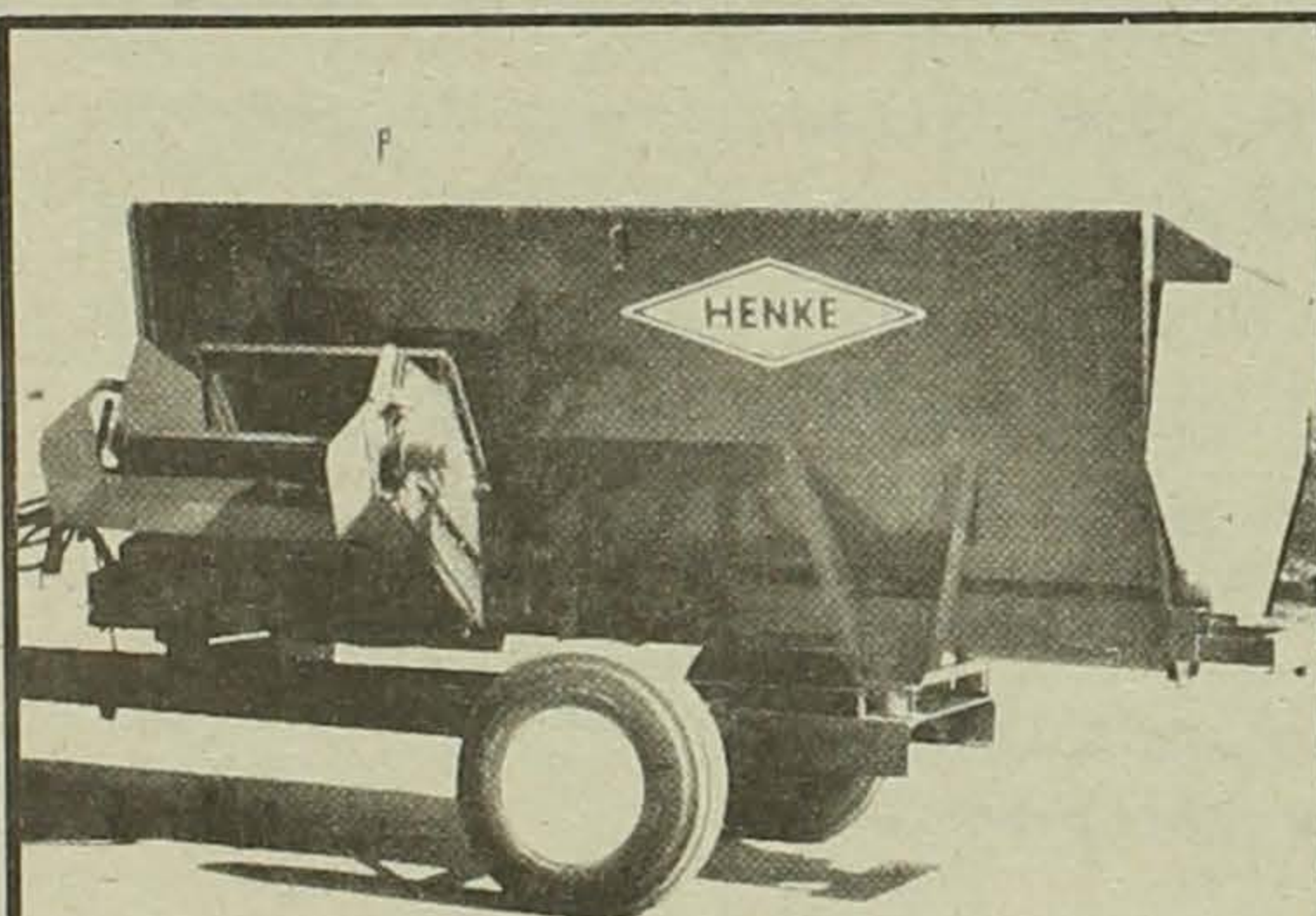
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Education Is Priority For Cass SCS

By Jay Ford,
Soil Conservationist — SCS

As a newcomer to the Cass Soil Conservation District this past summer I was surprised by the amount and diversity of conservation work done here. Of course, this reflects the tremendous need we have in this area due to the steepness of the land, erosiveness of our soils, and the push for all out grain production.

The district commissioners have always agreed that they hold the responsibility for bringing the conservation message to the public in a logical and accurate way.

This past year the commissioners expanded this idea to the classroom. They made a goal of getting an education program started in the area schools and a committee started that would be responsible for overseeing and expanding the program. This program coupled with others that are described in this edition make up the diversity that is necessary in a modern soil conservation district.

As of today, we have made progress in the schools. There is a conservation poster contest being conducted every month in the county fifth grade classes. Our SCS office sends out information about the current poster contest so the teachers have a chance to discuss and answer questions about conservation practices before the students start on their posters.

Windbreaks

For example, a recent hand-out on windbreaks stressed their importance in providing wildlife food and cover, livestock protection, improved working conditions, beauty, reduced noise levels close to highways, protection from soil erosion, and home heating and cooling savings. It is surprising isn't it.

The district is providing cash prizes for the top three pictures in each school district every month.

Next spring, our emphasis will switch to the sixth graders. We are trying to arrange a conservation bus tour for each



school and will follow this by handing out a conservation workbook. These workbooks originate from the Palo Alto Soil Conservation District and cover the topic of soil and water conservation from many points of view.

Outdoor Classes

A conservation education committee has held several meetings and has received representation from every school district in the county. They have settled on the idea of promoting the development of an outdoor classroom and laboratory on some county-owned land near Turkey Creek.

Next summer, this same group hopes to sponsor a teacher's workshop on using the outdoor classroom as a teaching tool. Also the committee wants to be sure that none of the various conservation education workshops that are held in this part of the state go by without Cass County participants.

This new program that works in the classroom compliments the effort the district makes to educate adults. This annual report is one of our educational tools. We want to stress the need of applying soil and water conservation practices so we can insure a productive agriculture for generations to come.

There is no doubt in anyone's mind that with a good job of teaching conservation in our schools it won't be so hard selling conservation to adults in the future.

Covered Wagon Story

By Mrs. Daisy Cannon
of Brayton

Chapter Eight

Being the oldest of the five small children, I soon became accustomed to the general pattern of camp life, and easily tiring of the bound-in confinement of the daily procedure of inactivity, just sitting and riding.

I was often the first one out of the wagon and ready to explore when our group stopped to camp. Mother warned me to be careful.

One day feeling a great need of exercise, when we stopped, I climbed out and took off up the next hill on ahead. All roads were country roads probably blazed by first westbound travelers or made by following old Indian trails.

There was very little traffic. It was great. I stood up on top of the hill and beheld a whole panorama the rest of my party had not yet viewed. All of a sudden, I saw coming toward me an animal in very much of a hurry to get where he was going, with a definite attitude of "every-body-out-of-my-way."

I turned about and flew for camp as fast as my small feet could carry me. Upon being questioned, I shouted that there was a fierce animal like an

alligator rushing this way. I couldn't say just how large, looking like it might try to eat up everyone in camp.

Armed with stout sticks the men made a dash up the hill, stopped, looked puzzled, then began laughing. They soon reported all they saw coming in our direction was a little western lizzard, nine or 10 inches long, common in the western highlands, larger than those occasionally seen in Iowa and with a tough, horny covering on their backs.

They advised "let them alone and they will not harm you. Do not try to pick them up."

Firmly, mother said, "Hereafter, when we stop, wait for some older person to go with you when you start out exploring."

Thinking this over, I realized that fright can enlarge things beyond reality. Mother was right. Another lesson learned.

Maple flowers appear as red tints near the top of trees and some look like a bright chartreuse gauze against the sky. They are often mistaken for leaves but if examined closely will reveal a mass of flowers all over the tree.

EXPECT GOP TO LEAVE \$15 MILLION IN KANSAS CITY

KANSAS CITY, Mo. — What does a national political convention mean to the host city?

Economic-impact studies released here predict that the 30,000 to 40,000 delegates, alternates, media and convention followers who are expected to jam into Kansas City next August will spend at least \$7.8 million. The cumulative effect, applying an accepted multiplier of two, will double the financial impact on the Kansas City economy.

Henry Bloch, president of the Chamber of Commerce of Greater Kansas City, predicted that visitors will spend an average of \$52-a-day for five days in the Missouri metropolis. Based on the lower estimate of 30,000 convention-goers, Bloch said the GOP meeting would mean \$7.8 million in actual new dollars for KC restaurants, hotels, taxi cabs, night clubs and retail stores.

Bloch broke down the expected spending this way:

More than \$2.3 million or about 30 per cent, will be spent on local hotels and motels. Restaurants are expected to receive \$1.7 million, or more than 21 per cent. Retail spending should reach \$1.5 million, or 20 per cent. Local transportation spending is estimated

at \$405,000 or about 5 per cent.

Spending on "beverages" should account for \$647,400 or 8.3 per cent, while "entertainment" will be about \$795,600, or 10 per cent.

These figures fall \$405,000 or about five per cent short of the predicted total. The Chamber executive says that will go for unexplained "miscellaneous" items.



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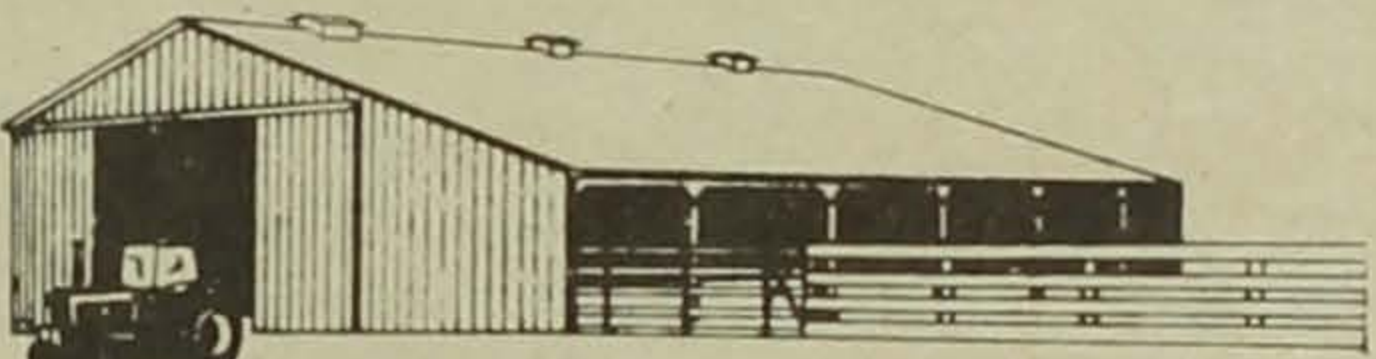


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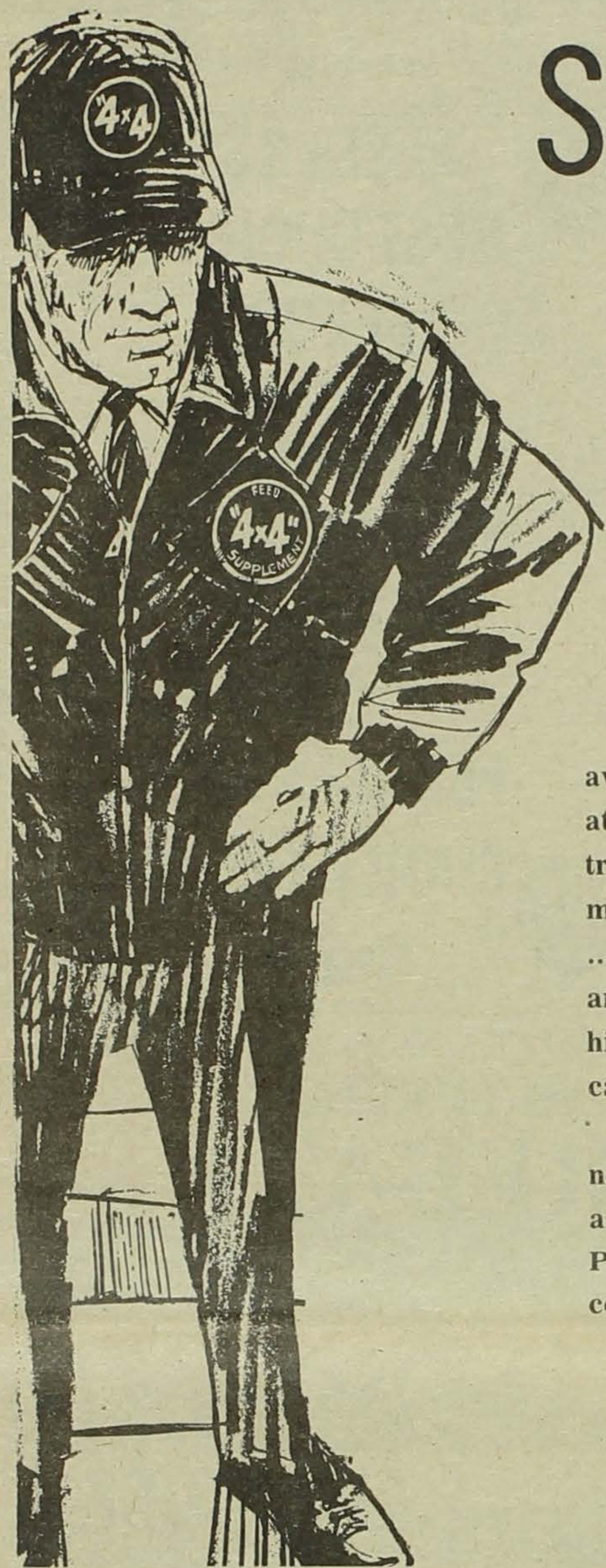
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RUMENSIN is new, and it will be important in the months ahead. It will not, however, substitute for balanced and proven nutrition necessary for a beef supplement to do its job. That's why you should look to 4x4 Beef Programmers. They deliver results. And results are the reason successful producers choose Walnut Grove over and over again.

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