

1981
Thirty-ninth Annual Report
CASS COUNTY SOIL CONSERVATION DISTRICT
Atlantic, Iowa

1981

Baby pigs tell us: the "just-as-goods" just don't measure up.

Other baby pig feeds claim to perform as well as Weaner Supreme. But the proven ingredients in our formulation put Weaner Supreme in a class by itself.

Take milk protein for example. Weaner Supreme is the complex starter that's high in milk protein — Mother Nature's most perfect protein for baby pigs.

Baby pigs gain faster and more economically on milk protein than on protein from soybean meal. And at high milk protein levels, performance is increased.

Check the results of these studies from the Walnut Grove Research Farm using pigs 3 to 5 weeks of age. One third of the pigs were fed starter with low milk protein, $\frac{1}{3}$ at a medium level and $\frac{1}{3}$ at a high amount.



Gain/100 lbs. feed:

Low	Medium	High
65.4 lbs.	74.6 lbs.	81.3 lbs.

Level of milk protein

Gain during experiment:

Low	Medium	High
620 lbs.	730 lbs.	850 lbs.

Level of milk protein

These results are typical of many tests run at our Research Farm, and are in line with performance on thousands of midwest farms. Another proven fact: Pigs started on Weaner Supreme continue to do better on finishing rations... there's a nutritional carryover. You'll save feed all the way to market.

Talk to your Man from Walnut Grove for more research data on 4x4 Weaner Supreme, the complete starter ration. Or ask him about 4x4 Pre-Weaner (for a faster start), 4x4 Weaner Special (for stressed pigs), and 4x4 Weaner Mix (for grinding and mixing your own starter).

1981 Annual Reports

- 1 Office
- 2 James Gulliford
- 6 to Steve Stover
- 1 to Senator C. W. Hutchins, 902 Prairie, Guthrie Center, IA 50115
- 1 to Senator Charles Grassley, Senate Office Bldg., Washington, DC. 20510
- 1 to Senator Roger Jepsen, Senate Office Bldg., Washington, D.C. 20510
- 1 to Representative Tom Harkin, 514 Cannon House Office Bldg., Washington D.C. 20510
- 1 to Regional director: Ed Baldwin, Little Sioux, IA 51545
- 1 to Davis Conservation Library, P.O. Box 776, League City, Texas 77573
- 11 to SCDs in the following counties: Monona, Crawford, Carroll, Greene, Harrison, Shelby, Audubon, Guthrie, Pottawattamie (2), Adair

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ATLANTIC NEWS-TELEGRAPH FARM MONTHLY

ATLANTIC, IOWA

JANUARY 30, 1982 ISSUE

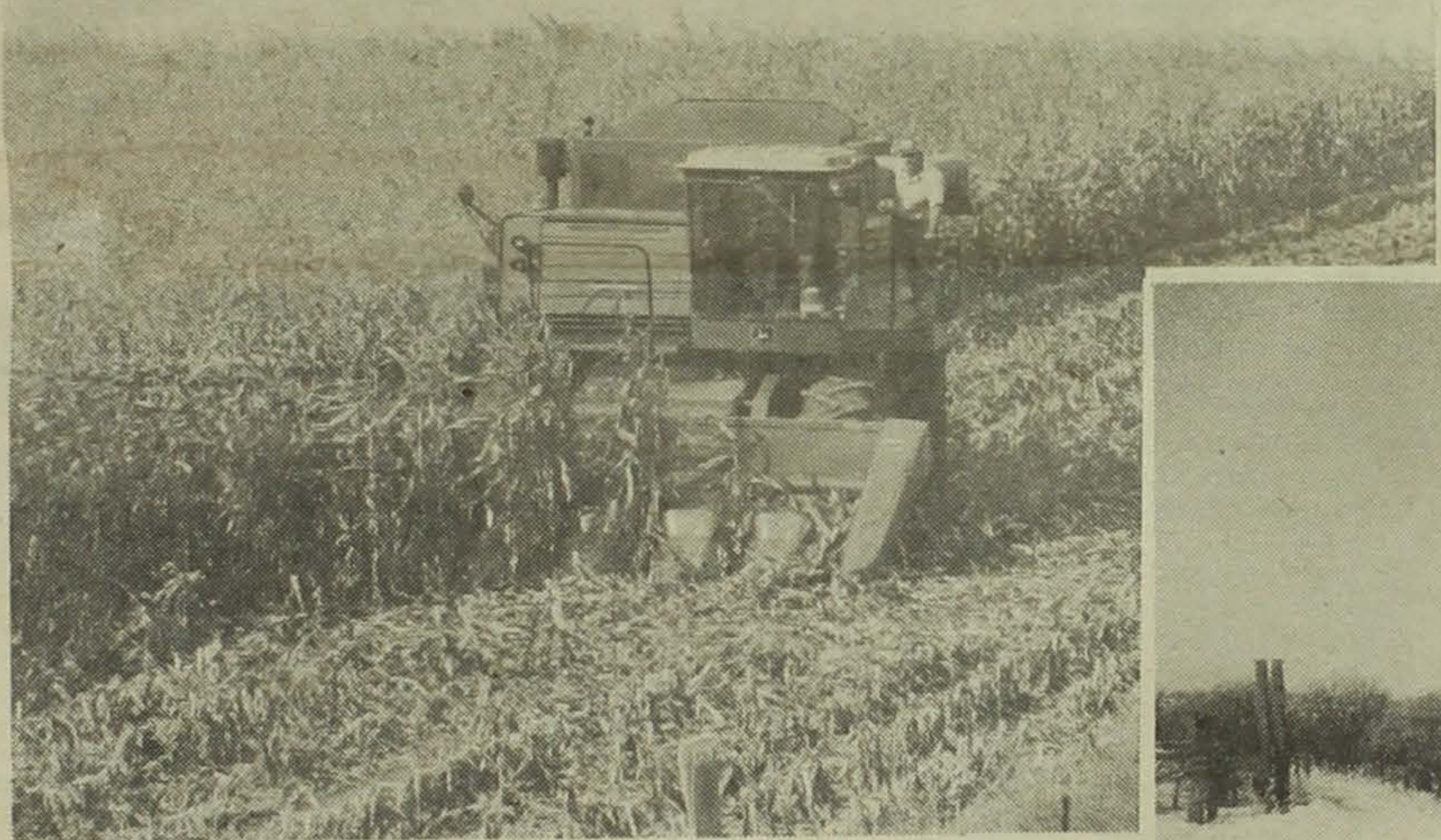
The Changing Scene From Spring To Winter



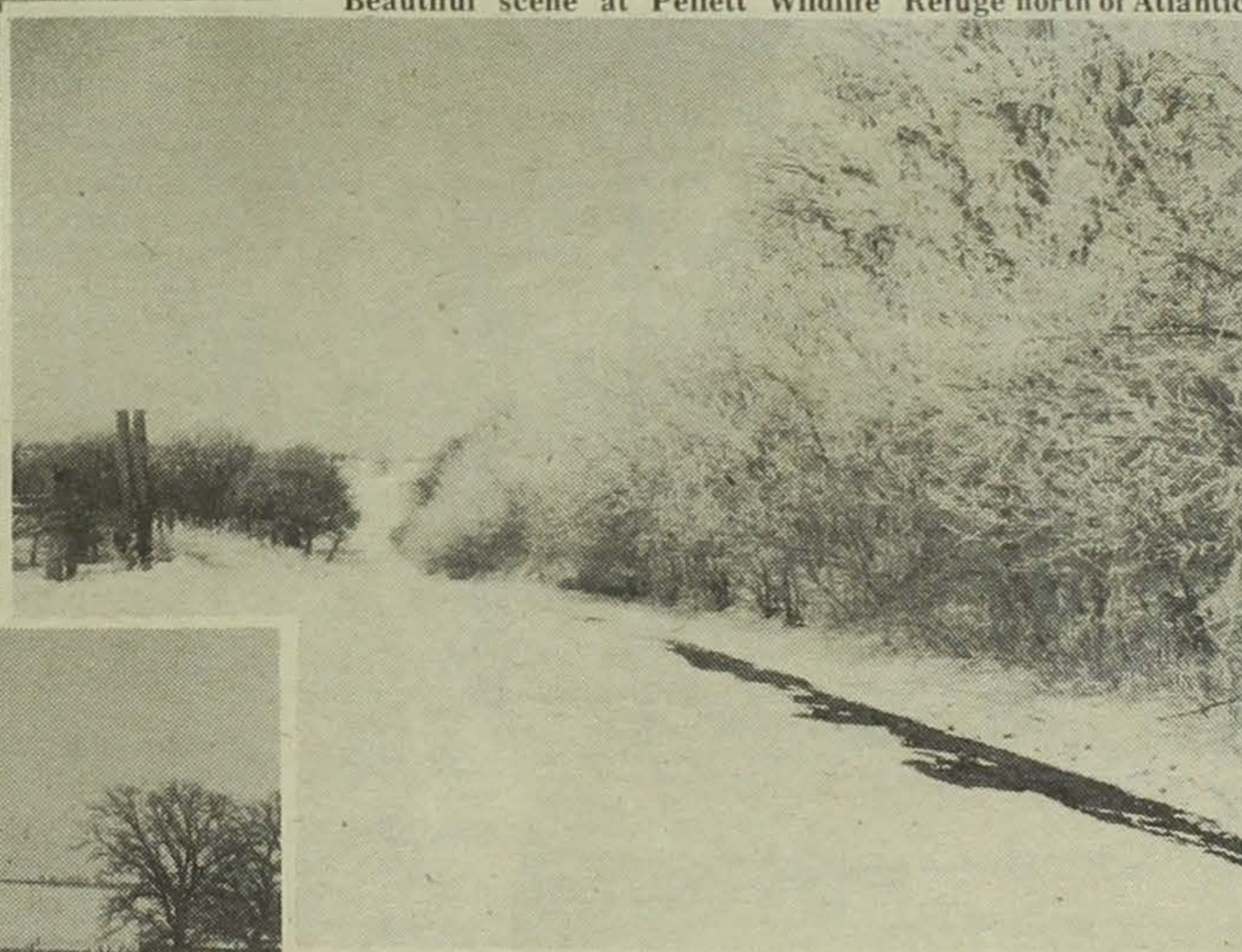
View of Hitchcock Recreation Area near Lewis.



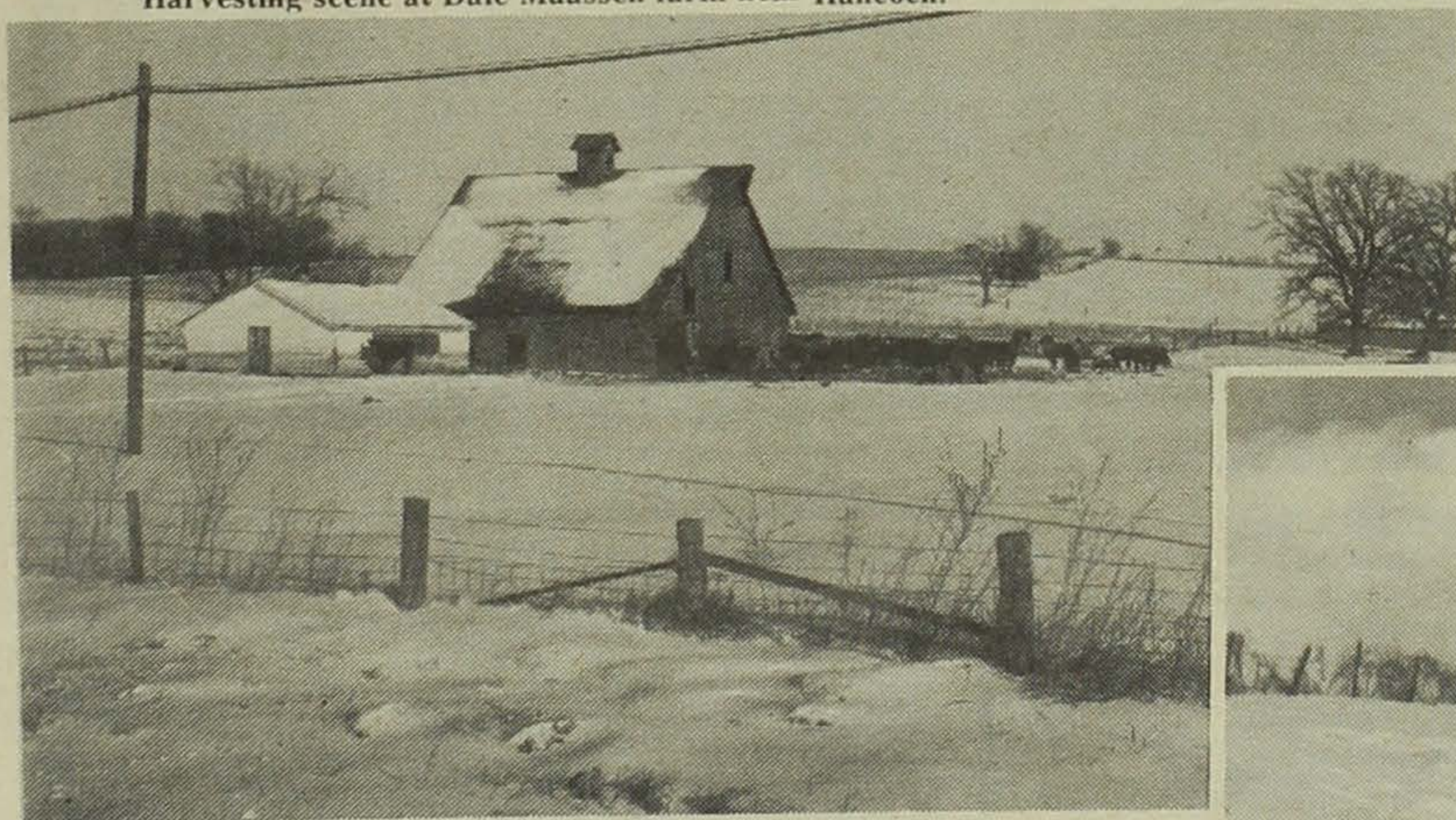
Beautiful scene at Pellett Wildlife Refuge north of Atlantic.



Harvesting scene at Dale Maassen farm near Hancock.

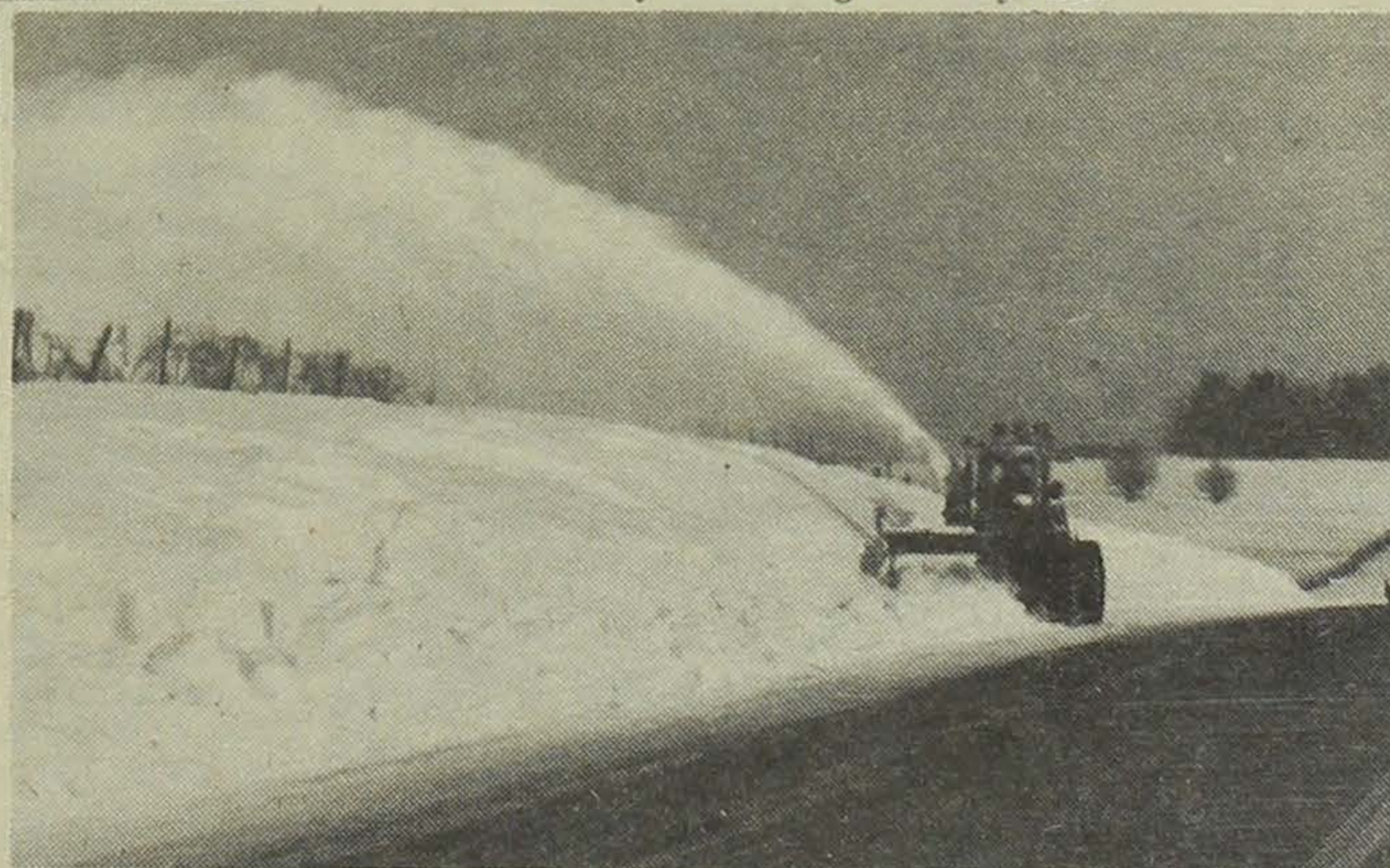


Frosty scene along a country road.



A snowcovered barnyard.

Iowa's weather is constantly changing, from hot to cold and dry to wet throughout the year. Some say "wait 30 minutes and it will change." A number of stories in this issue of The Farm Monthly, which is marking its 23rd year, are devoted to an important part of Iowa's rural scene — the conservation of land and natural resources. Iowa's heavy rainstorms in the last few years have taken a heavy toll on Iowa's precious top soil and the need for more conservation measures are being discussed throughout the state and nation. Information for the stories was supplied through the Cass County Conservation District Office.



Blowing snow along G-30 west of Atlantic.

Poets Corner

MOODS

Sometimes I get so crabby
I could bite a nail in two;
I quarrel with my neighbors
And get my loved ones in a stew.

And then I feel just awful,
So low down and so mean
That I'd like to hide forever
And never more be seen.

So I've learned to be more
patient
With other folks I know;
They, too, may have these ups
and downs
Which leave them feeling low.

—Marjorie McVicker Sutcliffe
Audubon

RANDY

Randy was a winner
In every single sense.
He was one of a chosen few
Who knew what friendship
meant.

Never did we see a frown,
But, as always, there was a
smile.
For Randy could always cheer
us up,
If only for a while.

He gave us something special,
More precious than anything
else.
And we will always treasure
this.
For Randy gave himself.

Randy never thought of himself,
He thought of others before.
And if you ever felt left out,
Randy would come and open the
door.

Randy had time for everyone.
He turned even the darkest days
bright.
He always, always, gave his
best.
To make everything turn out
right.

So, let's not grieve for Randy,
He wouldn't want it that way.
But no matter what, never
forget
How Randy brightened up our
days.

Randy's in a better place,
Away from sadness and fear.
And let us all remember this
Though we wish that he were
here.

Randy will indeed be missed,
but
We'll always remember his
laugh and smile.
We should all be thankful to
God.
For giving him to us for a while.

Yes, Randy was a winner.

By Becky Hill

1982

The youngster who stood out-
side
The day Old 80 passed away,
Is now an Old and Wrinkled
man
Whose hair has turned to gray.

His eyes are sad and tearful,
But he smiled as he sighed;
"I know my year is over
And I'm sorry, but I tried.

I know young 1982
Now stands outside the door
Waiting to take her place in Life
As I did a year before.

I hope her year will be better
And easier than mine,
And that my mistakes and
errors
Help her year turn Out Fine."

Bess Schoenthal, Atlantic
(This was written before
Curt Sytsma's poem came out
on New Year's Day.)

SOCKS ARE HANDY

Fuzzy little foot socks keep feet
cozy and are so handy. They
make great dusters, powder
puffs (especially for bath
powder), emergency wash and
dry cloths at rest stops, etc.
They take little space in purse,
pocket or luggage. Found a new
use for them the other day when
my grandson came in all wet
and badly needed a pair of dry
MITTENS.

—Maryleona Ecklin Berg
CAPPER'S WEEKLY...

FOOTPRINTS

How soft in the night the snow-
flakes fell!
I wake to a world white and
new.
The dirty grays of yesterdays
Have disappeared from view.
Where shall I step in this un-
touched scene?
What will my footprints show?
A path so straight, no time to
wait —
A tangled maze of circled
ways —
A frenzied pall of frantic fall —
Who guides my footsteps so?
I'll walk today in my own way,
I'll make my own design.

How soft in the night the old
year passed!
I wake to a year new and bright.
The cold, sad tears of yester-
years
Have vanished from my sight.
How shall I walk in this un-
touched year?
What tale will my footprints
tell?
A path that leads to someone's
needs —
A circled bend to reach a
friend —
A kneeling knee that prays for
thee —
Lord, guide my footsteps well.
Help me to say, from day to
day,
Not my own will, but Thine.

Pauline Martens, Griswold

WAR HERO

They gave him a medal and
called him a hero
And offered him a tickertape
parade;
While the banners flew and Old
Glory waved
The people gaped at the hero
they'd made.
And the mayor gave him the
key to the city,
As the men cheered and the
women sighed;
While a planet away in South-
east Asia
Children cried as their parents
died.

They pinned a star upon his
epaulet
And a bar across his chest;
They revered him in his
limousine,
For at war he was the best.
They poured champagne and
toasted him
And drank to his very good
health,
While upon his velvet cushions
he lay,
Counting up his wealth.

And they kissed the ground he
walked on,
Proclaiming his touch to be
magic;
But in Southeast Asia there still
remains
The trail he left burned and
tragic.

When he died they put him in a
silk coffin
So he could rest comfortably,
And now his remains have
rotted away
Like those he left across the
sea.
And I wouldn't liked to have
been there
When they met in eternity,
This war hero from the U.S.A.
And his victims from across the
sea.

Ramona Lucius,
Harlan

CHRISTMAS PAIN

Christmas Eve is over —
Now comes the pain,
It's not guessing what's in that
big package —
But how to get a battery right
in that train!

And what about that new doll?
It cries when it needs fed,
She's so much like a real baby —
You hear her cry just as you
get into bed!

Sister got a new tea set —
But no tea enclosed,
All she serves is hot water —
Hot water is better than cold!

What about junior's new air-
plane?
The kind that will not fly,
He's trying to get it off the
ground —
He wants to take off and give
it a try!

Dad didn't forget Rover —
He's remembered at
Christmastime,
A dog Dad can't stand all year
long —
Gets him a bone for a dime!

So Christmas has its joy —
But it also has its pain,
After getting all that new stuff
together —
The new year just isn't the
same!

So Happy New Year
Janet Hildreth, Atlantic

'SNOW JOB'

You awaken at dawn
to a quiet you know
is a blanket of silence
from a deep winter snow!

You relax in the warmth
and peace of your bed
while you try to ignore
some reaction you dread!

The silence is shattered
by a snow plow machine
that builds on each curb
a snow wall obscene!

They plow out the center
and once there — you can go!
What it does to your drive
is a hardpacked blow!

You can't toss it all up
and send it back to the sky
to find any place to put it
would make superman cry!

You shovel yourself out —
They plow it again —
as long as it snows —
No one can win!

M.E. Wright,
Atlantic

MY HUSBAND

(In memory of my husband,
Andrew J. Johnson)
Even though you have been
gone more than 4 years,
You still seem so very near and
dear.

I know you are with your dear
sister, Mary
Who has joined you at the
pearly white throne.
You both are rejoicing and
around Jesus will tarry.
We are praying that everyone
will be prepared to meet their
God

So family circles won't have to
be broken,
Because I remember dear
husband
How you prayed with a burden
on your heart.
That you even mentioned
names in your sleep,
So that their souls might in
Jesus keep.
And you prayed for ones you did
know,
And even far souls you have
never met.
If that isn't compassion I don't
know what you would call it.

Dorothy Johnson,
Harlan

90 GRAND YEARS

When you were born to Chris
and Sena at Living Springs —
That was the beginning of so
many good things.
As you were the eldest of the
sons that were born
You seldom had chance to sleep
late any morn.

There was Orle, George,
Walter, Louie and Elden
A baby boy who died — which
made them six children.
You had many school friends
around Living Springs
Once a year you still gather
when the "Lone Star Bell"
rings.

At 15 your family moved near
Atlantic, where you would be
livin'
Your possessions went by train,
but the 12 horses were driven.
You and Viggo drove the horses
to Walnut the first night, but
to your disdain
You couldn't go any further
because it was sure pouring
down rain.

Your family was met by friend-
ly neighbors at Marne
And they stayed overnight with
the Wheatleys 'til morning.
Neighbors and friends drove
through mud roads with
horses and wagons
To help move your belongings,
and no one was laggin'

As you grew older, and weren't
always plowing corn —
You dated Clara, a telephone
operator, from Elk Horn.
Soon you were married, and she
moved to your family farm
Clara was happy — go lucky,
she had so much poise and
charm.

Farming in the "Good Ole
Days" wasn't always so much
fun
Harnessing all the horses, and
harrowing on the run.
Milking all the cows by hand
was also a big chore
But then the children came
along — so now you could
milk more.

First came Pauline, the oldest
of the three
A pert and lively little miss,
to start your family tree.
She helped her mother with all
the house work
Pauline would never her duties
shirk.

You had several hired men to
help do the farming
Leonard Johnson was surely a
real prince charming.
There was never a job that
Leonard couldn't do
He got up early, and worked
'til he was through.

One morning in September —
you were singin' in the rain
Now you have your own hired
man — a baby boy named
Wayne.
Wayne liked the pigs, the cows
and horses, but there was one
big factor
He really thought that you
should buy a bright and shiny
tractor.

For 28 years you were secre-
tary-treasurer of your thresh-

ing crew
That meant shocking lots of
grain, and maybe drinking
homemade brew.
The women cooked and baked a
lot of pie and cake
But there still was time to
visit Andrew and Hannah,
Margaret and Jake.

September seemed to be the
month that you were truly
showered
Another baby boy was born, and
this one your named Howard.
He also liked the animals, the
tractors, wagons and —
That surely helped you to decide
to buy yourself more land.

Ten grandchildren have helped
make your life exciting
They love you very dearly, and
make life so inviting.
Eighteen great grandchildren,
but for sure we cannot say
Just how many more there may
be on the way!

We thank the Senior Citizens
who've helped in many ways
By visiting and playing cards,
and brightening your days.
You clean your house, cook your
meals, and are better off by
far —
Because at 90 years of age —
you still can drive your car.

We thank our God for giving you
to us these many years
You've really helped alleviate
us many times of fears.
Thank you for everything
you've done in any way
And we truly want to wish you
a very "HAPPY BIRTH-
DAY"!!

(To honor the 90th birthday
of my father-in-law,
Orlie Paulsen, of Atlantic)
By Mrs. Wayne (Elsie) Paulsen

'HEAVENLY STRATEGY'

Has the God who created all the
planets in space
Sent a message of warning to
earth's human race?
Is the alignment of planets a
symbol up high?
That earthlings do not have
control of the sky?
Is the strategy in this line up a
frigid weather blow?
That halts earthly efforts in a
deep burial snow?
Wise men have looked to the
stars up above
For the wisdom to earn His
heavenly love!
Is it an omen once more that we
have — Peace on Earth
Before we share space in a
heavenly berth?

M.E. Wright, Atlantic

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Jim Schenk

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Oakland, Ia.

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FLORIDA: Disneyworld, Cypress & Busch Gardens, Kennedy
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NASHVILLE GRAND OPRY: \$185, Feb. 24, reserved seat, 4 days.

NASHVILLE OPRY: March 2, \$256, 6 days.

WASHINGTON, D.C., GETTYSBURG: 8 days, \$344, March 30.

WORLD'S FAIR, KNOXVILLE, SMOKY MTS.: 10 days, \$559.

OMAHA FIREHOUSE DINNER THEATER: Feb. 17, noon buffet,
tour, comedy, \$20. Hurry!

Have Fun! Low-cost charters for your groups.

Now two can travel on Greyhound for the price of one.

See Gladis King, Mgr.

ATLANTIC GREYHOUND DEPOT

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Building Materials

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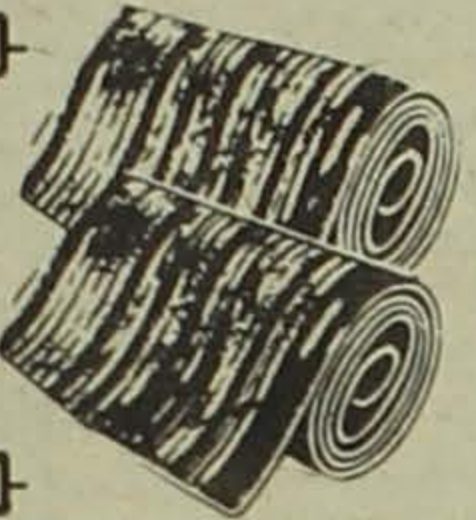
PRICES GOOD
THROUGH FEB. 6, 1982.

OF CARPET & CEILING TILE

CARPET
Candy Stripe

\$1.99
 Sq. Yd.

Level loop carpet in a mixture of bright colors. 12' wide and applied.



PANELING
1st Quality Panels

Attractive simulated woodgrain on tough composition board. Full line of unfinished and prefinished mouldings in stock, too.

\$3.49
 4x8 Sheet

Over 80 Styles and Colors in Stock. Choose From Price Range of \$3.49 to \$16.95. Hurry in Today!

Choose from our large selection of low priced, distinctive panels. Our professional staff is always available with tips for easy installation.



CEILING TILE

2x4
Lite 'N' Brite

Install these lightweight panels quickly & easily. 2'x4'x1/2".

59¢
 Ea.



TRUCK LOAD \$AVINGS\$!

Tweed Level Loop
 1/10 gauge tweed level loop in a mixture of bright colors. Pad applied back. 12' wide.

\$2.99
 Sq. Yd.

Level Loop Carpet
 Amazon. For heavy traffic areas. Anti-static. Pad applied. 12 ft. wide. Scotch-guarded. Styled for maximum durability.

\$3.79
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Kitchen Prints
 Level loop with richly textured pattern. Pad applied. 12 ft. wide. Easy to lay it yourself.

\$4.29
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Hi-Low Cut & Loop
 100% continuous filament nylon. Beautiful sculptured look. Urethane pad applied. 12' wide.

\$6.49
 Sq. Yd.

Hi-Low Shag Carpet
 Nylon 3 color tweed shag. Urethane pad applied. 12' wide. Meets FHA & HUD specifications. Compare at \$12.79.

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 Sq. Yd.

Twisted Plush Carpet
 DuPont Antron III nylon. Anti-static and anti-soil. Resists crushing & matting. Meets FHA and HUD specifications. Urethane pad applied. 12' wide. \$14.99 value.

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12 Ft. Armstrong Vinyl Floor
 Large selection of patterns in stock. As Low As

\$2.99
 Sq. Yd.



Woodgrain Panels
 Economical way to beautify walls. 4'x8'.

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Masonite Brand Paneling
 Choose from Cordoba Brown, Desert Gold. 1st quality. 4'x8'. WHILE SUPPLY LASTS.

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 Northshore, Lakeland, Brookside, Birch 4'x8'.

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 4'x8'. Elegant brick & stone in easily applied panels.

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Thrifty Tiles
 2'x4' Wood fiber economy ceiling tiles. Let us show you how easily you can install a brand new ceiling!

\$1.29
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 2'x4'. Embossed wood fiber ceiling panel. White panels are durable & easily cleaned.

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 Fiberglass with vinyl face. Washable, easy to install.

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Terra Tiles
 Fiberglass with vinyl face. Washable.

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Staple Up Ceiling Tile
Econofiber Tile
 12"x24". Plain white.

18¢
 Sq. Ft.

Textured Tile
 12"x12". White styrene foam. No. 1201.

26¢
 Sq. Ft.

Adobe Tile
 12"x24". White on white fiber.

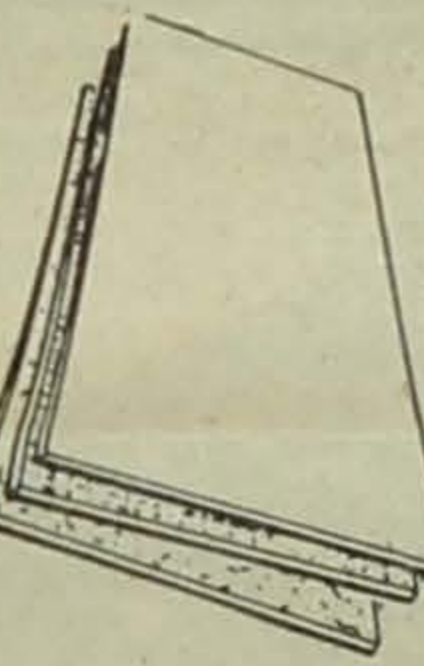
26¢
 Sq. Ft.

Lava Tile
 12"x24". Embossed white. Fiber tile.

27¢
 Sq. Ft.

Textured Tile
 12"x12". White shadow styrene. No. 1205.

28¢
 Sq. Ft.



CLIP AND SAVE \$\$\$\$!

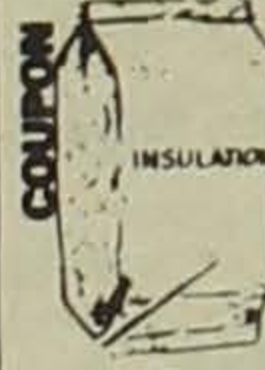
COUPON SAVINGS = CLIP THE COUPONS OUT & GET THE BIG SAVINGS!

ANT **COUPON** **ANT**

Cellulose Insulation Reg. Price... **\$3.99**
 Blow In or Pour SAVE **.50**
 25 Lb. Bag Your Cost... **\$3.49**

Easy Do-It-Yourself
 We now have a blowing machine. Free use of the machine with the purchase of Cellulose Insulation. There is a small deposit on the machine returned when machine is returned.

COUPON



ANT **COUPON** **ANT**

Fiberglass Insulation
 3 1/2"x15" Kraft Faced. R-11

50 Sq. Ft. Reg. Price... **\$6.79**
 Roll SAVE **.50**
 Your Cost **\$6.29**

CertainTeed Fiber Glass Insulation

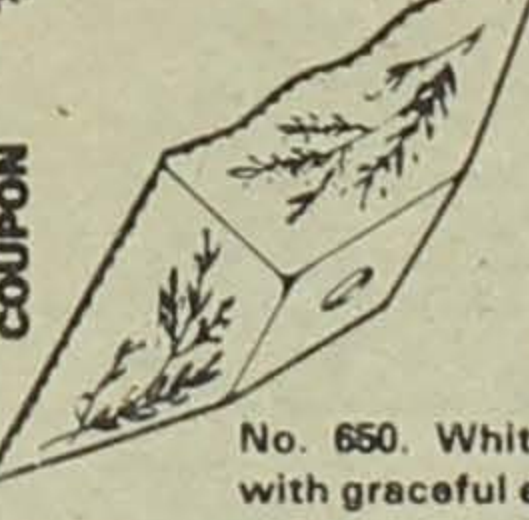


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Ceiling Fixture

Reg. Price... **\$2.79**
 SAVE **.50**
 Your Cost **\$2.29**

No. 650. White 12 inch square shade with graceful etched wheat design.



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FEBRUARY 18-26**

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- 4 nights in Mexico City — Doral Hotel (EP)
- 4 nights in Acapulco in hotel of choice
- Room with private bath and/or shower
- Airport transfers to and from hotel
- Meeting and greeting service at the airport by bilingual staff
- Half day sightseeing of Mexico City
- 276 miles of sightseeing between Mexico City, Cuernavaca, Taxco and Acapulco via private car or deluxe motorcoach with English speaking guide
- Walking tour of picturesque Taxco with lunch
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- Optional sightseeing available
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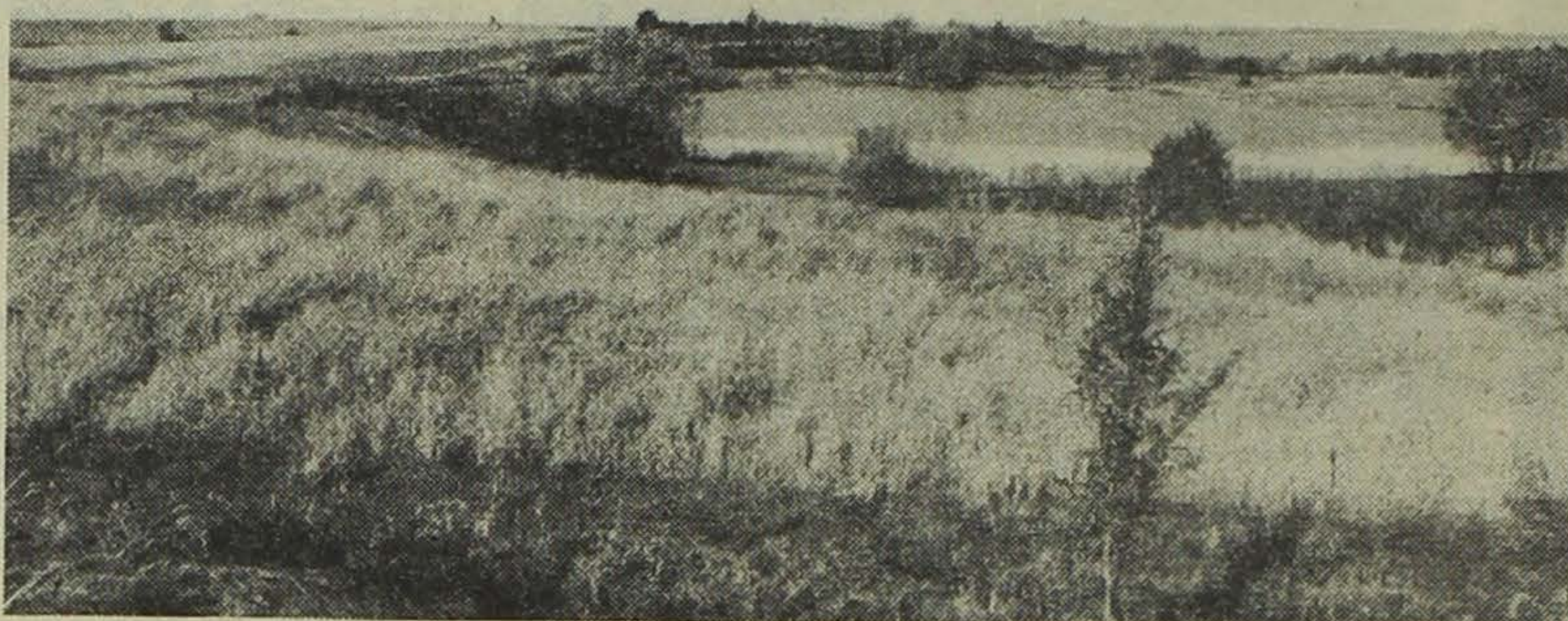
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ATLANTIC

Nodaway Valley Wildlife Area



View of the pond, conifer plantings, shrub plantings and several acres of native grasses at the Nodaway Valley Wildlife Area.

A 40-acre tract of land, known as the Nodaway Wildlife Area, was purchased last spring by the Cass County Conservation Board with the aid of the Iowa Conservation Commission.

Financial assistance for the acquisition was made possible through the commission's Wildlife Habitat Stamp Fund program.

This wildlife area is located four miles south and two miles west of Massena, just south of Cass County road G-61. An access road permits entrance into the main part of the area.

Three spring-fed ponds, ranging in size from 1-8 acres, are outstanding natural features of the wildlife area. Each pond is stocked with a variety of fish, including largemouth bass, walleye, channel catfish and bluegill.

Wildlife Habitat

The remainder of the Nodaway Wildlife Area consists of a diversity of wildlife habitat

plantings for many game and non-game species of wildlife. Conifers and shrubs, established by the previous landowner, provide cover on the west and north ends. Nesting cover has been established through the efforts of the Cass County Conservation Board with the planting of approximately 15-20 acres of switchgrass.

The purchase of this area was due, in large part, to the availability of funds derived from the state's hunters through the Wildlife Habitat Stamp Fund program, officials said.

This program raises revenues for the acquisition of whole or partial interest in land from willing sellers for use as wildlife habitats, and the development and enhancement of wildlife lands and habitat areas. This is done through the issuance of a \$3 habitat stamp required for licensed hunters.

Fifty percent of this money, raised directly from hunters, is then made available to local conservation entities through

cost sharing agreements. It was through such an agreement that the Cass County Conservation Board received 75 percent of the money needed to purchase the Area.

Future Development

The board plans to continue improving the wildlife habitat of this area through the additional plantings of trees, shrubs and food strips. The ponds will be managed with the assistance of the Iowa Conservation Commission, striving to improve and maintain favorable fishing conditions for anglers.

"The purchase and management of areas such as the Nodaway Wildlife Area are important aspects of the Cass County Conservation Board's overall program. Through the continual support of sportsmen, the board will make every effort to implement such important functions for the benefit of both wildlife and people," an official said.

Hysterectomy is the most common operation in America.

**February
5th
6th
7th
Only!**

**What is a
2 FOR 1?**

A game?...
A hobby?...
An exercise?...

It's all these and more at the
Atlantic YMCA!

For three days only, February 5-6-7 two individuals or families, who join the YMCA together, will receive 2 similar one-year memberships for the price of one. Both parties must apply in person, together, at the YMCA and for the same type membership. This offer applies to all new individuals or families, non-members for at least one year and on a cash basis only.

MEMBERSHIP CLASSIFICATIONS

Type	Reg. (ea.)	2 For 1 (ea.)
Adult	\$54.00	\$27.00
College	31.00	15.00
Youth	39.00	19.50
Family	88.00	44.00

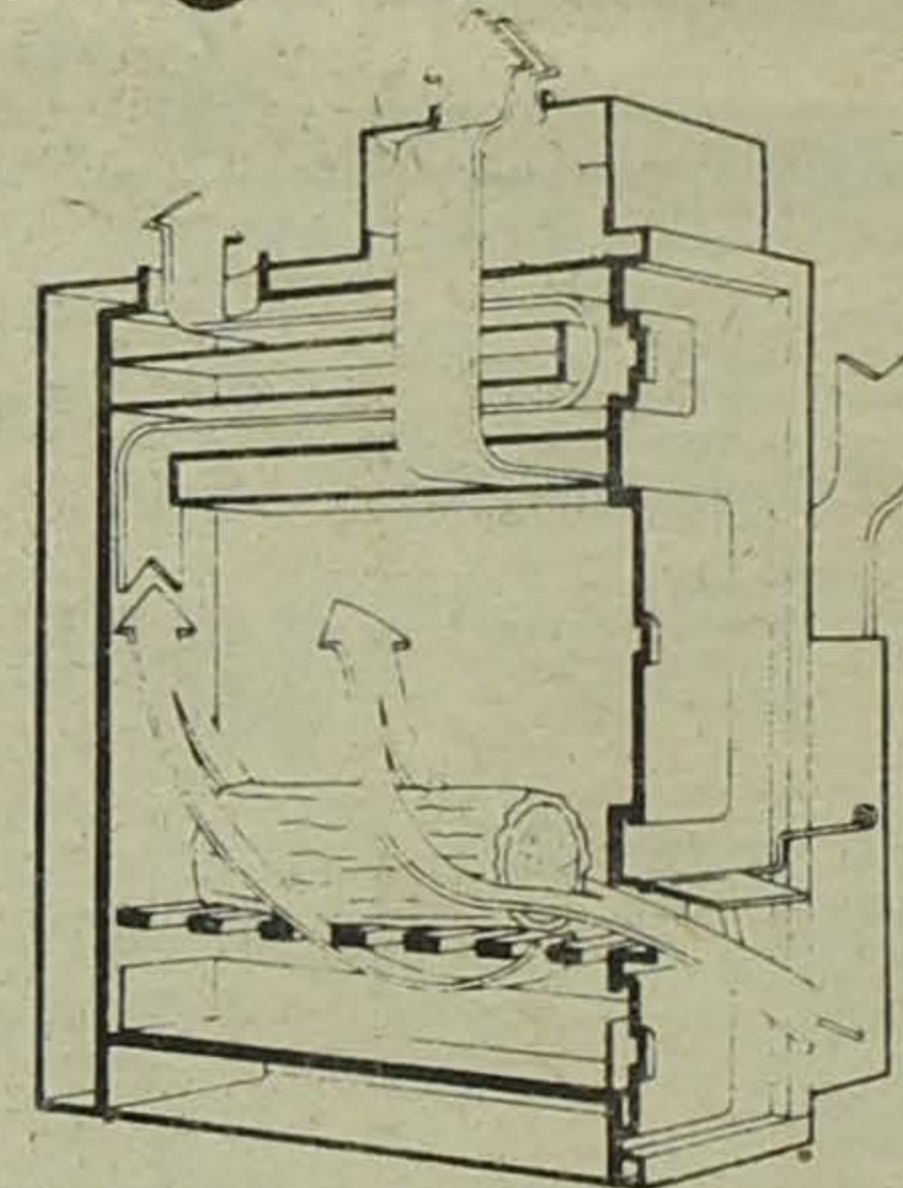
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Needed Clues Of Roots

By Edna Christensen
Of Atlantic

In 1982 will you begin to trace your roots? If so, plan to attend a genealogical meeting as ideas from others can be a big help.

If you have started and need to get your information organized, attend a meeting and see how others have done this.

The Cass County group meets at 7:30 p.m. the fourth Tuesday of each month at the Atlantic Carnegie Public Library.

The organization is also saving Betty Crocker coupons to buy film for its projects.

Persons needing information on Czechoslovakians living in Nebraska and Kansas may write to Mrs. Rudie Sobotka, 11014 Military Avenue, Omaha, Neb. 68164. She has booklets with a lot of information.

Have you considered a new project this year? There are many worthwhile projects nearby that you can find interesting which need a few hours of volunteer time.

At my house we are looking forward to learning more about



the Cass County Historical Society and the museum in Griswold. We have volunteered to help with the membership drive. The membership is \$2 a person for one year. If interested call me at 243-1460.

The money from memberships is used to improve the museum. Donations and old items are also welcome.

The "Cass County History Book" proved that we have pride in our county and lets help make the museum a reflection of that pride.

If you would like a request for information on your family research to appear in this column write to Cass County Genealogical Society, 706 Hazel, Atlantic, Iowa 50022.

Orient residents working on a community history are interested in using a picture of the railroad turntable that was formerly located at Cumberland. Persons having information about the turntable are to contact Leonard Vitoria, Rt. 1, Box 98, Orient, Iowa 50858.

In 1981, at 1.76 million bushels, was 32 percent higher than 1980. The 1981 wheat production of 4.49 million bushels was up 38 percent from a year earlier due to an increase in both acres harvested and yield per acre.

South African botanists have discovered that a birth control pill pushed into the soil next to a plant stem can produce dramatic effects on growth and improve foliage. Research has shown that hormones in the pill accelerate fertilization and development of plants.

Record Corn, Soybean Crops In Iowa

Iowa's farmers produced record crops of corn and soybeans in 1981 after a nearly disastrous start. Dry weather hindered planting and early crop development while some areas experienced some devastating flood and hail damage in late June. In July and August weather conditions turned extremely favorable with abundant rains and cool temperatures during pollination. Harvest got off to a good start but was slowed by excessive rain in the southern and eastern crop reporting districts.

Iowa's 1981 corn production at a record 1.74 billion bushels was 19 percent higher than the 1980 crop. Yields were quite good across most of the state with the lowest yields experienced in the west central crop reporting district and the best yields harvested in the central and eastern parts of the state.

Iowa's average yield at 127 bushels per acre was 17 bushels above last year's drought-reduced yields and equals the previous 1979 record yield. The 13.7 million acres harvested for grain is the highest on record. Corn silage was harvested from an estimated 500 thousand acres, 22 percent below 1980, with an average yield of 16.5 per acre.

Production of soybeans in Iowa was 330 million bushels, a new record, and four percent above the previous record set in 1980. Soybeans were harvested from 8.15 million acres, one percent below a year ago.

The average yield estimate of 40.5 bushels is two bushels above the previous record set last year but 1.5 bushels below the November forecast. While the final yield was exceedingly good, it did not come up to earlier expectations.

Oat production at 59.5 million bushels was four percent less than last year and the smallest since 1881.

The 1981 hay crop was placed at 8.22 million tons, two percent more than a year earlier.

Production of sorghum grain

CATTLE REPORT

Iowa cattlemen had 1,130,000 cattle on feed Jan. 1 for slaughter market. This is down 18 percent from a year earlier, but 14 percent above the Oct. 1 inventory.

Cattle and calves placed on a concentrated ration during the October-December quarter totaled 900,000, down seven percent from the same period during 1980.

More than 740,000 grain fed cattle marketed for slaughter during the October-December

quarter, six percent more than a year ago. Iowa producers indicate intentions to market 610,000 cattle during the January-March quarter, 12 percent below a year earlier.

Cattle and calves on feed Jan. 1, in lion head, eight percent below a year ago. The seven states accounted for 71 percent of the 23-state total on feed.

Seven-state marketings during the October-December quarter accounted for 75 percent of the 23-state total compared with 76 percent a year ago.

LAWYER/SINGER

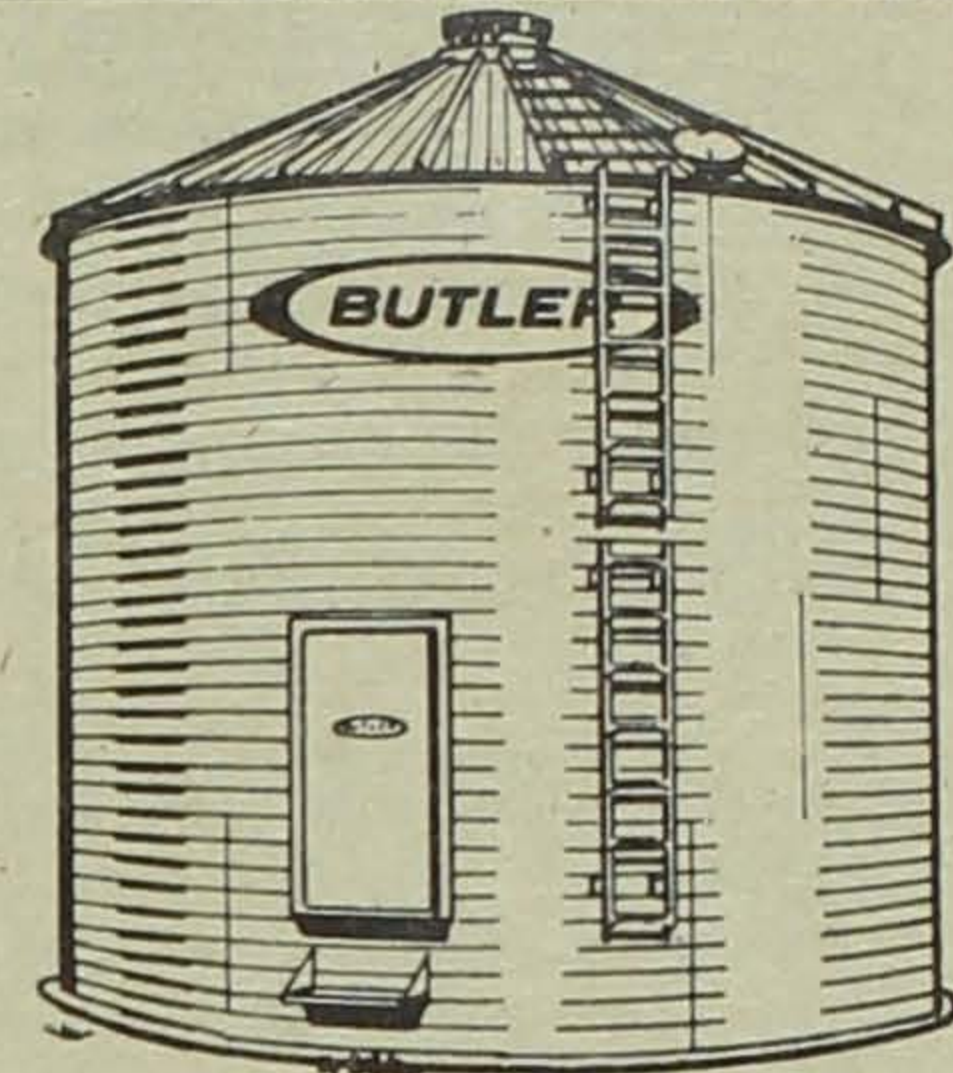
FAIRLAWN, Ohio (AP) — During the week, he is an assistant Summit County prosecutor. But on Friday nights, he's a piano player singing in a local bar.

Wayne Calabrese, 31, said he taught himself to sing and play the piano and the guitar. He said he thought about making a career of singing when he was 21 but gave up the idea.

Calabrese is a graduate of the University of Akron School of Law.

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24x18	7,673	\$2511	33¢
27x18	9,872	\$3045	31¢
30x18	12,387	\$3387	27¢
36x18	18,333	\$4826	26¢

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Injured Duck Back At Country Club

LAS VEGAS, Nev. — Donna the Duck, the mallard nursed to health after an arrow pierced her chest, has returned to posh

country club living following a winter in the southern Colorado River Basin or Mexico.

Tom Harper of the U.S. Fish and Wildlife Service said he sighted Donna mingling with other ducks at the Las Vegas Country Club.

Donna became the center of national attention last May when the U.S. Fish and Wildlife Service netted her at the ninth hole pond at the Sahara Country Club where she had an arrow lodged in her breast.

Better Wildlife Habitat Critical Need In Iowa



Tom Berkley

By Tom Berkley
District Wildlife Supervisor

The wildlife section of the Iowa Conservation Commission is responsible for the management of game birds, game animals and furbearers statewide. An important phase of this program is to establish hunting and trapping seasons which provide maximum recreation for Iowa sportsmen while maintaining adequate seed stocks of wildlife to maintain and/or increase their populations.

An additional work is currently being done to study the needs of non-game species such as song birds, and programs to benefit these species are being studied.

Management, development and maintenance of public hunting areas and wildlife refuges is an important segment of section responsibility. Two major areas in southwest Iowa that are managed

primarily for waterfowl include Forney Lake and the Riverton Wildlife Area. Additional state owned areas provide excellent public hunting and are distributed statewide.

In order to plan and execute programs beneficial to wildlife management the state has been divided in quarters. District offices have been established in each district and are located in Spirit Lake, Brighton, Lewis and Manchester. The wildlife districts are each staffed with a wildlife management supervisor, who supervises the activities of five wildlife management biologists assigned to the area.

These unit biologists are responsible for the maintenance of state-owned areas within the unit, and are expected to devote approximately 70 percent of their time in working with private landowners to provide technical assistance in maintaining, creating and improving habitat for wildlife on private farms.

The wildlife section is aware of the fact that most wildlife is produced on private lands, and that the greatest amount of hunting is done on private lands. The offices of the unit biologists have been located in either Agricultural Stabilization Conservation Service (ASCS) or Soil Conservation Service (SCS) offices to provide better contacts and services with private landowners.

It is apparent that the future of wildlife is in the hands of the farmer, who may be influenced by contacts with wildlife biologists to plan farming operations that will be compatible with and which might even enhance wildlife habitat.

The importance of habitat improvement is recognized by the Iowa Conservation Commission as perhaps the most critical need in wildlife management today.

The commission decided to attempt to improve habitat on private lands through a cost-share program. The objective of this program is to demonstrate to private landowners that switchgrass pastures provide economically desirable warm season livestock forage and encourage wide-spread unsubsidized switchgrass plantings which will benefit a wide variety of wildlife species.

The commission will spend approximately \$100,000 annually for the next several years to cost-share this program. These funds are being derived from the sale of wildlife habitat stamps which are purchased by all hunters and trappers 16 through 65 years of age.

This program also involves the SCS, and ASCS and the Extension Service. SCS field offices will provide technical assistance for establishment and management of switchgrass pastures, and will cooperate with wildlife biologists in contacting landowners interested in such a program.

The commission will cost-share seeding costs not to exceed \$60 per acre the year of establishment, and will cost-share chemical treatment and fertilization during the second year not to exceed \$15 per acre.

Additional information will be available from ASCS and SCS offices, and from the various wildlife biologists located in various sections of the state.

The original Bill of Rights proposed by Congress as an addition to the U.S. Constitution contained 12 amendments, not 10. The two that failed to be ratified by the states was an amendment to set the size of the House of Representatives, and one that would have prevented congressmen and senators from raising their own salaries.

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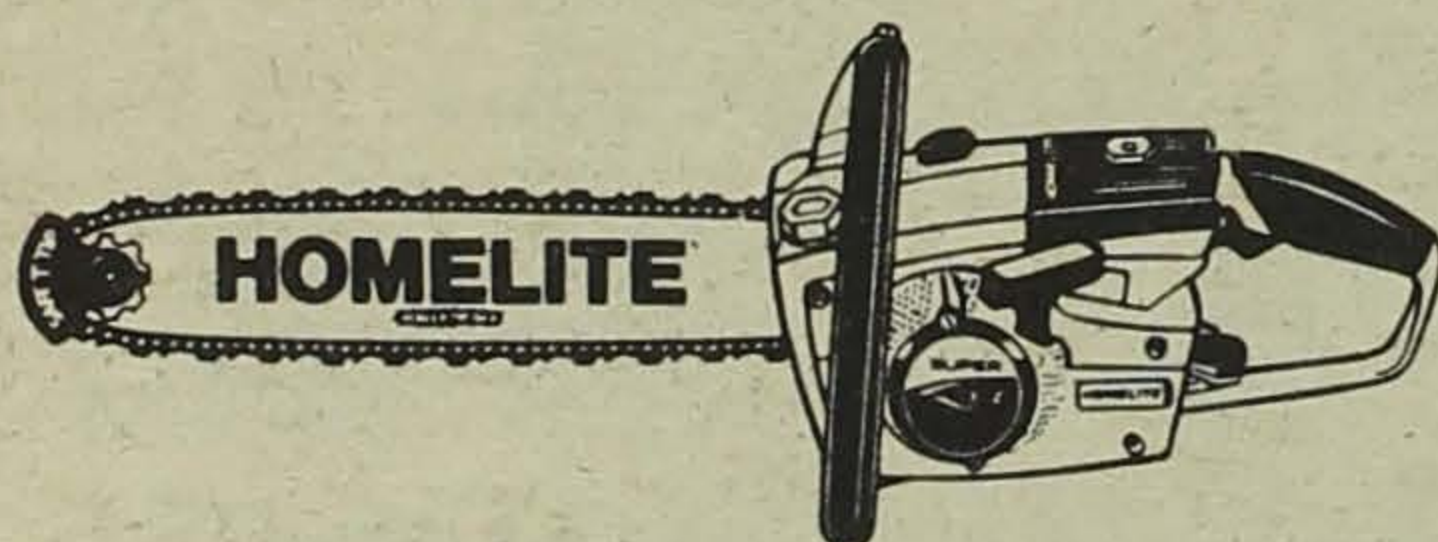
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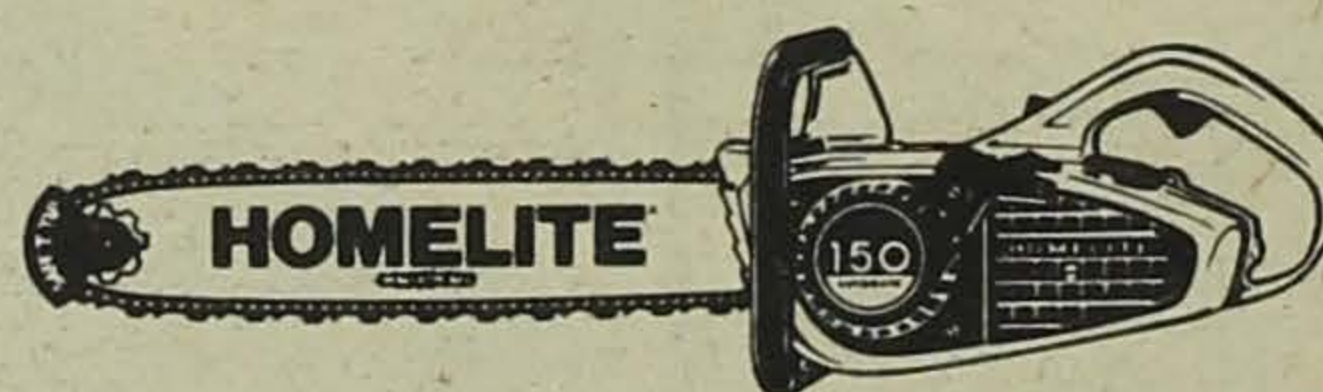
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Miller Cited As Outstanding Commissioner



Max Miller

Max H. Miller of Griswold, a Cass County Soil Conservation District commissioner for 17 years, was named one of nine outstanding commissioners in the state for 1981.

Miller has been active in the West Nodaway Watershed board of directors and has been involved in many district activities, along with serving as chairman of the Cass County Resource Coordinating Committee, the Cass County Rural Conservation and Development Board and the Cass County Land Preservation Commission.

Activities in various community affairs keep Miller busy throughout the year.

The selection was made by the Iowa Association of Soil Conservation District Commissioners and Wallace Farmer of Des Moines.

The recipients are selected for their service to the soil conservation district program on a district, regional state and national level. They are also given consideration in the judging process for their community activities.

Miller has some definite ideas on the value of soil conservation. "Do we conserve or continue on our destructive course?" he said. In America, there are 200 new people to feed every hour. Also, in that same hour urban expansion and coal mines take 220 acres out of production. That is equal to 23 average-size Missouri farms going out of business each and every day.

"Also, everyday, 26 square miles of top soil wash or blow away from what is left. At the rates of loss I have quoted, it could take less than 100 years to lose every single acre of cropland now farmed; then we would have left a wasteland.

"Here are some things that can prevent disaster: Zoning to preserve prime farmland, crop rotation, strip cropping, no-till and terraces. Any of these practices can be used to prevent erosion," he explained.



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Estate Planning

The Economic Recovery Tax Act of 1981 has drastically changed many of the provisions of the Estate and Gift Tax Laws.

The Darryl D. Smith Company of Atlantic will be discussing how these new changes may benefit your estate planning objectives at a series of meetings throughout Southwest Iowa. All of these meetings are being sponsored by various local businesses as a public service to inform you of the potential tax savings possible with planning under this new law.

Some Of The Topics To Be Covered Include:

- ★ Wills and Trusts provisions under the new law.
- ★ Passing \$1,200,000 of estate values free of Federal Estate Tax.
- ★ Increased annual tax free gift limits.
- ★ Avoiding probate.
- ★ Earning Money Market rates on your savings without paying current income tax on the earnings.
- ★ Buying permanent life insurance at term rates and earning Money Market rates on your cash value.
- ★ The new "All Savers Certificates" - are they for you?

These meetings are being held to provide you with information on how the new law may benefit you. These are not sales meetings and no one will call on you.

MEETINGS TO BE HELD

All meetings to be held from 1:30 to 4:00 P.M. unless noted otherwise.

Wednesday, February 10th

Exira, Iowa.
Sponsored By: Exira Farm Supply

Thursday, February 11th

Creston, Iowa
Sponsored By:
Draper, Snodgrass & Mikkelsen P.C.

Date to be announced

Randolph, Iowa
Randolph State Bank

Tuesday, February 16th

Shenandoah, Iowa
Sponsored By:
Matthews, Miller, Maly & Co. P.C.
Duffy-Randolph Agency

Thursday, February 18th

Red Oak, Iowa

Saturday, February 20th

Atlantic, Iowa
Insurance Place

Date to be announced

Adair-Stuart
5 by 80 Country Club

Saturday, February 27th

Oakland, Iowa

Monday, March 1st

Corning, Iowa 7:30 P.M.
Voc. Ag Class Room, Corning High

Date to be announced

Harlan, Iowa

Saturday, March 6th

Clarinda, Iowa
Nordlund Insurance Agency

Tuesday, March 9th

Glenwood, Iowa

Mr. Neil Harl of Iowa State University will be discussing wills and trusts on March 23, 7:00 P.M. at the 4-H community Bldg.

Some dates and meetings are tentative, so watch for further announcements or call

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1976 Ford LTD four door sedan.
1975 Buick Electra four door sedan.
1975 Oldsmobile Cutlass four door.
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1972 Dodge ¾-ton pickup.

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**Name Gary Wolfe To
District Officer**

Gary Wolfe

Gary Wolfe has been appointed to fill the vacancy as Cass County Soil District commissioner caused by the resignation of Lawrence Blunk. Gary operates a 312-acre farm in Benton Township.

It was formerly farmed by Blunk and has served as a conservation "showcase" for travelers on Interstate 80.

Wolfe also assumed duties as a Troublesome Creek Watershed director, along with his father-in-law, Russell Jordan. Together, they assist the district commissioners to obtain land rights necessary to build the 33 structures planned in the Cass County portion of the watershed.

**New Survey To
Update Farm Costs**

United States farmers spent over \$136 billion in 1980 to produce crops, livestock, and poultry, topping the previous year's \$134 billion level. According to the U.S. Department of Agriculture and the Iowa Crop and Livestock Reporting Service, this averages over \$56,000 per farm, nationally.

Feed purchases at \$20.1 billion, up 12 percent from 1979, were the major expenditures for farmers. Purchases of livestock, poultry, and related

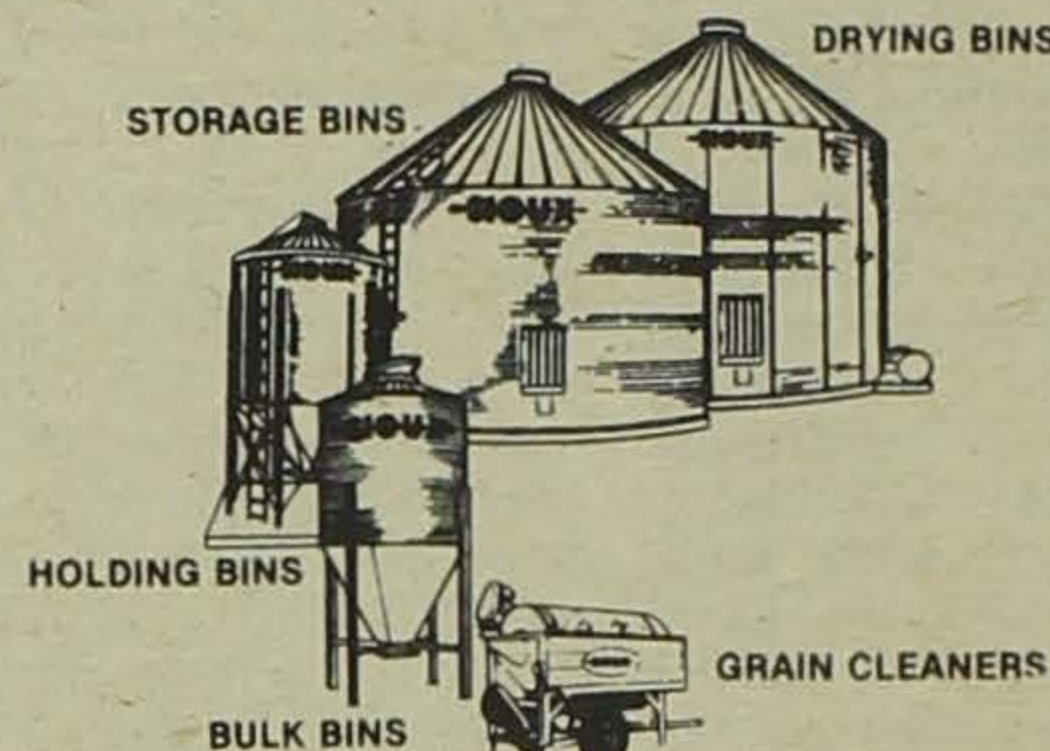
expenditures followed at \$17.4 billion, down 19 percent; rent at \$11.9 billion, up 16 percent; farm machinery and equipment at \$11.0 billion, down eight percent; interest at \$10.6 billion, up 20 percent; and fertilizer at \$10.2 billion, up 16 percent.

During February and March, enumerators from the Iowa Crop and Livestock Reporting Service will interview a cross section of farmers as part of a

nationwide program to determine 1981 production costs.

Duane M. Skow, Iowa agricultural statistician, points out that information about the farm production outlays is important in comparing the farmer's well-being with that of other groups in the nation's economy. He adds that all responses will be confidential and only regional and national summaries will be published.

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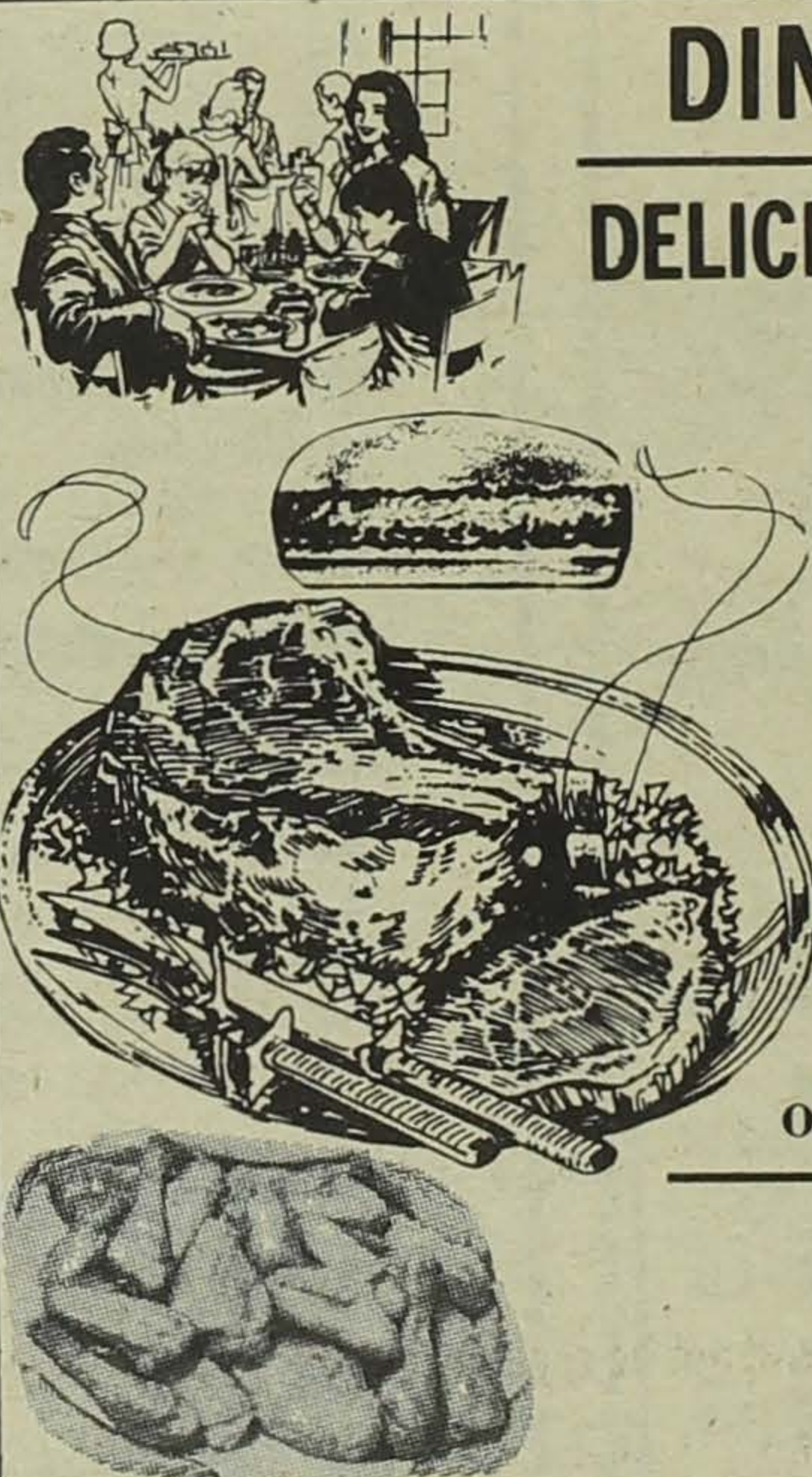
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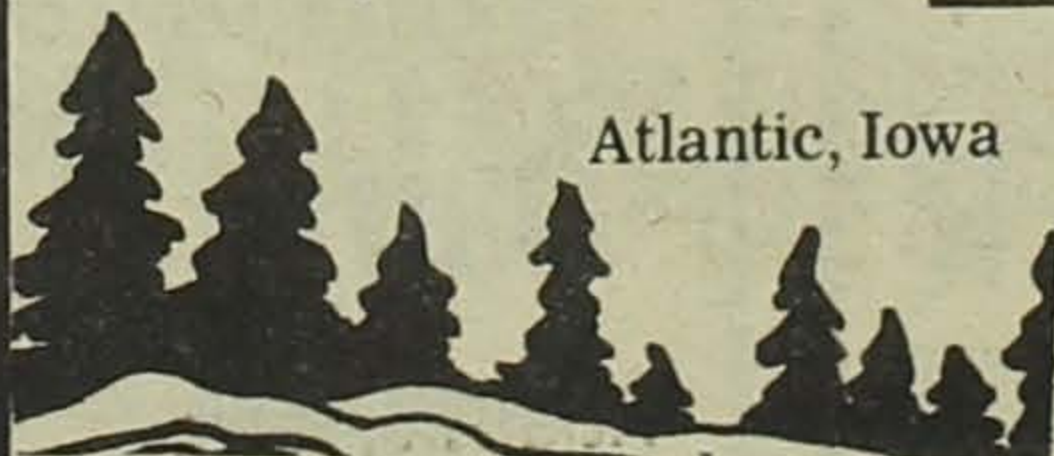
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Galaxy 340	\$2259	\$1699	\$200	\$1499	\$ 760
Galaxy 440	\$2424	\$1824	\$200	\$1624	\$ 800
TX 340	\$2534	\$1834	\$250	\$1584	\$ 950
TX 440	\$2699	\$1974	\$250	\$1724	\$ 975
TXC 340	\$2699	\$2049	\$250	\$1799	\$ 900
TXL 340	\$3139	\$2339	\$250	\$2089	\$1050
Centurion	\$3859	\$3359	\$250	\$3109	\$ 750
(1981)					
Gemini 244	\$1420	\$1220	\$150	\$1070	\$ 350
Outlass 340	\$2099	\$1799	\$150	\$1549	\$ 450
Outlass SS	\$2625	\$2225	\$200	\$2025	\$ 600
Galaxy 440	\$3045	\$2495	\$200	\$2295	\$ 750
TXC 440	\$3149	\$2549	\$250	\$2299	\$ 850
TXL 340	\$3465	\$2665	\$250	\$2415	\$1050

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Atlantic Optometrist Sees Eyeful As Shrine Band Member

By Larry Peterson
N-T Staff Writer

Playing in the 1982 Cotton Bowl Parade in Dallas, Texas, and later attending one of the best bowl games of the year turned out to be the highlight of an Atlantic optometrist's drumming career that spans more than 40 years.

As a member of the Abou-Ben-Adhem Shrine Brass Band of Springfield, Mo., Dr. Ralph Smith joined 79 other Shriners and marched in the streets of Dallas on New Year's Day in front of a throng of onlookers and a national television audience.

the Cotton Bowl football game involving the University of Texas and the University of Alabama, thanks to a set of complimentary tickets issued by the Cotton Bowl Parade Association.

But, the Cotton Bowl is actually a small segment of the thrills and fellowship collected in Smith's memory book of musical history that dates back to the 1930s. The drumming philosophy he grew up under stressed the rudimental style rarely found these days, and the pair of Rosewood drumsticks he first used in 1936 still show the skills developed in national competition years ago.

Atlantic Contest

Smith first caught sight of Atlantic in 1940 while a student at Abraham Lincoln High School in Council Bluffs. He entered the state music contest held at the Baptist Church located in the southeast corner of Seventh and Chestnut, and has vivid memories of that day.

"My instructor, a man from Omaha, told me to come to play, so I really hit those drums," he recalls. "I was told people were looking out the windows in the courthouse across the street, wondering what was going on."

He began attracting a lot of attention, especially after winning a national high school drum solo contest in Kansas City, Mo., and he accepted a job with the Union-Pacific Railroad Band after graduating.

But, soon duty called and Smith began active service in the Navy. He filled a desperate need for amateur radio operators and music took a back seat for awhile, although he always carried his sticks with him and "jammed" when opportunities arose.

Vets' Band

Following his discharge in October 1945, he helped organize a veterans' band in Council Bluffs with service chums. He is one of the charter

members of what has become the American Legion Band there, and performs with the group in the Veterans Day parade each year.

Smith moved to Atlantic in 1951, and became a member of the pit orchestra in the old Jaycee road shows and also played with the Bull Creek Five.

He's been performing in Shrine bands for 10 years. He had scheduling conflicts in Des Moines, and became a member of the Tangier Shrine Brass Band in Omaha, both marching and concert. He and another drummer split the duties in the summer parade schedule and other occasions.

A highlight for the Tangier Shrine each year is the Shrine Bowl, a high school all-star football game held at Lincoln, Neb., in August. The band performs in a parade and at the game. Also, band members, at their own expense, travel to three nursing homes by bus to present 45-minute programs.

Prestigious Band

The Abou-Ben-Adhem Shrine Brass Band, also marching and concert, is the other Shrine band that counts Smith as a member. It is a prestigious outfit, and members get to play with the group only by invitation.

"It turned out that I was auditioning at a parade in Omaha and didn't even know it!" Smith said.

In the past seven years, that band has won first places in marching band competitions at Toronto, Canada; Denver, Colo.; St. Louis, Mo.; Kansas City, Mo.; Tulsa, Okla.; Omaha; and New Orleans, La. Playing in the Cotton Bowl was a thrill, Smith said, and plans are in the making for a Florida trip next year.

The annual participation in these events are called Imperial Shrine Sessions and Central States Shrine Association Sessions. They involve Shriners of all walks of life from across the North American continent.

Smith pondered the trip to the Cotton Bowl after the invitation was extended in September 1981.

Rare Opportunity

"My wife, who cannot accompany me because of health reasons, mentioned that I had just been to New Orleans," Smith remarked. "I said yes,

but at my age when would I ever have the opportunity to be asked to participate in a bowl parade like that and attend the game? As it turned out, the other 79 members all felt the same way!"

Smith said the band was luckily in step when passing in front of the announcer's stand in the parade that covered more than two miles. He added that some of the summer parades are very taxing, requiring around three miles of marching in weather that reaches the 90s in both temperature and humidity.

"And you have to remember that the average age of the Shrine band members is 55," Smith added.

As an accomplished drummer with more than 40 years of experience, Smith has some definite views on the state of the art.

Style Altered

"I don't know, maybe I should quit dwelling on the past, but I come from a generation of rudimental drummers, which is the core of all drumming, and I think it has been altered over the years," Smith declared.

Rudimental drumming is a particular fundamental style that involves positioning and a certain type of stroke or beat. When he sees marching bands perform today, Smith notes a transformation in style geared to "show."

"It's a more simplified style

now, so the fancy drill procedures and high stepping can be executed," he said.

Smith admires three drummers "that play like drummers." They are Ed Shaughnessy of the NBC Orchestra and Johnny Carson's "Tonight Show"; and famed Buddy Rich; and the drummer on "The Lawrence Welk Show."

Circus Music

Smith himself is a popular man when it comes to important drumming, and he plans to play with a national organization of musicians called the Wind Jammers this summer in Ames. They will meet for the purpose of recording music to preserve circus music, which has faded away in recent years.

He also hopes to accept an invitation to play with the Iowa Western Community College Concert Band, and of course, continue playing with the two Shrine bands.

The busy optometrist is a member of the following music organizations: National Drum and Bugle Corps Association, honorary member; National Association of Rudimental Drummers; Percussive Arts Society Inc.; Shrine Bandmasters and Bandsmen Association of North America; and Central States Shrine Association Brass Band Association.

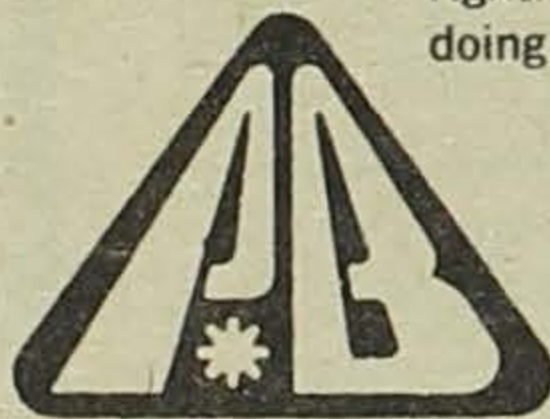
"It involves a lot of time and expense," Smith said of participation in Shrine band activities, "but we all do it for the love of music and the fellowship."

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Pastures Need Conservation

By George Hosfelt
District Commissioner

Conservation and protection of land and soil is not always accomplished with terraces, contouring and the like. Land under grass is still one of the best conservation practices.

We are well aware that it is hard to show a profit with pasture and grass and livestock. Cattle prices are down and the profits for the cattleman using pasture for forage production are not good.

The tendency is to abandon the cattle, plow up the pasture and grow corn and beans. Another solution could be to keep the cattle, keep the grass and find ways to be more profitable.

Management

Pasture management is the key to pasture efficiency, and it takes many forms. First of all, the simplest management tool is the rotation of pastures.

Continuous grazing of the same field will not give maximum production per acre. Using a simple electric fence to give part of a pasture a rest, is one way to rotate, that is economical to do.

Fertilizer can be used on pasture just like it is on cropland and give good results. A dollar's worth of fertilizer on pasture will give back more than a dollar's worth of extra grass. This means either more carrying capacity per acre, or more pounds of gain per acre.

Getting the weeds out with 2-4-D also means better pasture efficiency. Broadleaf weeds compete for space and use up soil moisture.

Some broadleaf weeds, like thistles, are especially bad and even against the law. Weed control alone, using safe, inexpensive chemicals like 2-4-D can increase pasture production considerably.

Bluegrass can be fertilized to increase production, but it still will play out in the summer and fall. Reseeding to better grasses



George Hosfelt

can sometimes pay off even with the added expense. Introducing a legume into established pasture will increase the amount of protein and increase carrying capacity also.

Profit Consideration

Before pastureland is converted to cropland, it is important to consider whether there will actually be more profit. Marginal land in pasture is not going to give the best corn yields.

If the maximum corn yield will only be 70-80 bushels, then it is more profitable to leave it in pasture. When the cost for erosion control on this marginal land is added to the cost of crop production, it makes even more sense to keep it in pasture.

There is not much we can do to improve the profit margin in cattle. We can do a lot to gain better efficiency and produce better gains on the pasture we have.

Some of our marginal cropland might be more profitable as extra pasture acres to allow some pasture rotation or re-seeding to better producing grasses like switchgrass. Regardless of how we look at pasture, land under grass won't be washing away, and there are things that can be done to make pasture profitable.

Chicago, which has the world's tallest building the Sears Tower, now plans one 2300 feet high, or twice as tall as New York's Empire State building.

Saving Soil Draws Attention Of Many Groups In Iowa

By James Gulliford, Director
Iowa Department Of
Soil Conservation

Of the 26 million acres of Iowa cropland that comprises Iowa's principle natural resource, more than two-thirds of this area is being depleted by wind and water erosion at a rate two to three times greater than the rate at which the soil is being regenerated.

The problem can be no clearer and the consequences if not solved no more frightening. Thus the need for soil conservation across Iowa continues to draw the attention of legislators, farm organizations, environmental groups and most importantly concerned citizens.

At the present time 13 bills dealing with various types of soil conservation incentives are pending before the Iowa General Assembly.

In response to this need, Iowa leads the nation in terms of its inputs to its own state soil conservation efforts. Programs for cost sharing to finance the construction of soil conservation practices and windbreak construction are available and over the years, significant gains have been made.

However, the task ahead remains large and there is growing concern that continued soil loss will begin to limit the productive capacity our state has known over its first hundred years.

Economy

The state's depressed agricultural economy has further limited the ability of landowners to invest in conservation measures they need. Budget constraints on federal, state and local government units have limited the availability of additional funds for soil conservation work.

At the same time, rising construction costs due to spiraling inflation have diminished the net accomplishments that are possible under existing funding levels. All of these factors equate to trying to do more work with less resources.

However, the resource that remains strong and is increasing in intensity is the will of the people to attack this problem. There is an increased awareness of soil conservation needs among the state's agricultural community and there is more and more effort on their part to apply the principals of soil conservation to their farm practice.

Yearly increases in conservation tillage practices are heartening.

Commitment

In addition, the commitment of the state to soil conservation programs continues to



James
Gulliford

increase. Presently, the Department of Soil Conservation employs 179 people and administers an \$8.9 million budget.

Program areas include assisting soil conservation districts, cost-sharing for soil conservation practices, soil survey work, water management planning in conservancy districts, and surface mine reclamation programs. The department also administers Iowa's soil conservation laws, the state's erosion control law, and the recently enacted Iowa Soil 2000 Program.

Critical to the state's ability to meet the challenges ahead, is the continuing spirit of co-operation among state, federal and local agencies and the agricultural community. The role of the soil conservation district commissioners in administering soil conservation programs will remain the critical element to insure the wise utilization of resources in meeting the needs of the farm communities.

Cass County is well served in this regard by its elected board members who have helped to foster and develop a strong and well recognized soil conservation program in the county.

For these reasons, it is apparent that the challenge before us is only surpassed by the will of the agricultural community, Department of Soil Conservation staff and co-operating agencies to meet that challenge.

The goals of the Iowa Soil 2000 Program enacted in 1980 of bringing topsoil erosion from all lands within the state to within nondepleting levels by 2000, are ambitious but attainable and to that challenge we turn to 1982.

MEAT REPORT

Commercial red meat production (beef, veal, pork, lamb, and mutton) in Iowa during November 1981 totaled 518 million pounds.

Cattle slaughter totaled 296,000 head in November, 19 percent above a year earlier.

Average live weight at 1,096 pounds was up two pounds from November 1980.

There were 1.82 million hogs slaughtered in November, down 11 percent from a year ago, with an average live weight of 247 pounds.

Fisheries People Strive To Have Better Fishing

By Bruce Adair
Fisheries Management
Biologist
Regional Office at Lewis

The fisheries section of the Iowa Conservation Commission is well represented in Cass County since Cold Springs State Park is the headquarters of the southwest regional office.

Joe Schwartz of Griswold serves as southwest Iowa regional supervisor for 27 counties.

Bruce Adair, fisheries management biologist from Griswold, and Larry Gepner, fisheries management technician from Griswold, are responsible for fisheries management activities in a nine-county district, including Cass County.

Kay Hill of Lewis is a fisheries research biologist at the Cold Springs Office, specializing in small impoundments. His assistant is Dale Anderson of Lewis, a fisheries research technician.

The duties of the fisheries research and management personnel differ somewhat, although the goal of each is the same — to provide optimum sport fishing recreation for area anglers.

With this goal in mind, the research biologist concentrates on specific projects to provide answers or guidance toward better management of area waters for fishing.

For instance, in recent years the research team at Cold Springs has completed intensive studies on farm pond stocking and management, benefits of mid-summer draw-down of artificial lakes, and the classification of Iowa lake types according to their watershed and lake basin characteristics.

The farm pond study was completed in 1980. Information gained from this study was condensed into the booklet, "Iowa's Farm Ponds." This booklet is a must for any pond owner serious about managing his or her pond for fishing, and is available free from the Iowa Conservation Commission.

Another research project currently under way involves the manipulation of fish populations by summer aeration. This study is on Cold Springs Lake and will be completed in 1983.

While the research branch looks at a few specific questions each year, the duties of the management branch are more diverse. It is the management biologist's duty to make stocking recommendations as needed for his respective lakes.

In Cass County, for instance, 1981 stockings included 4,500 channel catfish fingerlings and 750 tiger musky fingerlings for Lake Anita.

The management biologist works in conjunction with the Cass County Conservation Board in the rearing of channel catfish in cages at Cold Springs Lake. Through these efforts 3,800, one-half-pound catfish were stocked into Cold Springs Lake, Cocklin Fish Farm at Griswold and Holste Pond near Massena.

Management activities also include fish population surveys of lakes to look for problem areas and devising methods of correcting these problems. This might include a total fish renovation project such as the one at Prairie Rose Lake in Shelby County last summer in which a 200-acre lake was partially drained and the existing fish population eradicated.

Prairie Rose was then restocked with desirable species in correct proportions.

Fish management may include the addition of habitat into area lakes in the form of brush piles and stake beds. Recommendations concerning proposed regulations are the duty of management personnel. Minimum length limits on largemouth bass and tiger musky are two examples.

Public relations is an important aspect of the fish manager's work. Through talks, newspaper articles, radio and television reports, he acquaints the fishing public with his work and the prospects for sport fishing in waters within his management district.

As a result of the conscientious efforts of the five fisheries employees have jointly accrued some 80 years of study and experience in the fisheries field, area anglers can be assured that sport fishing in this area is in good hands.

Conservationists say that more than 25 million birds and animals are trapped annually in the United States and are often left to die agonizing deaths.



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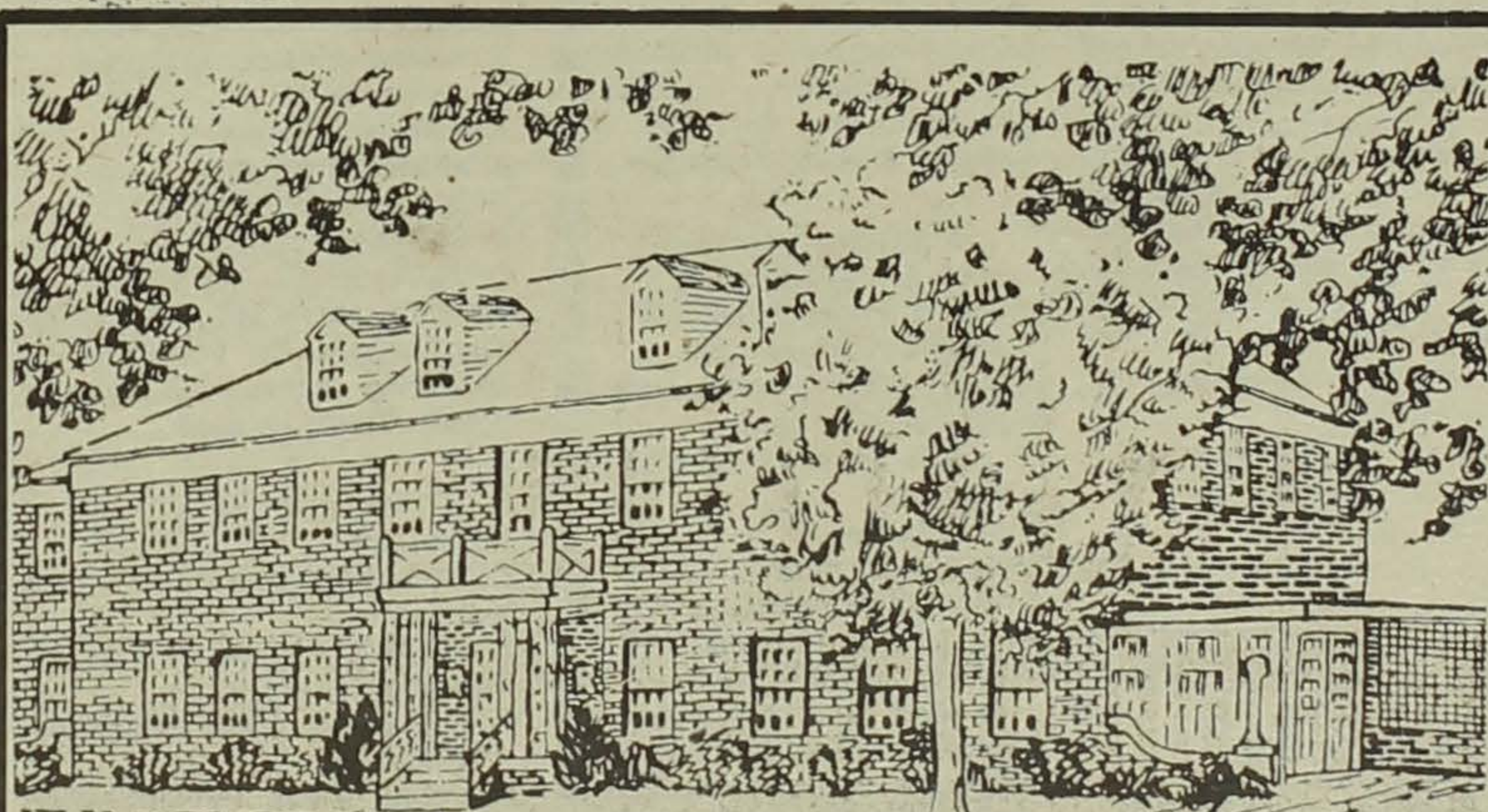
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Casseroles Take The Bite Out Of Wintry Winds

Pork And Potatoes Are Perfect Partners For Easy Casserole

A hearty casserole extends a warm welcome to winter appetites. It also provides a nutritious meal-in-a-dish when the foods that fill it are selected with an eye to nutritive value as well as flavor. Meaty casseroles score high on both these points.

When tasty, boneless pork cubed steaks are left whole and layered in a casserole of scalloped potatoes, a delicious knife-and-fork entree results, says Reba Staggs of the National Live Stock and Meat Board.

EASY PORK AND POTATO SCALLOP

- 6 pork cubed steaks (2 to 2½ pounds)
- 1 tablespoon lard or drippings
- 5 cups thinly sliced potatoes
- 1 cup milk
- 1 can (10¾ ounces) condensed cream of mushroom soup
- 2 tablespoons instant minced onion
- 1 tablespoon diced pimiento
- 1½ teaspoon salt
- One-eighth teaspoon pepper

Brown steaks on both sides in lard or drippings. Place half the sliced potatoes in a 2½-quart casserole and top with 3 pork cubed steaks. Place remaining potatoes on cubed steaks and top with remaining steaks. Stir milk into soup. Add onion, pimiento, salt and pepper and pour over steaks and potatoes. Cover and bake in a 350-degree oven 1 hour 15 minutes. Remove cover and bake 10 to 15 minutes longer, or until potatoes are tender. 6 servings.

APPLE FRITTERS

Flecked with fruit and flavored with spice.

- 1 cup pancake mix
- ½ teaspoon cinnamon
- ¼ teaspoon nutmeg
- 1 egg, slightly beaten
- ½ cup milk
- 1 cup finely chopped pared apple

In a medium size mixing bowl stir together the pancake mix, cinnamon and nutmeg. Add egg and milk; mix until batter is fairly smooth. Lightly stir in apple; let stand for 5 minutes. Drop batter by teaspoonfuls into hot deep fat (375 degrees). Fry about 1½ minutes per side, turning when brown on underside. Drain on absorbent paper. Serve with maple syrup. Makes 2 dozen.

TUNA GREEN BEAN CASSEROLE

- (6 servings)
- 2 cups drained, cooked green beans
- 2 medium tomatoes, sliced
- 1 can (6½ ounce) tuna, drained
- 1 small onion, chopped
- ¼ cup (½ stick) butter
- ½ cup flour
- 1 teaspoon salt
- Dash pepper
- ¾ teaspoon dried thyme leaves
- ¾ cup milk
- 1 cup cottage cheese, sieved
- ¼ cup sliced pimiento stuffed olives
- ½ cup grated Swiss cheese

In a buttered 1½ quart casserole, alternate layers of green beans, tomato slices, and flaked tuna. Cook onion in butter about 5 minutes. Stir in flour and seasonings. Gradually add milk; cook until thickened. Add cottage cheese and stuffed olives. Pour over vegetables and tuna. Sprinkle Swiss cheese on top. Bake at 350 degrees for 30 minutes.



Strips of beef round steak can be cooked quickly in microwave oven for delicious entree.

Modern cooks are interested in saving two things — time and money. Helping them out on both counts is Cheddar Beef Strips — Microwave-Style. One pound of beef top round steak for 4 to 5 servings makes this entree a budget stretcher, while cooking by microwaves means it is ready in minutes. This recipe was developed by the National Live Stock and Meat Board.

CHEDDAR BEEF STRIPS (Microwave-Style)

Partially freeze 1 pound beef round steak, cut ¾ inch thick. Slice steak into strips one-eighth inch thick and about 2 to 2½ inches long. Place 1 tablespoon cooking fat and 1 medium onion, finely chopped, in (11¼ x 7½-inch) micro-safe dish. Cover with wax paper and cook in microwave oven at 50 percent power (approximately 325 watts) 2 minutes. Combine 2 tablespoons flour, 1 teaspoon instant beef bouillon, ½ teaspoon salt and one-eighth teaspoon celery seed; dredge steak strips. Add strips to baking dish, stirring to coat strips. Cover and cook at 50 percent power 4 minutes; stir. Continue cooking, covered, 6 minutes, stirring after 3 minutes. Stir in 1 can (8 ounces) tomato sauce, 1 tablespoon brown sugar and 1 can (4 ounces) mushroom stems and pieces (including liquid). Cook, covered, 2 minutes; stir and continue cooking 2 minutes. Stir in ½ cup (2 ounces) shredded Cheddar cheese and cook, uncovered, 1 minute.

ORANGE ROASTED CARROTS

- 1 pound carrots
 - 4 teaspoon butter or margarine
 - 2 tablespoons fresh orange juice
 - 1 tablespoon brown sugar
 - ½ teaspoon salt
 - 2 tablespoons chopped fresh parsley
- Pare carrots and cut into ½ by 3-inch lengthwise strips; place in 1½-quart shallow baking dish. Dot with butter. Mix orange juice, brown sugar and salt; pour over carrots. Cover loosely with foil and bake in 350-degrees oven 25 minutes. Remove foil and bake 20 minutes longer or until carrots are tender, stirring occasionally. Sprinkle with parsley. Makes: 4 servings.

CHEESE HAM PUFF

- (Serves 4)
- 8 slices white bread or four English muffins, split
- ¼ cup (½ stick) butter, softened
- 8 slices cooked ham
- 8 slices process American cheese
- 3 eggs, beaten
- 2 cups buttermilk
- 1 teaspoon grated onion
- 2 teaspoon horseradish
- ¼ teaspoon dry mustard

Spread bread slices with butter. Arrange four slices on bottom of buttered 8-inch square pan. Cover each with a slice of ham and cheese; repeat layers. Combine eggs, buttermilk, onion, horseradish, and dry mustard. Pour over sandwiches. Bake in pre-heated 325-degree oven for 1 hour. Serve immediately.

SUBSTITUTE YOGURT

You can substitute yogurt for sour cream in many of your favorite party recipes.

Combine two cups plain yogurt with one packet of onion or other dry soup mix. Serve it with fresh vegetables — celery and carrot sticks and cauliflower — instead of high calorie crackers and chips.

- TWICE BAKED AU GRATIN POTATOES**
- 6 large baking potatoes
- 5 tablespoons pasteurized process cheese spread
- 2 tablespoons butter or margarine
- ½ to 1 cup milk
- Salt
- Pepper
- 12 slices American cheese

Scrub potatoes thoroughly; prick with fork. Bake at 375 degrees 1 to 1½ hours. Cut in half. Carefully scoop out inside, leaving thin shell. Mash potato until no lumps remain. Beat in cheese spread, butter and enough milk to make smooth consistency. Season with salt and pepper. Beat until potatoes are light and fluffy. Spoon mashed potato back into shells. Place in flat baking dish. Return to oven at 400 degrees; bake until lightly browned about 20 minutes. Top each potato half with slice of American cheese; bake 2 to 3 minutes until cheese melts. 6 servings.

CHICKEN NOODLE CASSEROLE

- (4 to 5 servings)
- 4 ounces (2 cups) medium noodles
- ½ cups sliced fresh mushrooms
- 2 tablespoons chopped onion
- 2 tablespoons chopped green pepper
- 1 tablespoon butter
- 1 teaspoon salt
- One-eighth teaspoon pepper
- ½ teaspoon crushed basil leaves
- 2 tablespoons flour
- ¾ cup milk
- 1 cup cottage cheese, sieved
- ¼ cup sliced ripe olives
- 2 tablespoons minced parsley
- 1½ cups diced cooked chicken
- ½ cup buttered fresh bread crumbs
- Paprika

Cook noodles according to package directions. Drain. In saucepan, cook mushrooms, onion, and green pepper in butter for 5 minutes. Stir in salt, pepper, basil, and flour. Gradually add milk and cottage cheese; cook over medium heat until slightly thickened. Stir in olives and parsley.

In a buttered one-quart casserole, alternate layers of noodles, chicken, and sauce. Top with bread crumbs; sprinkle with paprika. Bake at 350 degrees for 30 minutes.

This Page By
Mrs. Leonard Hutchinson,
N-T Food Editor

This Tasty Beef Loaf Fits Slim Time Slot

Don't let the dinner rush hour pressure put the squeeze on you. There are plenty of times when a meal is demanded in a hurry, and fortunately there are shortcuts a smart cook can take.

For example, consider meat loaf, a reliable family favorite. It can be table-ready in double-quick time when prepared by a simplified recipe and baked in a flat pan to reduce cooking time, points out Reba Staggs, National Live Stock and Meat Board home economist.

The recipe for Quick Cheese Beef Loaf follows these time-saving guidelines. In it, a can of cheese soup speeds preparation while adding mellow flavor to the juicy ground beef.

QUICK CHEESE BEEF LOAF

- 2 pounds ground beef
- ¼ teaspoon pepper
- 1 can (11 ounces) Cheddar cheese soup
- ¾ cup crushed saltine crackers
- ½ cup chopped stuffed olives
- 1 tablespoon instant minced onion

Sprinkle pepper over ground beef. Reserve one-third cup Cheddar cheese soup. Lightly mix remaining soup with ground beef, crackers, olives and instant minced onion. Place meat mixture in a (9x9x2-inch) pan. Bake in a moderate oven (350 degrees) for 30 minutes. Spread reserved soup over top of meat and continue baking 15 to 20 minutes. Let stand 10 minutes; cut into serving-size pieces. 6 to 8 servings.

MUSTARD BUTTER

- 1 cup (2 sticks) butter
- 2 tablespoons sweet pickle relish
- 2 teaspoons prepared horseradish-style mustard

Combine all ingredients in small mixing bowl; beat until well blended. Spread generously on whole wheat bread. Top with lettuce, ham slices and Swiss cheese slices. Mustard butter keeps well when stored in refrigerator. Yield: about 1 cup.

If your skillet is sticking, heat a little unsalted shortening in it very slowly. Allow to cool. Pour out the shortening and let skillet stand until needed for cooking. Wipe out with a paper towel before using.

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Funds Available For Seeding Switchgrass

By Ken Herring
State Wildlife Biologist

The Iowa Conservation Commission is offering cost-sharing monies to Guthrie, Audubon and Cass County landowners who will plant switchgrass in 1982. Switchgrass is a three to five-foot tall warm season native prairie grass once common in Iowa, which can provide excellent forage for cattle during the hot Iowa summer months.

Switchgrass is quickly gaining popularity with Iowa cattlemen who are managing their pastures more intensively. A pasture rotation system that incorporates both cool-season forage and switchgrass is an efficient pasture management technique.

Since cattle can be removed from exhausted cool-season pastures in late June, placed on switchgrass during July and August, then returned to cool-season pastures during the fall. This allows continuous grazing throughout the growing season.

Yields

In Iowa, switchgrass has

produced dry matter yields that greatly exceed conventional cool-season grasses (brome, fescue, bluegrass) while having only slightly lower crude protein and digestibility values.

A good stand of switchgrass may require a year or more to establish but once established it will last indefinitely if it is properly managed.

Cost-sharing to landowners during the establishment year will be set at 50 percent of the agricultural lime, phosphorus and potassium fertilizer, atrazine, seedbed preparation, seeding, rolling and chemical application costs, up to a maximum of \$60 per acre.

Chemicals

During the following year costs to landowners will be 50 percent of the cost of nitrogen fertilizer, atrazine and chemical application costs not to exceed \$15 per acre.

The commission is promoting and supporting the seeding of switchgrass because of its wildlife benefits and its attractiveness to farmers. Switchgrass

provides excellent nesting and winter cover for wildlife especially pheasants, quail and other nesting songbirds. The funds supporting this program come from the sale of Habitat Stamps purchased by hunters and trappers.

Successful applicants will be required to sign a five-year contract covering the management of the switchgrass planting. Grazing will not be allowed the first year of seeding. Thereafter plantings may be grazed from June 20 to Aug. 20. Many farmers are interested in harvesting the grass for seed or hay as well as grazing their switchgrass stands.

Applications are available from the SCS office in Atlantic, Guthrie Center and Audubon or from Ken Herring, Wildlife Biologist, Iowa Conservation Commission, ASCS Office, Guthrie Center, Iowa 50115, telephone 515-747-2734. Deadline for applications is Jan. 31.

Alcohol and gasoline — a deadly mixture.

MOBILE

MAUMEE, Ohio (AP) — Mr. and Mrs. Cliff Dussel recently completed a vacation trip to Sarasota, Fla. To pass the time,

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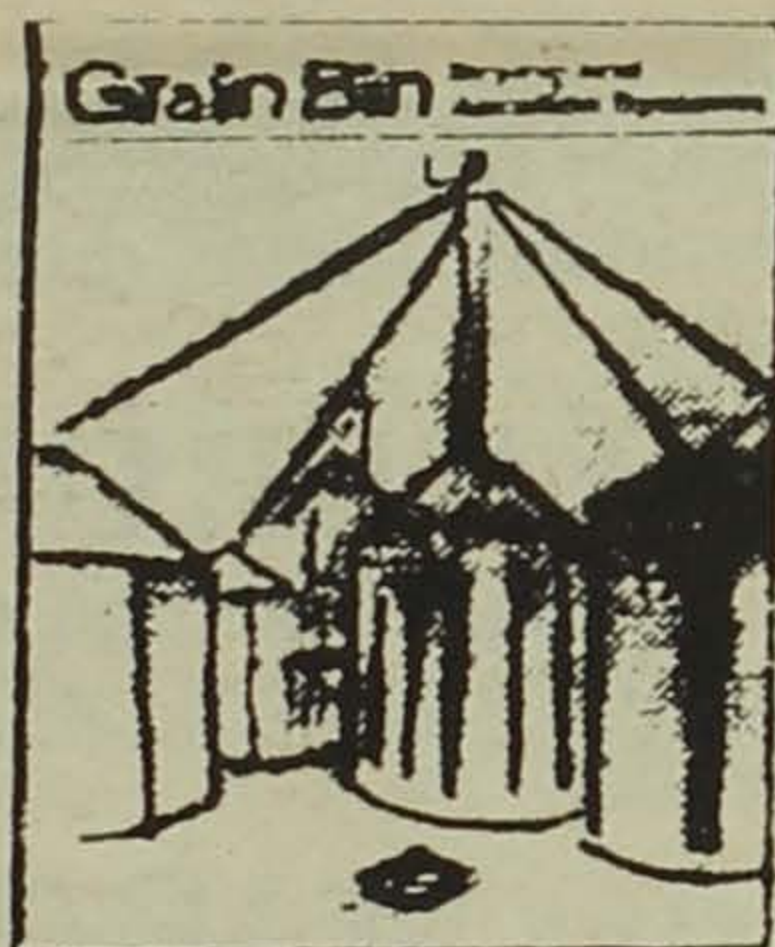
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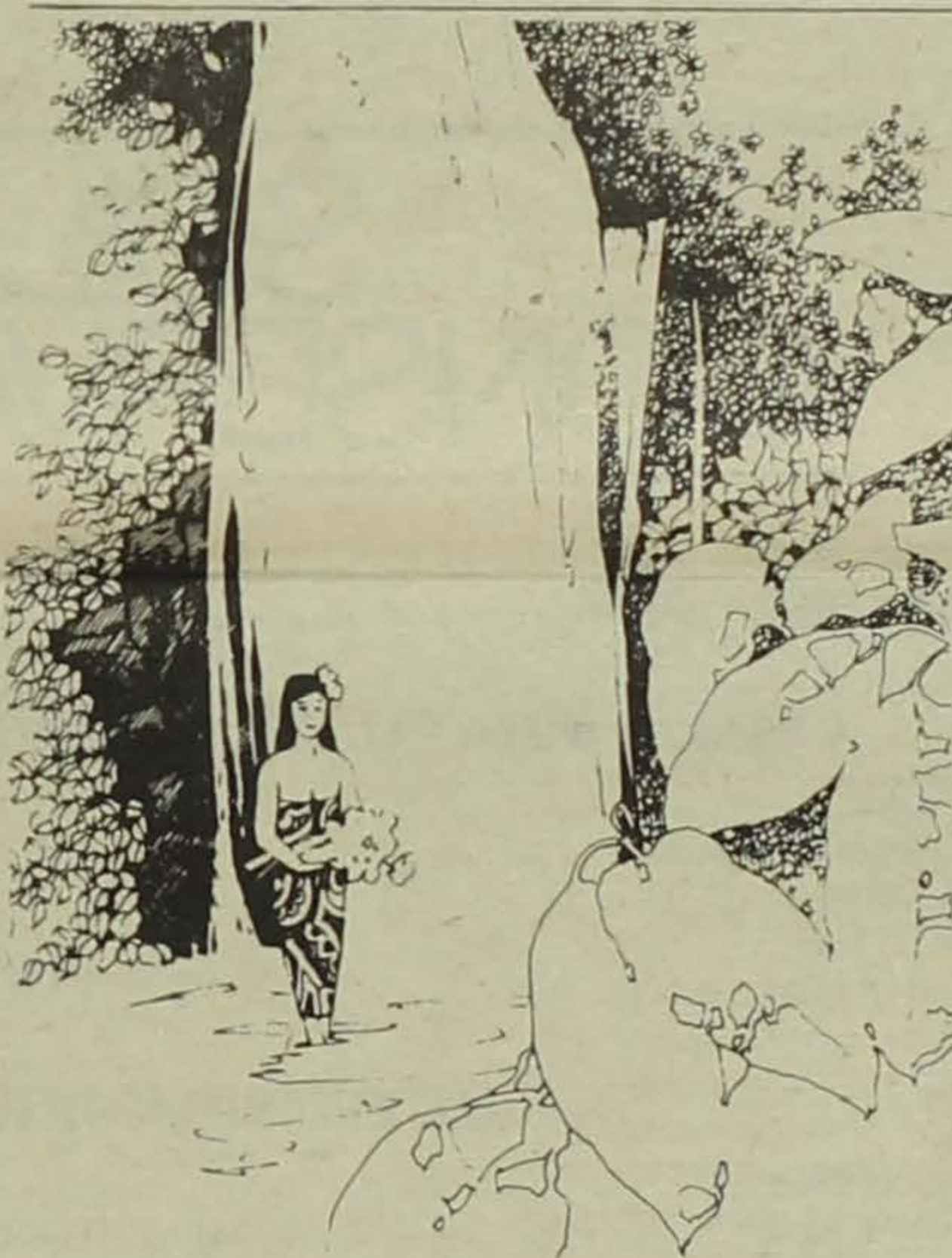
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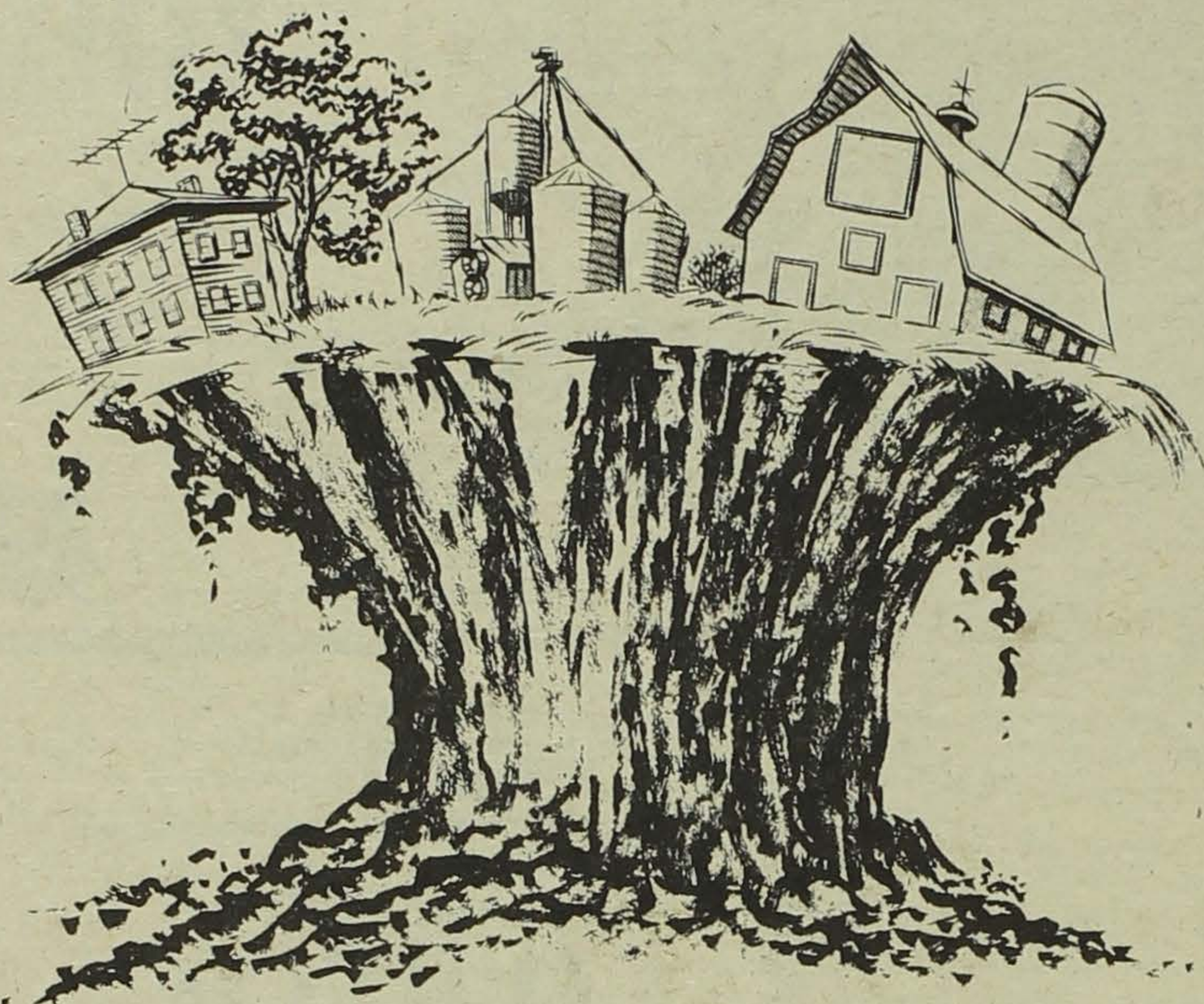
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Commissioners are front row, left to right: Max Miller, Tom Magill, George Hosfelt, Wendell Pellett; back row, Gill Wehrman, Gary Wolfe, G.M. Baier and Bill Fudge.

We, the Cass County Soil Conservation District Commissioners listed below, as well as many others in the area, are committed to the cause of Soil and Water Conservation in Cass County. A valuable natural resource - the soil and water - must be protected if this goal be realized. We thank all who have helped us to achieve this goal.

COMMISSIONERS

JANUARY

Held organizational meeting - G.M. Baier elected chairman and Max Miller co-chairman.

Held a public hearing on land disturbing activities.

Sponsored a no-till seminar with the Soil Conservation Service and the Extension Service. Alan Ehley from Hartford, Wisconsin, SCS soil conservationist began duties at the Atlantic Field Office.

FEBRUARY

Supplemental allocation of cost-share funds received and approvals were made for spring construction.

MARCH

Regional meeting for commissioners held at Walnut.

Prepared and served sausage and pancake dinner for contractors.

Troublesome Creek Watershed meeting held at Audubon.

APRIL

Held awards banquet for 5th grade poster contest winners and 6th grade conservation workbook winners, their families and teachers.

Cash awards were given to all 5th grade winners and trophies to 6th grade winners.

Voted to finance 1/2 the cost of teachers wanting to attend a conservation workshop at Springbrook Park, Guthrie Center.

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Supplied soil stewardship materials to the churches of the county.

Held 4 no-till field days. Co-operating farmers on whose farms the field days were held were Clair Acker, William Fudge, Don McCunn and Delbert Westphalen.

AL REPORT



Soil Conservation Service office staff is front row, left to right: Bill Willis, Carolyn Wilson, Elmer Ouderkirk; back row, Gene Eyberg, Duane Ortgies and Al Ehley.

Commissioners, wish to express our thanks to all the sponsors for their fine cooperation over the years in helping to advance Cass County. We feel a great responsibility in conserving our most precious resource - our land - for future generations and only with the help of everyone can we hope to advance in this great enterprise.

COMMISSIONERS ACTIVITIES 1981

JUNE

Received and acted upon a soil loss complaint.

JULY

Received allocation of state funds for conservation practices and approved cost-share applications.

AUGUST

Sponsored an outdoor conservation tillage display at the Cass County Fair.
Also sponsored an indoor education exhibit.

SEPTEMBER

Allowed funding to help sponsor a soil judging contest for FFA chapters in Southwest Iowa.
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NOVEMBER

Commissioner, Max Miller was named as region 5 outstanding District Commissioner.
Calendars were printed using the winning conservation posters submitted by 5th grade students in Cass County.

DECEMBER

5% spotcheck of conservation practices.
Several commissioners attended the annual conference held in Des Moines Nov. 30-Dec. 1.

ACCOMPLISHMENTS

New District Cooperators	No.	24
Landowners Requesting Assistance	No.	264
Technical Services Provided	No.	843
Landowners Applying a Practice	No.	131
New Conservation Plans	Ac.	3,190
Conservation Plan Revisions	Ac.	240
Ponds	No.	3
Grade Stab. Structures	No.	4
Critical Area Treatment	Ac.	27
Terraces	Ft.	174,200
Grassed Waterways	Ac.	5
Contour Stripcropping	Ac.	519
Tile Drainage	Ft.	70,005
Wildlife Habitat Developed	Ac.	104
Cropland Adequately Protected	Ac.	1,035
Cropland Benefitted by App. of Cons. Practice	Ac.	3,782
Farmstead and Feedlot Windbreaks	Ac.	6
Conservation Tillage	Ac.	3,023
Contouring	Ac.	519

EXPENDITURE OF FUNDS

Provided by the State for July 1980 - June 1981

1-M Budget

Allocation	\$1,900.00	
Supplemental Allocation	545.51	
Commissioner mileage		\$1,972.65
Office Supplies and expenses		464.05
Printing		8.81
Total		\$2,445.51

2-M Budget

Allocation	\$11,977.00	
Salaries, FICA, IPERS		\$10,784.24
Life, health & disability ins.		663.63
Travel		5.00
Released		524.13
Total		\$11,977.00

3-M Budget

78-79 Allocation	\$66,838.58	
Cost-share warrants paid		\$66,838.58
79-80 Allocation	\$74,713.80	
Cost-share warrants paid		\$70,963.80
Work started but not complete		3,750.00
Total		\$74,713.80
80-81 Allocation	\$81,730.49	
Cost-share warrants paid		\$79,990.49
Work started but not complete		1,740.00
Total		\$81,730.49
81-82 Allocation	\$91,434.00	
Cost-share warrants paid		\$56,263.51
Work started but not complete		18,661.50
Unobligated balance		16,508.99
Total		\$91,434.00

SPONSORS

Houghton State Bank, Cumberland
Atlantic State Bank
Heritage Federal Savings & Loan
Griswold State Bank
Agricultural Production Credit Association
Federal Land Bank of Harlan-Atlantic
Branch Office
First Whitney Bank & Trust
Anita State Bank
Farmers Savings Bank of Massena
Union State Bank, Bridgewater and Greenfield

'81 ANNUAL REPORT



Commissioners are front row, left to right: Max Miller, Tom Magill, George Hosfelt, Wendell Pellett; back row, Gilbert Wehrman, Gary Wolfe, G.M. Baier and Bill Fudge.



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We, the Cass County Soil Conservation District Commissioners, wish to express our thanks to all the sponsors listed 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 resource - the soil and water - for future generations and only with the help of everyone can this goal be realized. We thank all who have helped us to advance in this great enterprise.

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Total

Houghton State
Atlantic State
Heritage Federal
Griswold State
Agricultural Pro
Federal Land B
Branch Office
First Whitney B
Anita State Ba
Farmers Saving
Union State Ba



servati?"

ATION

CT PERSONNEL

District Clerk

NSERVICE (SCS)

District Conservationist
Soil Conservationist
Soil Conservationist
Conservation Technician
Conservation Technician

VICE

County Extension Director
Extension Home Economist
Ext. 4-H and Youth Leader
Office Assistant
Office Assistant

LIZATION

VICE ASCS)

County Executive Director
Feed Grain, Compliance
ACP and Price Support
Administrative

ITTE

Richard Follmann

RATIO (FmHA)

County Supervisor
County Office Assistant
County Office Clerk
Em. Loan Supervisor
District Director
Asst. District Director
Co. Supervisor at Large
District Loan Assistant
District Office Clerk

RANCE

Representative in Charge of Office
Assistant Representative

The Salt Cellar: A Weekend Alternative



Enjoying a game of pool at the Salt Cellar are, from the left: Jon Pedersen of Exira, Kevin Rutherford of Elk Horn, Sharmie Stevenson of

Atlantic, Jeff Wilkerson of Exira and Mike Hennick of Exira.

By Larry Peterson
N-T Staff Writer

Each Saturday night in Atlantic, while other teens spend their time driving up and down the drag, seeking some sort of excitement, other persons of high school age and adults are content with an alternative to that scene.

The Salt Cellar, made up of rooms below W&S Appliance, Second and Chestnut, is a weekend oasis for young people to combine recreation, entertainment and Christian ministry with others desiring the same.

Cindi Metzger laughs when she says some people mistake it for a tavern when they see the sign outside. She laughs because it is the farthest thing

from that. It is a sanctuary for young people to see professional performers, enjoy games and study the Bible.

Test Of Time

It has withstood the test of time. While other "coffee houses" have succumbed to economics or lack of interest, the Salt Cellar carries on with more support than ever in the eighth year of the idea.

Indeed, it was just an idea back in the early 1970s. The Now Disciples presented its first musical, "Celebration of Hope," in 1973. The production involved about 35 young persons and adults. It was termed a success, so the second musical, "Love," was started very quickly. Since then, there have been 11 more musicals.

These musicals and the Bible studies that sprang from them were the creations of Cherie Carl and Miss Metzger, music instructors in the Atlantic school system.

Miss Carl witnessed a similar musical in Des Moines and liked what she saw, so an ad was placed for participants to perform "Celebration of Hope."

Carl has moved on to the University of Nebraska Graduate School at Lincoln, Neb., but Metzger continues to coordinate activities at the Salt Cellar.

Bible Studies

The young people involved in those early musicals were interested in gathering together to hold Bible studies. For awhile the group met at the home of Carl and Metzger, but soon "outgrew" that location, and the first "coffee house" was opened.

The Now Disciple Inn was a renovated truck stop on the west edge of Atlantic. Duane Brown helped the group relocate to its present spot at Second and Chestnut, which became the Salt Cellar.

There is enough area inside for a recreation room with ping pong tables, a pool table, a Foos Ball table, a sunken room called "The Pit" for Bible studies,

counseling room, an office, storage rooms and a large room with a stage for the Saturday night programs and musical rehearsals. Up to 200 people can attend a concert in that room.

50-125 Attend

Metzger estimates that between 50 and 125 persons are present each Saturday night. Bible studies are held on Monday evenings.

Hal and Judy Stevenson became involved when their son, Mark, was a member of the first gospel teams. They are both board members. Other members of the board are Mike Waters of Omaha, Miss Metzger, Eileen Johnson, Gary Wolfe, Carol Knight and Norm Aunan.

A corporation was formed, Now Disciples Inc., which is tax-exempt and non-profit. As a traveling group of gospel singers, the Now Disciples have performed in six states and present two concerts a year at the Salt Cellar — on New Year's Eve and in August.

Private donations and free-will offerings are the only sources of revenue for the operation of the Salt Cellar. Quality performers now seek the Salt Cellar as a place to appear for entertainment and ministry, and usually do so for only a free-will offering.

Talent

Metzger said it is especially exciting when a local performer does a program, but adds that professional recording artists have also shared their talent. Damascus, a popular Harlan-based group, is known for "getting started at the cellar."

Organizers trying to get similar meeting places off the ground in other communities have contacted people from the Salt Cellar for advice.

"We're one of the longest-running coffee houses of this kind, people ask us how we got started and how to keep going," Metzger said.

As many young people from surrounding towns attend activities at the Salt Cellar as local teens. Metzger sees no indications of faltering interest, and praises the efforts of donors, their help makes it possible to carry on, she said.

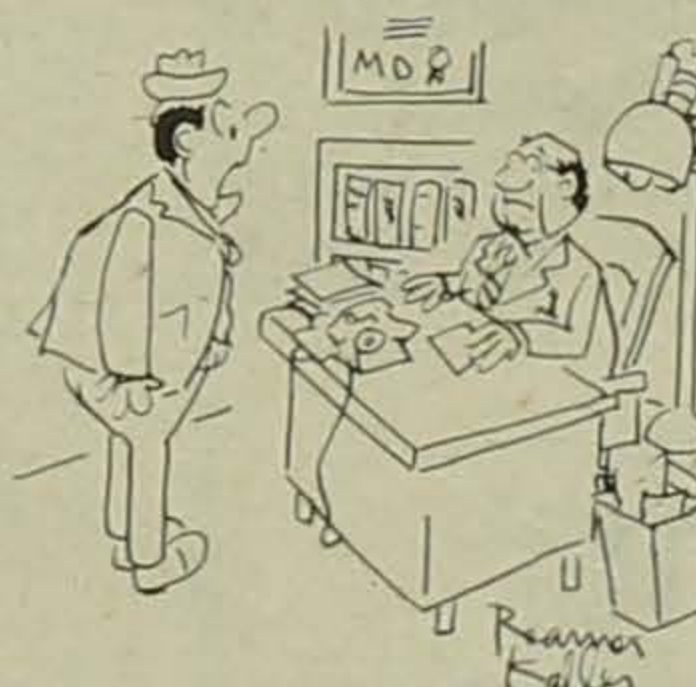
Spirit

A blurb on one of the original Salt Cellar printed programs describes the spirit and unity of those who share in its activities. It reads:

"We praise the Lord for how He is using us to bring the gospel to so many people. With your constant prayers and financial support, we feel confident that the Lord will continue to build the body of Christ and many ministries of the "Now Disciples."

The shortest valid will in the world is "Vse zene," the Czech expression for "All to wife." This will was written and dated January 19, 1967, by Herr Karl Tausch of Langen, Hesse, Germany. The shortest will in English law was one written by Thron V. Dickens in 1906. It consisted of three words also, "All for mother." It was contested, but ruled valid.

LAFF - A - DAY



"You've given me so many iron tablets, Doc, they wouldn't let me through the gate at the airport!"

Farm Monthly Book News

By Grace Rasmussen
Of Manilla

First, to begin the new year, I must inform Farm Monthly readers that according to the public television interview, the Curt Systma book I mentioned will be out this spring, rather than December. Curt's sensitivity and wit, plus Frank Miller's perceptive illustrations, should be worth the price and the wait.

Next, in observance of our Rose Bowl activities, I want to review a captivating little volume, "An Album of Roses." Hurry and look for it in your book stores for it is out of print, Viking Press says.

The compact publication holds many facts and festivities concerning roses. It is dedicated to everyone everywhere who loves roses. Phoebe Phillip and Nancy Dunham have compiled a pot-pourri of lore, history and information plus growing instructions, needlework designs and even recipes, which will charm anyone who has ever been charmed by a rose. For \$5.95, it contains a wealth of pleasant reading on the world of roses.

Iowa Map

Although this is a book news column, you might find a four-color historical map of Iowa interesting. Norma McCauley and Kathleen Newell have created this artistic educational map that pinpoints the first train robbery in the West, the world's smallest church, provides the journey of the Mormons and also John Brown's Underground Railroad. It is 24x33-inches and sells for \$5, plus \$1 for postage. The address to write is YWCA, 619 Sixth Street, Sioux City, Iowa 51101.

Whether you were raised in Iowa, Nebraska or some other midwestern state, the book, "We Have All Gone Away," should appeal to you. Curtis Harnick is an Iowa author and he tells of the gentle harmonies of a summer day on an Iowa farm and brings back times of small towns near Sioux City for you to savor once more. Iowa State University Press publishes this for \$6.95.

Boxed sets of books for children are popular this year. There is one, "The Best Stories for Girls," chosen especially for girls age 9 and up that shares their laughter, tears and dreams. Surprisingly, reasonable at \$3.95.

Peanuts Books

There are two Peanuts characters in sets. "A Charlie Brown Collection" and "Peanuts Gang Library," with three titles in each box at \$5.95 per set. Judy Blume has a set of her much read writing. Five books for \$7.50. These are all listed in the Dalton Bookseller, along with one that is getting hard to find. The illustrator poet Joan Walsh Angland has five little charmers in a set for \$8.95. These are fine gifts for all ages.

I almost neglected to mention an important feature of "An Album of Roses." It is illustrated in a most engaging fashion; complete with a dainty design for each page number by Julia Morland, who is a fabric designer and only 20 years old!

The Jainism religion in India does not believe in killing any living thing, even a bug. Orthodox Jains will not ride in cars lest the tires kill insects. They do not even wear shoes because they may step on bugs that they would have avoided in their bare feet.

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Set Liability For Soil Erosion Due To Poor Tillage Practices

By James Van Ginkel

We all know that if a person drives a motor vehicle in a negligent manner (excessive speed or go through stop sign) and if that negligent driving causes injury to another the driver is liable in dollars for that injury or property damage.

However, we have not been thinking in terms of applying "negligent farming practices" in this same way.

The Iowa Supreme Court made it quite clear in a recent decision that a non-owner of the land who uses poor farming practices that result in excessive erosion would be held liable for damages to that soil.

The case arose in Clayton County and the main issue involved was the ownership of a 285-acre farm, both parties claimed ownership. The circumstances of how the ownership question came about aren't important for our purposes here. One of the parties (the defendant) did have possession of the farm and farmed it in 1975, 1976 and 1977. But, as the question of ownership turned out this party was not the owner.

Land Damaged

The second party (plaintiff) in his suit claiming ownership of the land also claimed that the defendant had damaged the land by farming practices that caused excessive erosion and should be liable for those damages.

The Iowa Supreme Court unanimously agreed that such an action for damages is permissible in Iowa but, the majority ruled that the owner of the land (plaintiff) did not submit adequate competent evidence of the injury to the soil to allow him damages.

Most of the facts about the soil erosion are set forth in Chief Justice Ward Reynoldson's lengthy dissenting opinion which dealt almost exclusively with the damages to the land.

Hilly Farm

The defendant farmed the land in 1975, 1976 and 1977. This was a "hilly" farm. One witness referred to the "extreme steepness of the side hills". Nonetheless, the defendant converted pasture to row crop and fall plowed the soil with a moldboard plow to a depth of six-seven inches for three consecutive years. In 1976 and 1977 the defendant planted the total tillable acres to corn with the rows running up and down the hills making no provisions for grassed waterways.

A United States Agricultural conservationist assigned to Clayton County, testified that the average soil loss for the years 1975, 1976 and 1977 was 63 tons per acre per year. This loss, in his opinion, could be replaced in about 50 years if the land were withheld from cultivation and placed in good permanent pasture.

He also testified the maximum soil loss limitation established for Clayton County by the commissioners of the Clayton County Soil Conservation District was five tons per acre per year.

Hill Cultivation

In his dissenting opinion Justice Reynoldson stated, "straight up-and-down-hill cultivation and fall-plowing cannot be classified as conservation practices and, therefore, should not be found to be 'acceptable' by the finder of the fact when the issue is establishing damages to hilly farm land in Iowa and the physical injury to the land is well established".

He also quoted from earlier Iowa cases as follows: "There is an implied covenant that even a tenant, who has an estate in the land, must farm the premises in a husbandman-like manner."

Also, "according to our common law, a tenant is required to cultivate the farm according to the course of good husbandry and must return the premises in the same general condition in which they were at the time of the letting, subject to such general deterioration as is caused by a reasonable use and lapse of time".

Husbandman-Like Manner

One significant aspect of the erosion issue in this case is that on hilly ground such farming practices as moldboard plowing, fall-plowing, planting row crops in rows up and down the hills that results in excessive erosion will not be acceptable as farming in a husbandman-like manner.

The farm lease in most common use in Iowa is probably the one prepared by the Iowa State Bar Association and that lease contains this provision, "tenant covenants to farm said premises in a good and husbandman-like manner; and, consistent therewith, and with the terms of this lease, to get the best crop production the nature of the soil and the season will permit".

If, the farming practices enumerated above by Justice Reynoldson are not "farming in a husbandman-like manner" and excessive soil erosion results then obviously the tenant is going to be liable for those damages to the land. Of course, one way for the tenant to avoid any such liability would be to have the landlord agree as to what crops would be planted where and what specific farming practices would be utilized on each parcel of land.

That is, whether the land would be plowed in the spring or fall and with a moldboard plow, or some other method.

Justice Reynoldson spent considerable time in his opinion discussing how damages to the land could be proved.

Education

This could be called educating lawyers for future litigation in this area.

Justice Reynoldson's home is in Osceola and he has probably seen the effects of soil erosion first-hand and on many occasions. By taking the time to write his lengthy dissenting

opinion he has clearly indicated that he considers soil erosion in this state as a serious problem and of great concern to him.

His views expressed in this opinion should be encouraging to all who are working in the field of conservation and trying to control soil erosion.

Giant Loin-Eye Found In Clarion Barrow

For pork chop lover, the discovery of a 10.55-square inch loin-eye is mouth watering news since such a loin-eye makes a chop over twice the size produced by the average United States market hog.

Despite the fact that particular meat cut records are not kept in the swine industry, the 10.55 square inch loin-eye may very well be a U.S. best. Swine industry observers have said they cannot recall a larger loin-eye.

Phill Thompson of Clarion bred and raised the 240-pound barrow carrying the massive loin-eye. Thompson said the barrow's dame was a Sport-York-Duroc crossbred and the sire was a Farmers Hybrid 565.

John Phillips, manager of George A. Hormel and Companies livestock extension department, reported, "This may be the biggest loin-eye we've ever cut." It was at Hormel's plant in Fort Dodge that the huge loin-eye was discovered during a random, carcass quality sampling project undertaken by Farmers Hybrid Companies Inc.

"To give some perspective," Phillips continued, "the average loin-eye size on 13,000 hogs entered in Hormel's 1980 Best Hog Contest was 5.06 square inches." Phillips also added his vote to those who have never heard of a larger loin-eye.

The outstanding barrow had a dressed carcass weight of 181 pounds which was 32 inches in length. Fat depth covering the tenth rib was recorded at five tenths of an inch. The random sampling program is designed to gather research information.

LAFF - A - DAY



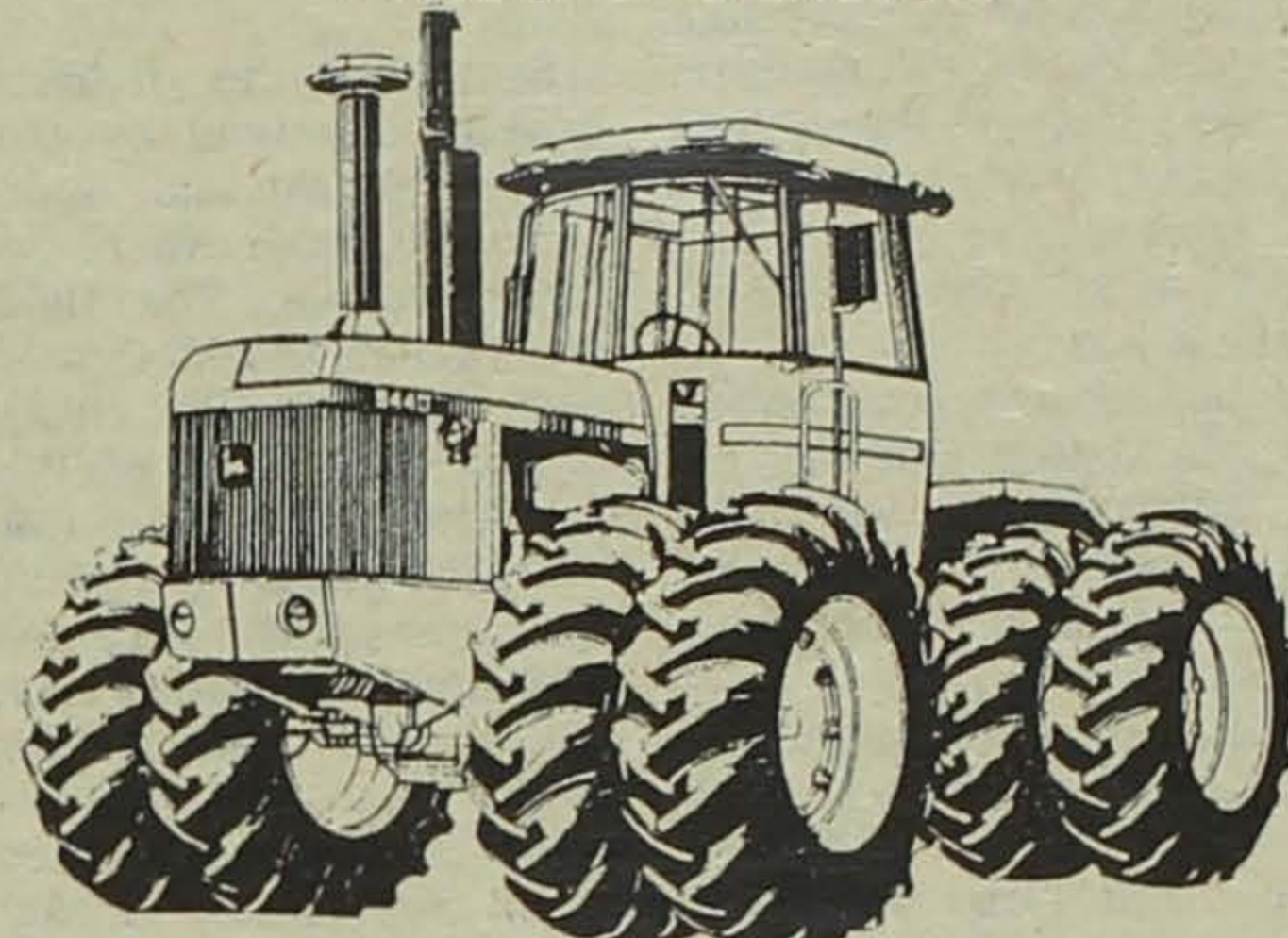
"Darn teenagers! She's been on the smoke-signal fire for two hours!"

A pioneer in the chain store business was the Great Atlantic and Pacific Tea Co. Its first store opened in 1859, and by 1876 it had 67 grocery stores that offered charge accounts and delivery service. After

1912, all the stores were converted to cash only and no delivery, and new stores were opened at the rate of one every three days. They eventually reached a total of 15,737 neighborhood stores.



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USED EQUIPMENT

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March 1, 1982

'79 JD 4640, QR, 800 hrs., 20.8x38 duals	\$36,950
'78 JD 4440, PS, 1200 hrs.	\$30,900
'74 JD 4030, cab, heater, air, QR trans., 18.4x34 radials like new	\$15,950
IH 1066 turbo, cab, heater, air, sharp	\$13,950
IH 1086 with cab, heater, air, 18.4x38, new TA	\$19,500

PLANTERS

JD 7000 4R, Hiniker, mon.	\$6,195
JD 70 folding tool bar with 8 No. 80 units	\$5,150
Abbott 8R folding tool bar with 8 JD No. 80 units	\$3,395
JD 18 circle hitch	\$395
IH 400 cyclo 4 Row	\$1,595
Schultz springtooth for IH	\$850
Midwest springtooth, IH-JD	\$695

USED DISKS & PLOWS

Bush Hog 19'11"	\$5,500
JD 230 22'9"	\$7,995
JD 230 25'7"	\$5,950
IH 475 14'	\$3,195
MF 620 18'	\$2,195
Brady 1000 14' 3 pt. chisel with gauge wheel	\$1,495
JD F 1455-14 plow	\$1,395

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Corn Yields High In Demonstrations Soil Loss Costs Farmers, Urban Dwellers, Future Generations

By Bill Willis
Of The Cass County
Soil Conservation District

It is entirely possible to produce more than 100-bushel corn with no-till. The no-till demonstrations conducted in Cass County in 1981 produced no less than 106 bushels per acre and as high as 126 bushels.

The district commissioners and the Soil Conservation Service staff were determined to prove that it is entirely possible to get good yields with no-till.

We were hearing that weeds would take over, that bugs would eat the crop, that yields would be awful, and that no-till was just a joke.

All the reports from other areas didn't agree with what we were hearing, so we tried no-till with four farmers and found out that the objections just weren't true.

Yields were determined by using the Iowa Master Corn Growers Contest procedure to insure that an accurate measurement was taken. The following information summarizes the yields:

Landowner	Type of Residue	Yield per acre
Delbert Westphalen	Alfalfa	111.38
Bill Fudge	Alf.-Orchard	114.51
Bill Fudge	Cornstalks	115.63
Clair Acker	Soybeans	121.13
Clair Acker	Cornstalks	119.01
Don McCunn	Cornstalks	126.07

Weed control on all the farms was rated from excellent to fair. The control of weeds depended entirely on the amount of weed pressure in each individual field.

Some of the fields were heavily damaged by the hail storms a year ago, and these were the fields where we had some trouble. The fields on Westphalen and McCunn farms were exceptionally clean, and these fields received little, if any, storm damage in 1980.

I think this simply points out that weed pressure in a field is a problem that has to be solved no matter what type of tillage is used.

No-till has been called the "new revolution in agriculture," referring heavily to the discontinued use of the moldboard plow. Our experience in

1981 with no-till proves that we definitely can get along without the time, expense, and erosion caused by the plow.

If we are willing to expand as much effort to make no-till work, as we have conventional tillage all these years, no-till can become the accepted method of crop production.

Tips For Having Wildlife On Farms

By Alan Ehley

Soil Conservation Service

Nothing could be more relaxing after a long harvest season, than to go out hunting on your own farm and bag a dinner everytime. Your farm could provide valuable nesting for birds and important habitat for other wildlife game with just a few, simple, management practices. Little things that make a big difference to the wildlife. Here's just a few ideas:

— Delay the mowing of field borders and small grass areas until July 15, or later, to allow the young of ground nesting birds to leave their nests. Cattle grazing is also very destructive to wildlife nesting.

— If you can set aside a small area for wildlife, try to establish a diversity of ground cover using shrubs, bushes, grasses and forbs. Native prairie grasses such as switch grass, or Indian grass, need little, if any, maintenance.

— Cutting a small open area into a dense woodlot encourages grass growth and provides a diversity of ground cover. Stacking the cut trees and bushes into a pile will create shelter spaces for a variety of wildlife. The small opening would only need to be a few tenths of an acre in size.

— Contour farming reduces soil erosion and controls water movement towards farm ponds and natural watering areas.

— When using herbicides and insecticides, closely follow the application instructions. Pesticides entering the wildlife food system can do a lot of damage.

— Windbreaks can provide excellent food and cover for wildlife when a variety of trees are used.

If you're interested in wildlife conservation, visit the Soil Conservation Service office in Atlantic, for a complete farm conservation plan.

By Bill Willis
Soil Conservation Service

Soil erosion is costing you money! It costs the landowner dearly, it costs the taxpayer substantially, and it costs future generations the most. Expressed in dollars and cents, the annual loss from erosion can make conservation practices appear cheap.

Assume a land value of \$1,500 per acre of Marshall soil on 10 percent slope farmed to corn and soybeans. Different farming practices will greatly affect annual soil loss:

Farming Method	Soil Loss on Tons Per Acre
Up and downhill	51
Contoured	31
Terraced	15
Contoured and no-till	11
Terraced and no-till	5

The valuable part of a farm is the upper eight inches of topsoil. Based on a fact that an inch of topsoil weighs about 150 tons, the valuable topsoil weighs 1,200 tons.

At a price of \$1,500 per acre, each ton of soil is worth \$1.25. Using this figure, the cost of soil erosion for each farming method is:

Farming Method	Erosion Cost Per Acre
Up and downhill	\$53.75
Contoured	38.75
Terraced	18.75
Contoured and no-till	13.75
Terraced and no-till	6.25

When all the topsoil is gone, yields will be reduced even with the addition of more and more fertilizer. Tillage costs will also increase since more power is required to work subsoil than topsoil. Based on 1,200 tons of available topsoil, the number of years necessary to deplete the topsoil is:

Farming Method	Topsoil Will Last
Up and downhill	24 years
Contoured	39 years
Terraced	80 years
Contoured and no-till	109 years
Terraced and no-till	240 years

The costs of erosion do not account for the associated losses due to erosion. The figures do not include fertilizer lost, herbicides, insecticides, seed or organic matter carried away with the soil. The losses do not include extra wear on machinery caused by bouncing over rills and washouts in the field.

Taxpayers, even in town, notice the costs of erosion, too! Tax dollars are used to clean out the road ditches where sediment accumulates as a result of erosion. This cost alone amounts to over \$40,000 a year, coming directly out of the secondary road budget.

Erosion costs everyone money even those who haven't been born yet. Inheriting a farm that has lost 50 tons per acre per year might not be worth the

time. Excessive soil losses today will mean less food production tomorrow, and future generations will be depending on the same land for their food supply.

Prevention of soil loss can be cheap. Contouring costs nothing. Strip cropping costs nothing. Conversion to no-till can be relatively inexpensive. Cost-share agencies can pay 50 percent of the cost of terraces. The old adage still applies — an ounce of prevention is worth a pound of cure.

Conservation Work In Cass

The Agricultural Stabilization and Conservation Service (ASCS), an agency of the United States Department of Agriculture, administers the Agricultural Conservation Program.

Each year the county program development group which consists of the Cass County ASC Committee, county Extension agent, a representative of the Soil Conservation Service, the Soil Conservation District, the Farmers Home Administration and the Forest Service meets.

This group is responsible for making program recommendations for consideration by the state and national program development groups and assists the Cass County Agricultural Stabilization and Conservation Committee in developing the county program.

ACP is a continuous program, subject to future appropriations. However, for accounting and producer payment limitations purposes the program year is from Oct. 1 to Sept. 30.

In the 1981 fiscal year a total of \$94,387 in federal cost share funds were paid to eligible Cass County farmers under the annual ACP Program, the Turkey Creek Watershed Special Project and long term agreement.

Of this amount 50 percent went for terrace systems, 22 percent for permanent vegetative cover establishment, eight percent for sod waterways, six percent for sediment retention erosion or water control structures, five percent for water impoundment reservoirs, four percent for permanent vegetative cover improvement, four percent for establishing windbreaks and one percent for strip cropping systems.

Farmers who receive ACP funds are responsible for sharing a portion of the cost and maintaining the practice for the required practice lifespan.

Applications for cost share are accepted at anytime. Practices started before receiving county committee approval will be ineligible for cost share.

GRAIN REPORT

Stocks of soybeans in all positions Jan. 1 up seven percent, was the largest on record since January 1947. Corn stocks increased 11 percent from last year.

Stocks of corn at 1.53 billion bushels was up 11 percent from the 1.38 billion bushels on hand Jan. 1, 1981. Seventy-three percent of all corn stocks were

stored on the farm.

Soybean stocks at 317 million bushels was a record and seven percent above the previous record of a year earlier of 295 million bushels. Fifty-five percent of the soybean stocks were stored on the farm.

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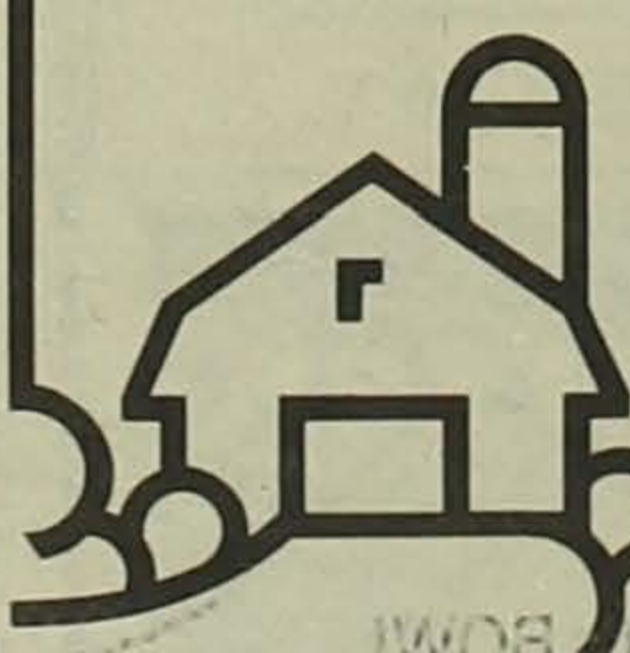
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Explain Value Of No-Till Farming

By William Fudge
District Commissioner

In the fall of 1980, a group of Cass County farmers toured the farm of Ernest Behn at Boone. Behn has planted corn and beans by the no-till method for 10 years. His records show that his crops were gaining in yield each year with the same comparable soil moisture.

After the trip to Boone, the Cass County Soil Conservation District commissioners and SCS staff decided to ask several, local farmers to try no-till. Four farmers accepted this idea and were willing to permit no-till field day demonstrations on their farm. They were Delbert Westphalen, Clair Acker, Don McCunn, and myself.



Bill Fudge

Don McCunn had started with no-till in 1980, and his demonstration was the second year of no-till on the same field. He is convinced enough of the potential of no-till that he plans to use the same system in 1982.

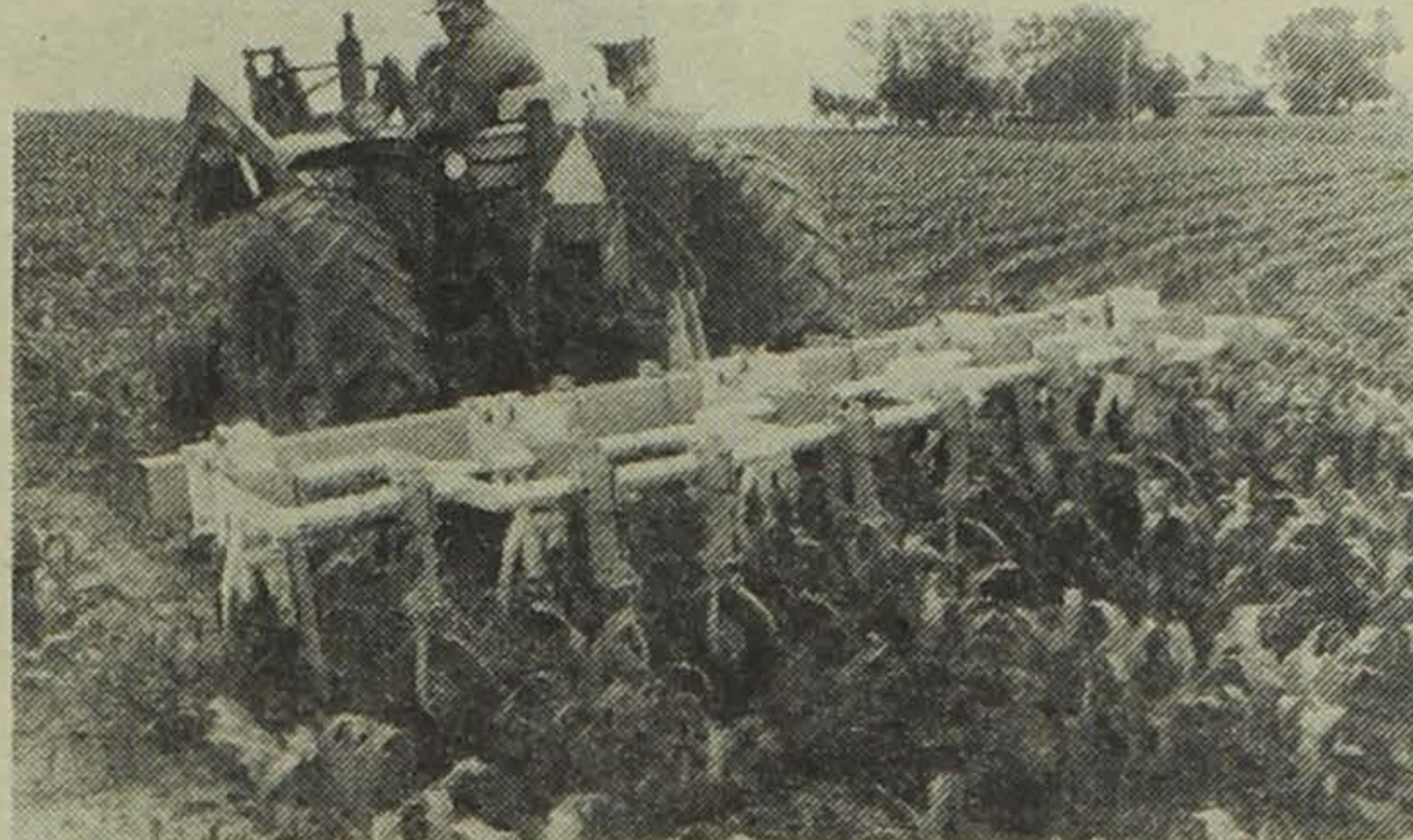
Learning Experience

Speaking from my own observation, my first try at no-till was a learning experience. Both of the fields I tried were heavily damaged by hail in 1980, resulting in a serious weed problem.

I tried no-till corn on one field that was corn in 1980. The other field was in hay (alfalfa-orchard grass) the year before.

Weeds were a problem in the no-till and we found out that orchard grass is very stubborn to kill.

We also had a cutworm problem, but that wasn't because of no-till. In spite of the problems, the corn made more



Bill Fudge cultivating no-till corn planted in cornstalks. The crop yielded 115.63 bushels per acre.



This was the field on the Don McCunn farm where no-till planting was made in cornstalks. The crop yielded 126.07 bushels per acre.

than 100 bushels per acre, and I'm satisfied with the yield.

There are some things that can be changed to improve the yields. A planter marker that leaves a good mark is needed to avoid the wide and narrow rows. Those narrow rows can't be combined very well and this cuts yield.

No-till corn in sod needs to be cultivated for aeration of the soil. We waited until the corn was knee-high to cultivate and this was too long and it probably hurt the yield.

400 Attend

The no-till field days were very successful with more than 400 farmers attending the events. The venture was the

cooperative effort of the machinery dealers, chemical dealers, Extension Service, SCS, seed companies and farmers. We all have a stake in no-till, and we can make it work if we try.

We have to seriously think about the erosion control benefits of no-till, and think back about the tremendous soil loss that took place in 1980. I hope that farmers that are still planting up and downhill will start using conservation practices like contouring, terraces, stripcropping, and no-till.

Several people have asked if I will try no-till again. I do plan to plant a field to no-till corn in 1982.

Golden Hills Agency Covers Eight Counties

By G.M. Baier
District Commissioner

The Golden Hills Resource Conservation and Development Organization is now in operation with a board in each of the eight counties involved and an executive board at the eight-county level.

Meeting every two months to carry on the organization's business, the Golden Hills counties involved are Harrison, Shelby, Cass, Pottawattamie, Mills, Page, Fremont and Montgomery.

The purpose for this organization is to act as the vehicle to bring federal funds, foundation grants and other sources into the area to restore or improve natural resources.

These funds will be used for projects that are not covered by Agricultural Conservation Program funds or by the Iowa cost-sharing program.



G.M. Baier

We are pleased to have Golden Hills RC&D approved by Department of Agriculture for planning and a coordinator has been assigned. He is Richard Bolli and his office is in Oakland. Bolli is from Minnesota, where he served in a similar capacity for seven years.

Ideas for improvement and local support are being gathered now. Anyone in the RC&D area can make suggestions. Some ideas already received are rural water district, improved water supplies and flood control for towns, dehydrated alfalfa plant, more water based recreation, better soil erosion protection for farmland and improved pastures.

Contact the Soil Conservation District Office with proposals.

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Kathy Wilson	243-3703
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Strip Cropping Provides Soil Conservation At No Cost

By Bill Willis
Soil Conservation Service

There are several ways to reduce soil losses without spending a cent. There are conservation practices that can be applied on the land that will cut soil loss by 30-50 percent, that can be applied for the 1982 crop year, and that can be acquired at a zero cost.

Contouring of row crops can reduce soil loss by 30 percent in many cases. The needed flag lines can be staked by Soil Conservation Service personnel, at no charge to the landowner, simply by calling the office and requesting the assistance.

Contouring results in each row acting as a mini-terrace which holds bank rainfall and reduces runoff. Contouring affects only the direction of the rows, and is a drastic improvement over up and downhill farming in cutting erosion rates.

Popular Method

Strip cropping is gaining in popularity among farmers as a no-cost method of erosion control. Alternating, parallel strips of rowcrop and hay is the principle of erosion control that easily cuts soil loss by 50 percent. Coupled with a crop rotation, this practice not only cuts soil loss, but works

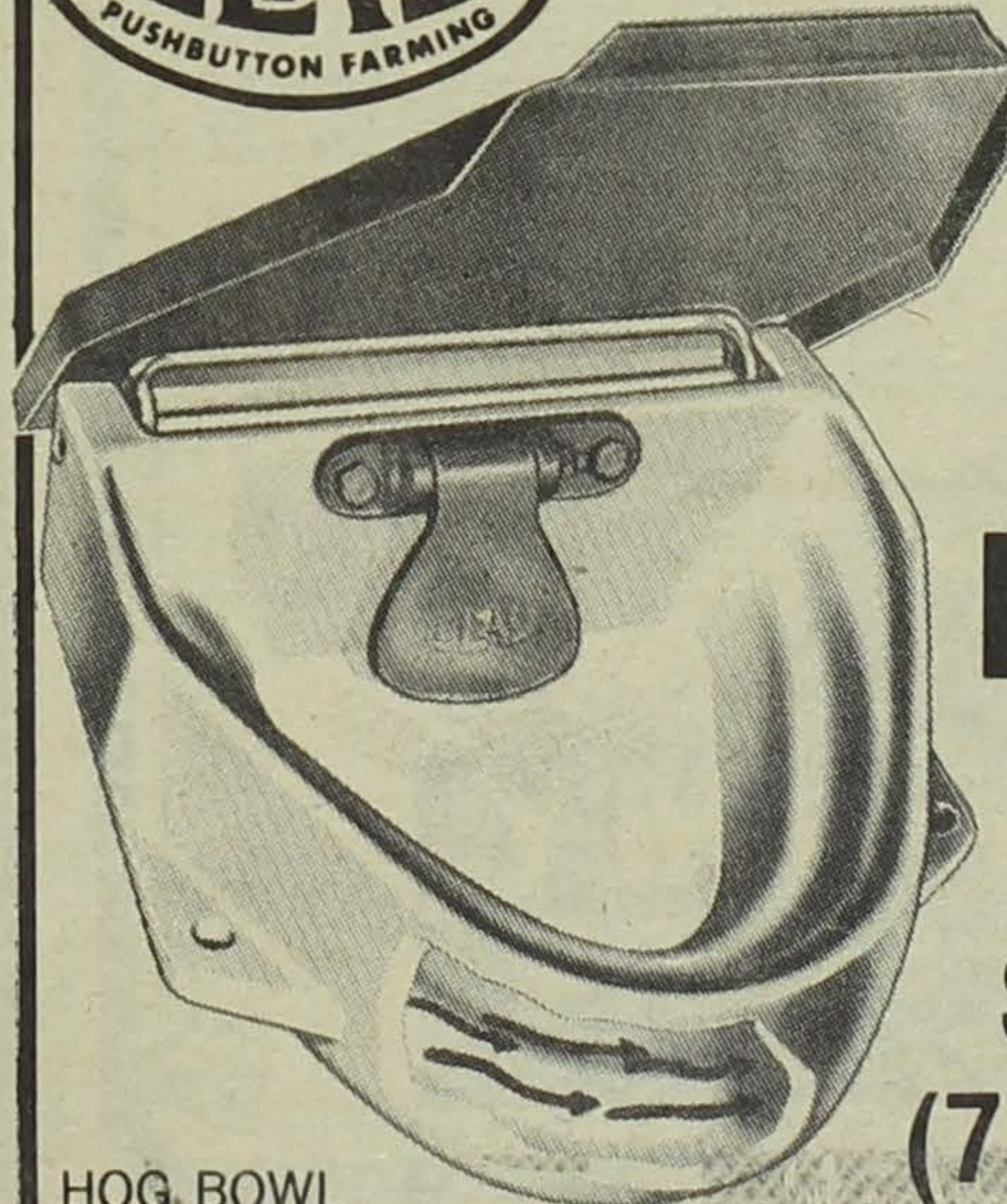
exceptionally well to produce a good rowcrop to forage balance.

Strip cropping is actually a money-maker since Agricultural Stabilization Conservation Service will pay \$6 an acre to get the practice on the ground. This is also \$6 for the whole field benefited and not just the row-crop strips. A 40-acre field that is strip cropped will receive a payment of \$240.

Buffer Strip

A strip of grass across a slope on the contour, sometimes called a buffer strip, in the middle of a row cropped field also helps cut soil loss. The location and layout of a strip is also another free service provided by SCS and the district. The strip can be of any width, but preferably wide enough to fit machinery. The buffer strip interrupts the flow of runoff and slows it down, thereby reducing soil movement. We know the farm economy isn't good and extra cash for erosion control is scarce right now. However, we don't have to abandon all efforts for erosion control and sacrifice a lot of topsoil just because we don't have money for the more expensive, permanent practices like terraces. The time is now to look at the no-cost practices as stop gap measures until the profit picture improves.

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Fragile Soil Condition Is Problem

By Tom Magill
Assistant Commissioner

Iowa farmers are becoming more aware of the fragile condition of our soil. The corn-soybean rotation, that many of us are using, is putting tremendous pressure on attempts to prevent soil erosion.

Each farm operator will be working out their own solution to this problem and there will be different plans for different farms.

There are several ways this could be done, such as tile outlet terraces, minimum till or no-till or a crop rotation using oats and meadow.

One or several of these options could be used. The easiest and least expensive practice, that everyone should use on all their fields, is to stay out of the soybean fields in the fall.

There is much discussion among those who are interested in conserving soil about the damage done by fall tilling

Tom Magill



soybean fields.

The moldboard plow is the worst offender followed by the disk, chisel plows, field cultivators and even the anhydrous applicator.

Anything that is done to the field that buries any of the small amount of soybean residue left in the field will increase soil erosion.

Each dairy cow in new York State represents an investment of \$4,750, including expensive equipment as well as the value of the cow itself.

Resource System Best Answer

By William J. Brune
State Conservationist
USDA Soil
Conservation Service

Conservation tillage systems presently offer one of our best hopes for improved resource management on Iowa cropland. Leaving adequate amounts of crop residue on the soil surface year round reduces sheet and rill erosion by as much as 90 percent.

Conservation tillage alone, however, is not the total solution to erosion problems and reduced fertility of cropland. Under many conditions, conservation tillage must be applied as part of a complete conservation system in combination with terraces, grassed waterways, diversions and other practices.

Plan Ahead

Soil conservation is a little like building a house. You need to plan ahead for all facets of the house before you build. Likewise, you need to plan a total conservation system for your farm.

It's easy to talk yourself into believing that one practice will take care of the soil erosion problems on a farm, but that is seldom true.

For instance, terraces are an excellent soil conservation practice, but on longer or steeper slopes they will not bring soil losses to allowable limits by themselves. The same is true for no-till farming. No-till is an excellent conservation measure, but again on long, steep slopes it may not adequately stop soil erosion. In addition, there is still a good deal of water runoff in a no-till field, and a grassed waterway or some other practice is needed to carry the water safely from a field.

Detailed Study

Soil Conservation Service recommends that farms be looked at field by field, and conservation practices be

For Controlling Soil Erosion



William Brune

chosen that fit the slope and steepness of the land in each field. That's because one practice might control soil erosion in one field, but fall far short of correcting the problem in another field.

An example is no-till. On a slight or moderate slope, no-till on the contour (or at least across slope) will probably reduce sheet erosion to under five tons an acre. Using grassed waterways to carry storm runoff water off the field may complete the resource management system for that field.

A nearby field with longer and steeper slopes might also need terraces to get soil erosion under five tons an acre each year. Or, if the end rows are being planted up and down hill, as is so often the case in Iowa, a grass headland (field border) might be substituted for the corn or bean end rows. Field borders are not widely used in Iowa, but those end rows on steep hills cause a lot of erosion. Forgetting about soil protection on end rows is just like leaving a window open with a furnace going full blast to heat a house.

Rowcrops

Terraces and no-till aren't the only alternatives to controlling erosion on steep land. Many farmers use meadow with rowcrops in a crop rotation system. Some use the crop rotation in contour strips, which adds to soil protection.

Then, too, there are gullies that will continue to grow if they are not stopped with a pond or dam of some sort. Also, on some land, gully and sheet erosion by water are not as much a problem as is wind erosion. Another consideration is that some soils can withstand less soil erosion than others. In northwest Iowa, for instance, some of the soils are only three to four inches deep, with bedrock underneath.

There are so many variables across Iowa, and even on one farm, that the field by field approach to soil protection is necessary.

SCS is actively promoting

no-till statewide because it has tremendous potential for reducing soil erosion, but that shouldn't lead to less emphasis on other practices.

SCS's Duty

It's the job of SCS field personnel to explain all the conservation options to a farmer, as well as to explain all the erosion problems.

A farmer may not choose to use a complete resource management system for his farm, just as he might not want a window in a house where the builder proposed. But he should know what the various parts of the system are and how they fit in with his operation.

SCS, through local soil conservation districts in Iowa, offers on-the-farm soil conservation planning assistance to farmers. The service is free. Contact the Soil Conservation Service office in your county for more information.

Soil Programs

The Cass County Soil Conservation District has several slide-tape sets available for showing to individuals and groups.

"In the past year or two, educational materials have been produced on a variety of subjects," reports G.M. Baier, district chairman.

"We recently inventoried the audio-visual material available in our office, and we welcome every opportunity to bring these to any group in the county," Baier adds.

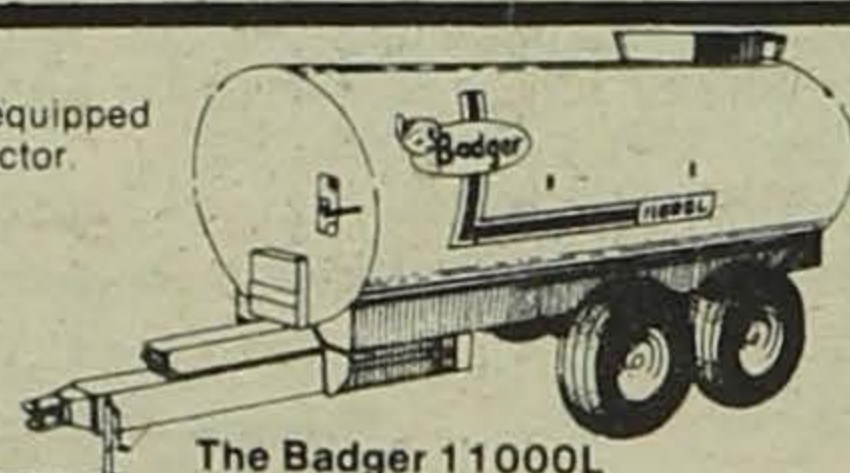
The slide-tape sets on hand are "1980 Soil Losses in Cass County," "Growing Corn and Beans No-till in Crop Residues," "Growing Corn No-till in Sod," "Erosion in Iowa" and "Tips on No-till From Iowa Farmers."

"We have access to other general and specialized media presentations and can obtain them with a few days notice," said Baier. "We have a responsibility for educational work, along with the Extension Service, and we are willing to make presentation to any interested group."

Contact the SCS office in Atlantic to obtain programs, pamphlets, and other information.

Slide-tape presentations are being developed on the 1981 no-till demonstrations, featuring step-by-step procedures used in crop production. These will be available for showing in February.

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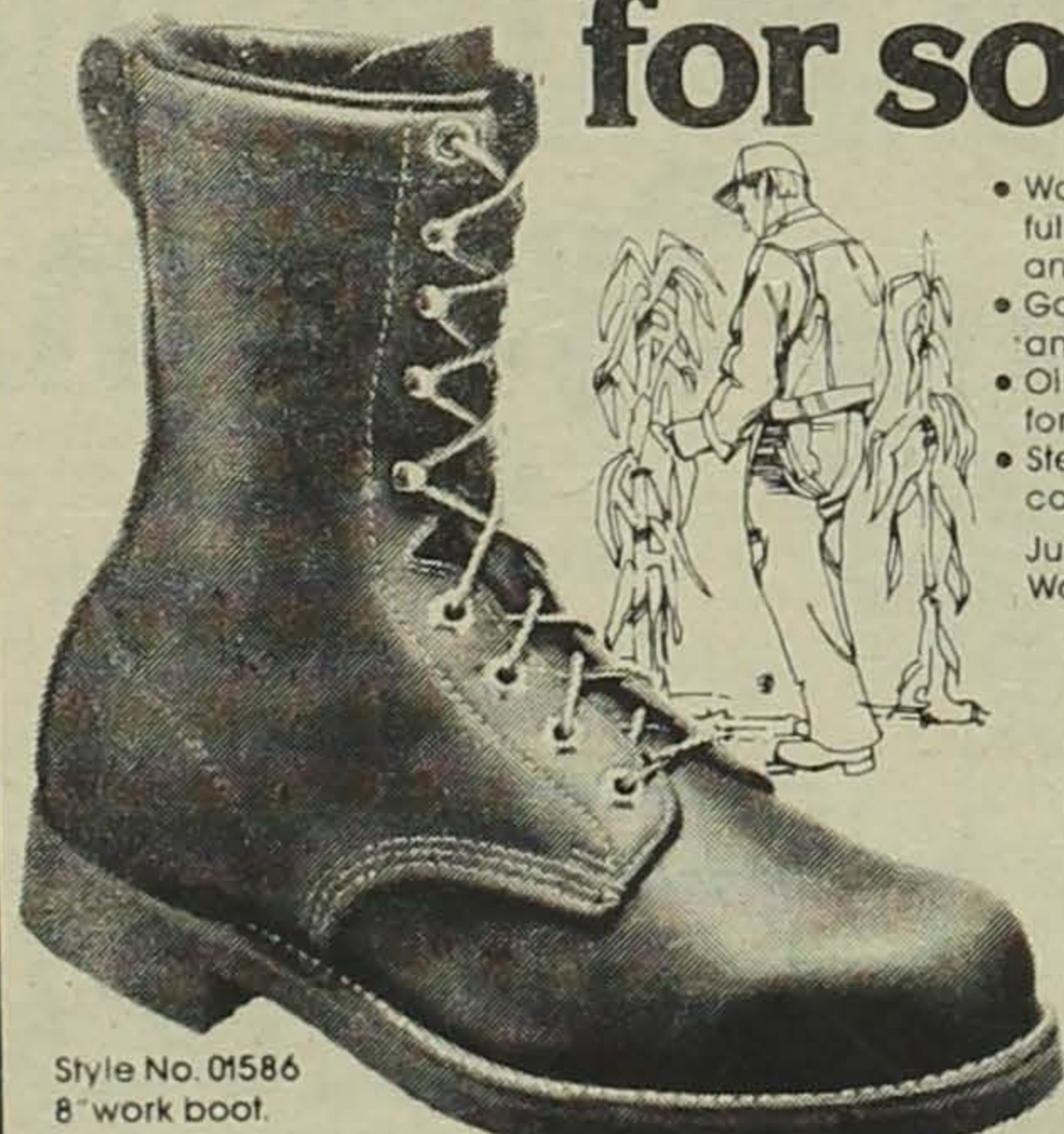
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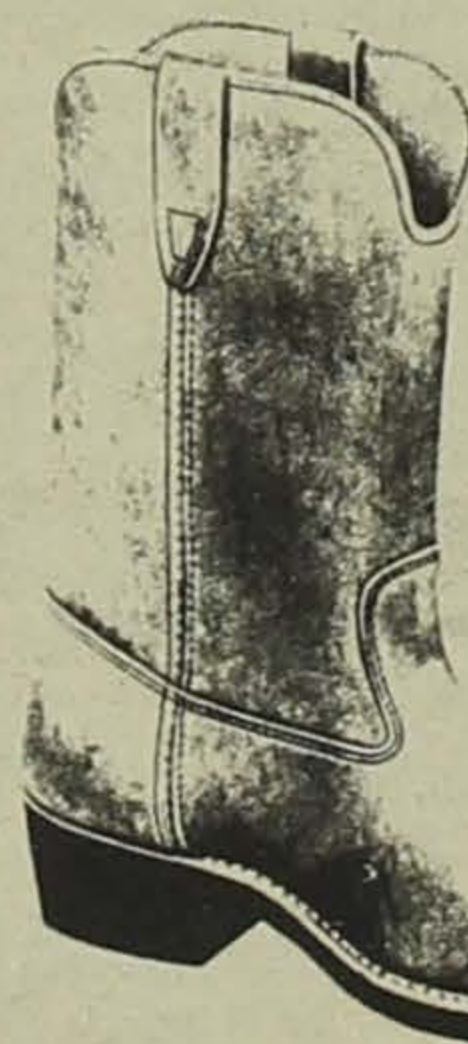
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WATCHES

LOS ANGELES (AP) — More than 4,000 counterfeit Cartier watches were destroyed by U.S. Customs officials recently at the Federal Building parking lot here.

As a 12-ton roller smashed the bogus copies of the Cartier Vermeil timepiece into scraps of metal, plastic and broken glass, Alain Perrin, chairman of Les Must de Cartier, smiled and said, "I'm happy to have come from Paris to see this. It's kind of a victory."

The public destruction marked the first time counterfeit products have been destroyed by government officials under the provisions of a customs law passed three years ago. Before then, counterfeit products were returned to their point of origin. Producers of many of the high-priced items being counterfeited worldwide lobbied for the amended law allowing for the destruction of the bogus products.

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Keen Interest In Farmstead Windbreaks



A newly-started windbreak on Cass County farm.

By The Cass County Soil Conservation Office

The northern counties in Iowa aren't the only counties in the state that plant farmstead windbreaks, according to R. Elmer Ouderkirk, Jr., soil conservationist at the Cass Soil Conservation Service Office.

Ouderkirk, having spent 10 years working for SCS in northern Iowa, has made two observations since coming to Cass County.

First, although the wind blows hard at times in northern Iowa, it can often blow just as hard in Cass County.

Secondly, farmers in both parts of the state plant windbreaks to protect their homes and farmsteads against wind and blowing and drifting snow and soil.

According to the fiscal year report, 12 farm owners planted approximately six acres of farmstead windbreaks that were cost-shared with Agricultural Conservation Program

funds administered by the Agricultural Stabilization and Conservation Service. At least that many more windbreaks were planted, that did not comply to specification, to receive cost-share assistance.

To be effective, a farmstead windbreak should have at least three rows of evergreen trees or two rows of evergreen and one row of shrubs. At least two different species of trees should be planted to reduce the chance of disease or insects destroying the entire windbreak.

Iowa's prevailing winter winds come from the northwest. Therefore, the windbreak should be located along the north and west sides of the farmstead, at least 120 feet and no more than 400 feet, from the area to be provided maximum protection.

It is generally considered that the most effective zone of protection extends downwind eight times the height of the trees. As an example, a wind-

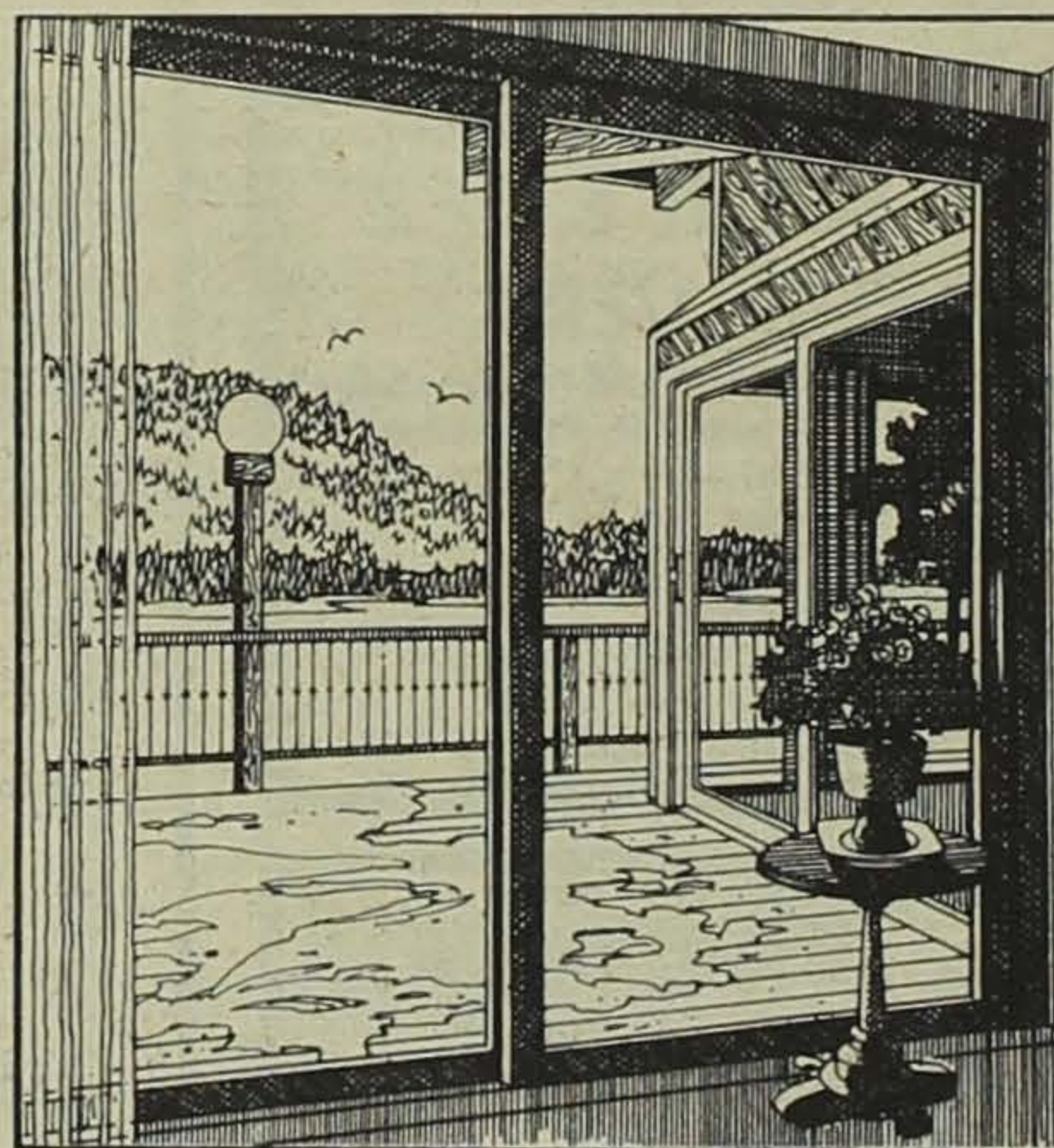
break with trees 40 feet high will reduce wind velocities up to 50 percent for 320 feet.

In an L-shaped windbreak, (north and west side), a good guide to follow is to start planting with the corner tree of each row. Adjacent rows of trees, of the same within-row spacing, will require adjustment in order that trees will alternate.

Spring is the best time to plant windbreak trees. Planting can start just as soon as the frost is out of the ground. In most years the trees can be already planted before any amount of field work has to be started, reports Ouderkirk.

Landowners who plan to plant farmstead windbreaks next spring are encouraged to visit the Soil Conservation Service Office for technical assistance. Plans should be made now to remove old fences or dead trees from the planting site to avoid unnecessary delays in planting next spring.

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Extension Echoes

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

By Mrs. L. Faye Eblen
Extension Home Economist
Snack Portion Of Food Budget
Snacking is a part of the American culture, but it's also a habit that cuts into a family's food budget. A family could save about \$125 per year by changing their snacking habits. For example, a family who purchases one 10-ounce bag of corn chips and a six-pack of cola each week costs them about \$165 over a year. By contrast, a year's worth of popcorn and frozen orange juice concentrate would cost about \$30.

If frozen lemonade concentrate or canned grapefruit juice were used instead of orange juice, the cost would be only about \$5 more. Changing to canned orange juice would add \$10.

These changes would also improve the family's nutritional status. For example, a 12-ounce can of cola contains the equivalent of 18 sugar cubes dissolved in 1½ cups water. It's a high calorie, low nutrient choice. However, orange and grapefruit juices provided vitamin C as well as other important vitamins and minerals.

Neither corn chips nor popcorn are particularly high in vitamins and minerals. But salt intake can be decreased by snacking on lightly salted popcorn rather than purchase, highly salted corn chips.

Beer is another high-calorie, low nutrient snack choice that can cut into a food budget. For example, if two family members each have one can of beer every night after work, that could easily mean a five-pound weight gain for each of them over a year's time if these calories exceed the number needed for weight maintenance. Such a habit also adds about \$120 to the year's grocery bill.

Cookies are another favorite snack item. Most varieties can be made from scratch at home for a fraction of the cost of those purchased from a bakery or pre-packaged at the grocery store. The nutrient value of cookies

varies. Those made with whole grains, such as oatmeal cookies, can provide fiber as well as vitamins and minerals.

Money as well as calories can also be saved by using up to one-third less sugar and shortening than called for in the recipe.

Making these changes will affect the quality of the baked cookies. It has to be a personal decision whether those changes are acceptable. Another option is to simply make the cookies half as large or to only bake them half as often.

The amount of salt also can usually be cut in half without changing the flavor of a baked product.

Dieting? Eat Bread

We've all seen it — the skinny woman who eats the meat and cheese from her sandwich but leaves the bread. Maybe we've even done it ourselves, thinking that the bread was the fattening part we didn't need.

Actually, however the bread may be the least fattening part of a sandwich. One slice of bread has only 55 calories. But to that, we can add:

- 1 teaspoon margarine (34 calories)
- 1 tablespoon mayonnaise (101 calories)
- 1 slice cooked turkey-chicken (83 calories)
- 1 slice cooked beef (164 calories)
- 1 slice cooked ham (246 calories)
- 1 slice Swiss or Cheddar cheese (139 calories)

Nutritionists say we currently get about 18 percent of our total day's calories from wheat products. They recommend that we increase by 40-50 percent the number of calories from sources of complex carbohydrates, such as rice, potatoes, wheat and other grains.

Winter Warning

What's as common as the common cold, but easier to prevent? Food poisoning.

An estimated two million cases of Salmonella poisoning occur in the United States every year — and that's just one kind of food poisoning.

Usually characterized as a simple stomach flu, food poisoning can be avoided by general cleanliness.

For example, besides washing hands before cooking, make sure countertops are clean.

After eating, put leftovers in the refrigerator as soon as possible. Don't let them cool on the counter first.

And when one family member misses a meal, don't try to hold the leftovers warm in the oven. That temperature range between 40 and 140 degrees prompts bacteria to grow even faster.

Serve sharp cheese with the more robust table wines, ports or sherries.

GORILLA

WOODSIDE, Calif. (AP) — Koko is a 10½-year-old lowland gorilla. Since July, 1972, behavioral psychologist Francine Patterson has been teaching her American Sign Language, the gestural language used by the deaf. It is believed to be the longest running attempt yet to teach language to another species.

Koko has a current working vocabulary of about 375 words.

PIANO TUNING JOHN FANCOLLY

243-1896

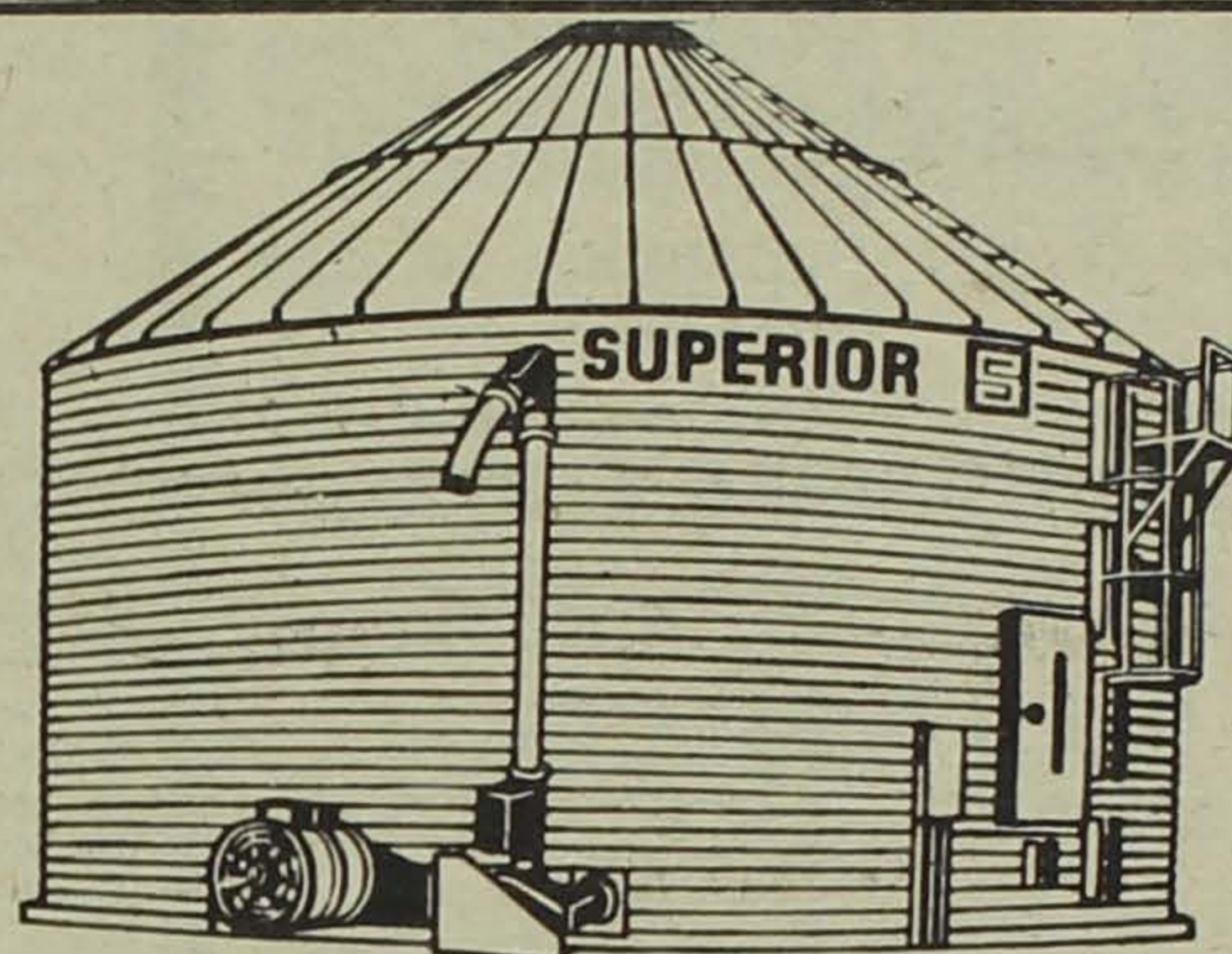
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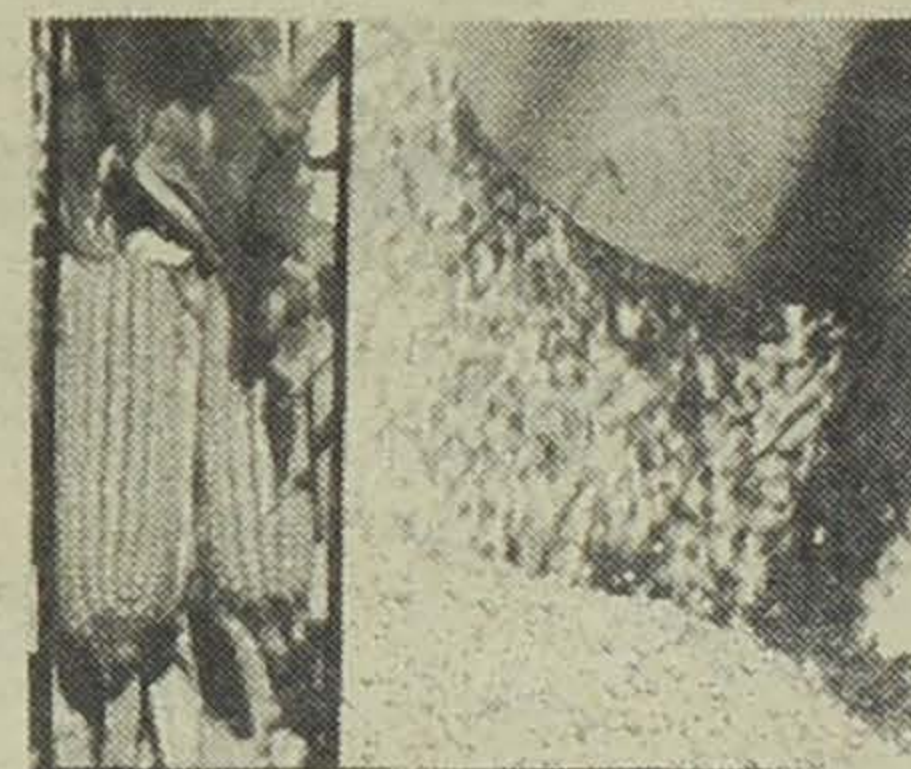
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AC model 200 D, cab & heater	\$8,500.
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Watersheds Given Priority In County Conservation

By R. Elmer Ouderkerk Jr.
Soil Conservationist

In fiscal 1981, landowners with farms in Turkey Creek Watershed were given top priority for developing conservation plans with the Cass County Soil Conservation District.

In addition, the district assisted the Agricultural Stabilization and Conservation Service County Committee in promoting land treatment acceleration on four sites in the watershed.

The ASCS County Committee made special funds available for cost-share assistance.

According to Elaine Martens, executive director of the ASCS Office, as long as conservation application work remains active on these sites, in fiscal year 1982, special funding will not be withdrawn by the ASCS.

In an effort to accelerate application work in Troublesome Creek Watershed, the Cass County Soil Conservation District Commissioners have established conservation planning assistance, priority, for fiscal year 1982.

Landowners in the Turkey Creek and Troublesome Creek Watersheds are encouraged to participate in these accelerated programs.

The Finnish language has more than 4,000 irregular verbs.

(Editor's Note — The following story was written by Daniel LeClair district supervisor of law enforcement for the district office at Lewis and by Eric Sansgaard of Atlantic, conservation officer.)

The enforcement section of the Iowa Conservation Commission renders many services which are a benefit to the residents of Iowa. The conservation officers are usually the people who are most familiar to the rural residents of the county.

Their routine patrol takes them into areas which are not as often frequented by other law enforcement agencies.

They will run into many

Tip of the Hat to 4-H CLUB MEMBERS

"Tip of the Hat" goes to this month's junior leader, Linda Kay Aupperle, daughter of Mr. and Mrs. Ray Aupperle of Massena. Linda, 18, is an eight-year member of the Massena Victorettes 4-H Club.

During Linda's 4-H career, she has carried projects of beef, clothing, creative arts, food and nutrition, poultry, woodworking, music, home improvement, photography and self-determined.

On the local club level, Linda helped with cleaning the Massena Park and has helped younger 4-H members do special projects. She also participated in the 4-H club exchange.

On the county level, Linda participated in the Cass County Fair Queen Contest, the interstate exchange with North Carolina, 4-H band and chorus, has been a member of Youth Council and a junior superintendent at the Cass County Fair.

Linda says, "The main highlight of my 4-H career happened very recently. It was the night I was selected for Cass County Youth Council."

Linda says she enjoys being a junior leader because she likes



Linda Aupperle

helping the younger girls and can pass on a few ideas of her own so they will have a better understanding of things.

Linda feels 4-H is one of the best things that could have happened in her life. It has helped her grow in many ways. She feels it is something that all people should be involved with — no matter what the age, because everyone can grow from it.

Many Services From Conservation Officers

incidents and situations and will be their presence thwart some of the illegal activities other than fish and game oriented crimes which could take place in these areas.

Along with enforcement of fish and game laws which we are best known for providing, the officers also provide an indepth public relations program. Through use of many different forms of media services and personal appearance, conservation officers speak to many groups and individuals educating them in many different fields of conservation as well as explaining the laws and the reasoning behind their existence.

Along this line we also handle the Iowa farm pond program.

Landowners with ponds contact the officer throughout the year asking about fish stocking for their ponds.

After a personal inspection of the pond, by the officer, the landowner and he get together to check that the owners pond meets the criteria set up by the commission. If the pond does, then the officer submits an application for free fish stocking by the state.

Another important aspect we provide is overseeing the safety training program for the area. Firearms, boating and snowmobile safety are extremely important and it is hoped by educating as much of the public as we can, we will greatly reduce the accidents and carelessness which is the normal cause.

Because of our backgrounds and specialized equipment we are routinely called upon to assist other law enforcement agencies in times of disaster, drownings, missing persons, and assist their routine patrol whenever the need arises.

We are a diverse section of the Iowa Conservation Commission who are peace officers of the state and have many other responsibilities, of which only a few have been mentioned.

Most important is the fact that we are a public service and if you feel you have need to talk with a Conservation Officer over an enforcement matter or just for information, please do so. I'm sure they will all do their best to supply the information you need. If either of us can be of assistance, please don't hesitate to call.

BIRTHDAY

TOLEDO, Ohio (AP) — When Robert Rodi, superintendent of operations at Toledo Edison, came to work on his birthday, he had a tough time finding his desk. The room was full of balloons — 300 in all — blown up by his associates and his secretary, Norma Harwell.

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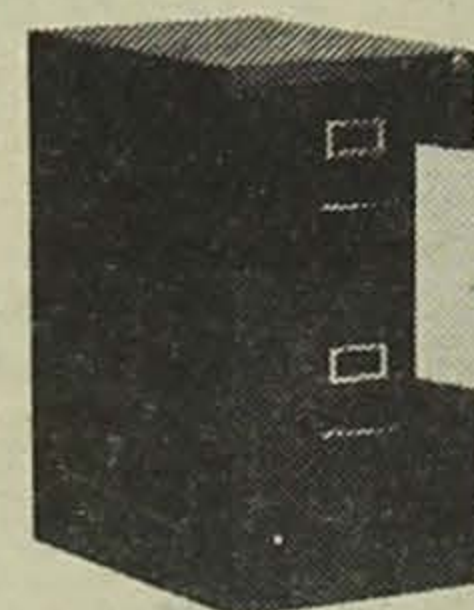
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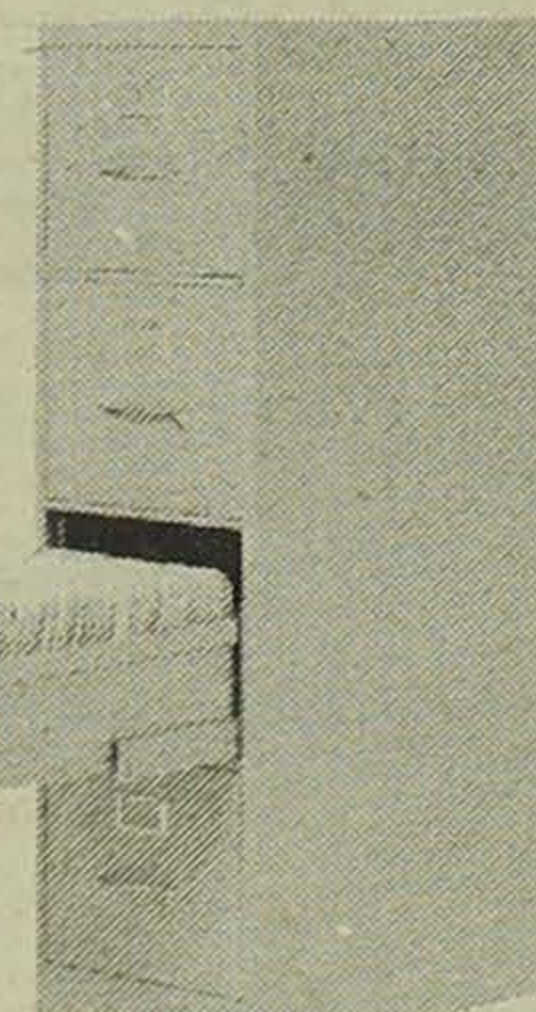
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Soil Conservation Concern Of Farmers, Urban Citizens

By Wendell Pellett
Assistant Commissioner

Soil conservation is a subject that we have heard a great deal about the last few years. I believe that more people are beginning to realize the importance of our soil, not only for the present time, but for future generations.

We have had a soil conservation program, with technical assistance available for 40 years. Over the years, we have many farmers that do everything possible to save the soil and we also have some that farm the same way they did 40 years ago with no apparent concern for saving the soil.

The urban people are getting just as concerned as the rural people about the loss of top soil. There is a law that if a neighbor files a complaint because silt is washing down on his land, the farmer that the complaint is filed against can be required to put soil conservation practices on the land to keep the soil loss down to five ton per acre.

Requirement

It is my opinion that if farmers do not apply soil conservation on a voluntary basis in the near future, there will be legislation on both the state and federal level to require certain soil conservation practices to be applied on the land.

I would hope that we can keep soil conservation on a voluntary basis and I think we will be able to, if those tilling the soil would use good conservation practices.

Obligation

At the present time, the state is spending \$5 million for cost-share money where the farmer furnishes half of the money and the state furnishes the other half. We could use



Wendell Pellett

twice that amount if the money was available on the state level.

I am a firm believer that the

entire public has an obligation in conserving soil. The farmer has the use of the soil for a lifetime, but if the soil is conserved properly, it will produce food for many generations to come.

We are also hearing considerable discussion about land use. We have debated several different plans over the last five years, but have never been able to get enough votes to pass a bill.

We have many different opinions on the subject. Some do not want to do anything at all and others would stop all construction on agricultural land immediately.

This would stop most of the

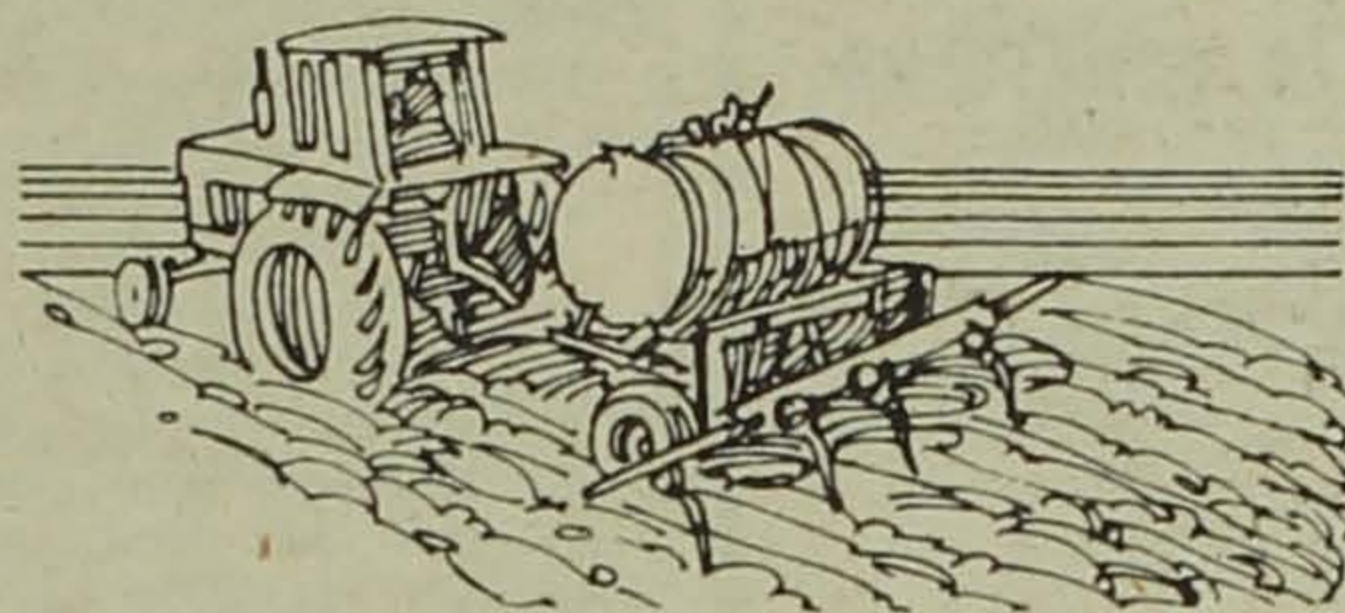
industrial development and stop all new housing development. It is my opinion that we need to keep agricultural land for agriculture purposes, yet, we can not stop all new development in the state.

It is a very complex and difficult decision to make and I am sure that it will come before the legislature again this session.

The average American had a tax burden in 1980 of \$989.

For five years, the San Carlos Apaches and other tribes in California scoured their slopes and hand picked enough seeds to fill a tank car with jojoba oil. The oil was used to supply samples to industries, and so great was the demand that in 1980, the San Carlos tribe received as much as \$3,300 for one barrel of the oil, the yield of a well-tended quarter acre. It is like sperm whale oil but much purer and is used in everything from auto transmissions to airplane engines.

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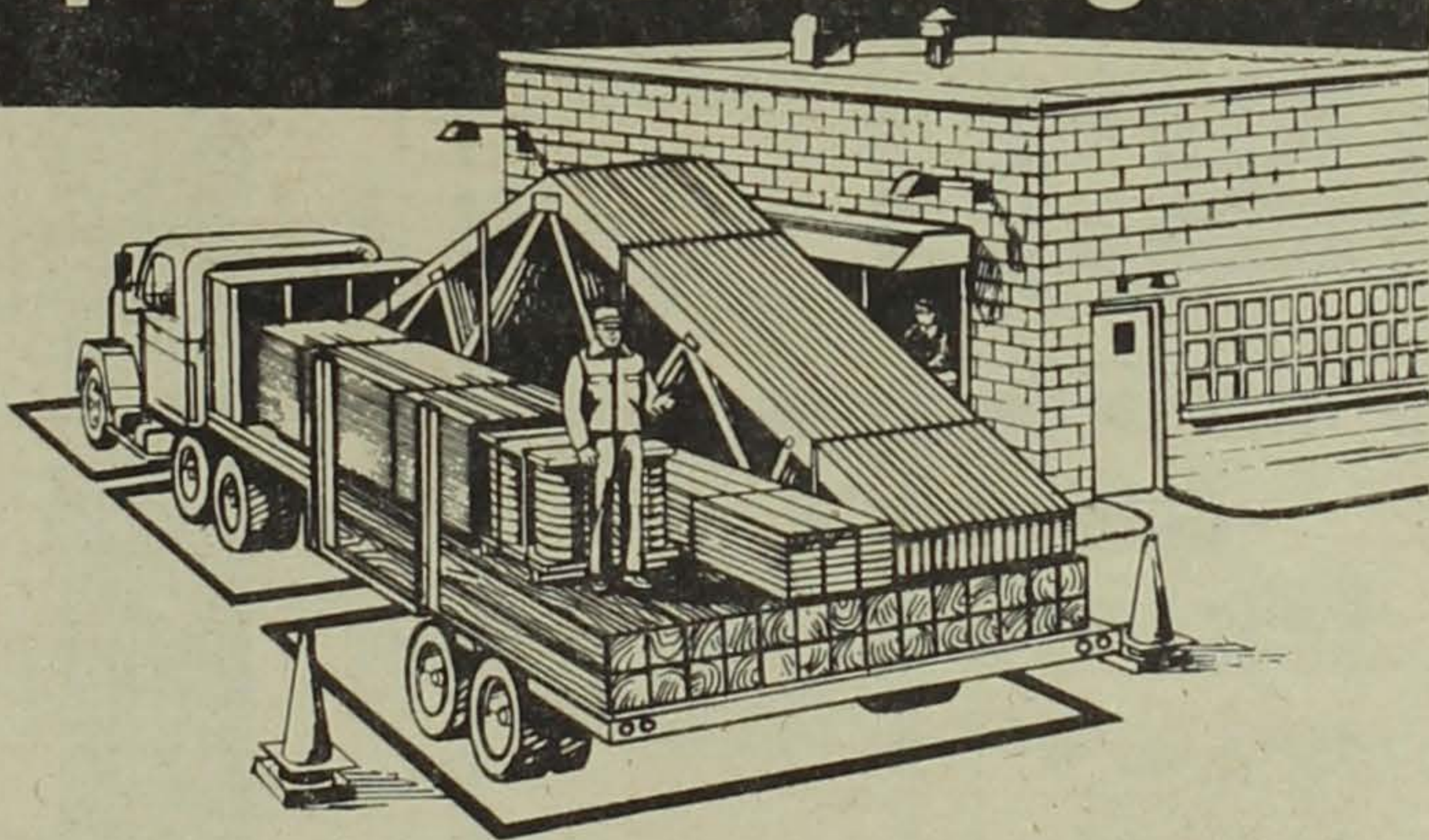
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AG PRICES

The December 1981 index of prices received by Iowa farmers for their crop and livestock products decreased six percent from November to 115.

This was down 18 percent from December 1980. The all-crop index at 100 was down four

percent from November and 29 percent from a year ago.

The December 1981 livestock and livestock products index at 121 was down five percent from November and 14 percent from a year ago.

The December 1981 index of prices received by all United States farmers decreased by

three percent from November to 126. This was 13 percent below the December 1980 index.

Most of the gasoline in Brazil contains 20 percent alcohol, although the government subsidizes at half price the sale of nearly pure alcohol for auto fuel.

Anita Farm Family Follows Conservation Programs



The Dorsey family of Anita, Wilbur and Pearl in the front row and sons, Lyle (left) and Lynn, in the back.

By Alan Ehley
Soil Conservation
Service

Wilbur and Pearl Dorsey, along with their sons, Lynn and Lyle, have been applying conservation practices to their Anita area farm for a long time.

"I haven't done any fall plowing for 20 years," says Wilbur, adding, "if the snow's dirty alongside a field, then soil erosion has taken place."

Wilbur follows a simple philosophy when it comes to topsoil "When it's gone, it's gone and that land will never produce as well."

The Dorseys speak with experience when it comes to losing topsoil. Wilbur and Lyle relate the story:

"Twenty years ago we bought a nice piece of bluegrass pasture north of town for \$160 an acre. We turned around and sold the bluegrass sod off of it for \$150 an acre."

"At the time it seemed like a beautiful deal, but that didn't last long. What we didn't realize was that when we cut off the bluegrass for sod, we had also removed the topsoil, the cream of the land. That land never recovered, and, it turned out to be a bad investment in the long run."

Soil conservation has always been important in their farming practices such as short term row crop on steep slopes, terraces, grassed waterways, and contour alfalfa strips.

Last year was the year for strip cropping. Forty-one acres of long slopes north of Interstate 80 were laced in 90-foot wide stripes of emerald green corn and rich golden oats.

"Wish we'd had an aerial photo of that," says Lynn.

And for 1982, "We have some small patches that we're thinking of going no-till on," says Wilbur. The Dorsey family believes that conserving soil is an important part of farming.

American alligators seldom attack man except in self-defense, but the Nile crocodile is a man-eater. It is reported that this crocodile kills more humans, on the average, than any other wild creature in Africa. One crocodile is recorded as having killed between 40 and 50 people before he was finally shot and killed.

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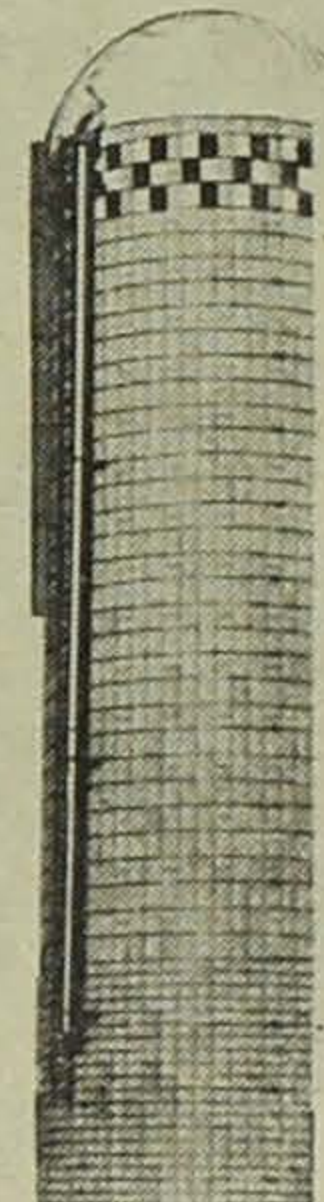
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Switchgrass Provides Good Pasture Land

By Alan Ehley

Soil Conservation Service

Before the appearance of pioneers in this area of Iowa, native prairie grasses dominated the rolling landscape. One of these native prairie grasses is known today as switchgrass. For centuries these prairie grasses provide forage for the grazing wildlife, and today switchgrass can provide a cow-calf operation or dairy herd with valuable pasture in a warm season pasture program.

The popular pasture grasses of the midwest are brome, orchard and bluegrass. These grasses are considered cool season grasses with maximum growth during the spring and early fall.

A pasture of these grasses will support an optimum herd of cows and calves for the spring and fall months, but in the summer months, additional forage will be needed for continued gains. This is where switchgrass can be of use in a complete pasture program.

"Switchgrass will come on in June and attain maximum growth in July and August," says Howard Christenson of rural Wiota. "I have a few acres and I'm expecting to pasture it during the summer months and give my other pasture a rest," he adds.

Howard has also used switchgrass for hay production.

"I cut a 10-acre section of switchgrass and it produced 50 bales of hay at 1,500 pounds apiece," he said.

There are many advantages to seeding in a warm season pasture. In addition to cutting for hay and grazing, a properly established switchgrass pasture is permanent. Switchgrass is a sod forming perennial and continues to fill in bare areas with rhizome growth.

Weeds are effectively controlled with two pounds per acre of atrazine. And finally, establishing a pasture is rather

inexpensive because the Iowa Conservation Commission is cost-sharing on new switchgrass stands on a per acre basis this year.

If a warm season pasture program will fit into a cow-calf or dairy operation visit the Soil Conservation Service office in Atlantic for further information.

Field Borders



By Alan Ehley

Soil Conservation Service

Even in the most accurately contoured fields, extensive erosion will take place where end rows are used on steep slopes. End rows run perpendicular to contoured rows and actually channel runoff water straight up and down the hill.

Even as row crops are rotated on a yearly basis, end rows remain unaltered and valuable top soil is lost. This unchecked flow of runoff will seek the lowest and most direct route to the permanent water outlet, and gullies from erosion will result.

A simple solution to this erosion problem is to replace end rows with field borders on steeper slopes.

Field borders are nothing more than a grass strip along the edge of a field for turning machinery.

This grass strip will prevent erosion and greatly reduce runoff from steeper slopes.

These grass strips could be maintained by periodically mowing and baling for hay, or better yet, left alone for pheasant and other ground nesting birds and a sporting harvest in fall for the dinner table.

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Check the results of these studies from the Walnut Grove Research Farm using pigs 3 to 5 weeks of age. One third of the pigs were fed starter with low milk protein, $\frac{1}{3}$ at a medium level and $\frac{1}{3}$ at a high amount.

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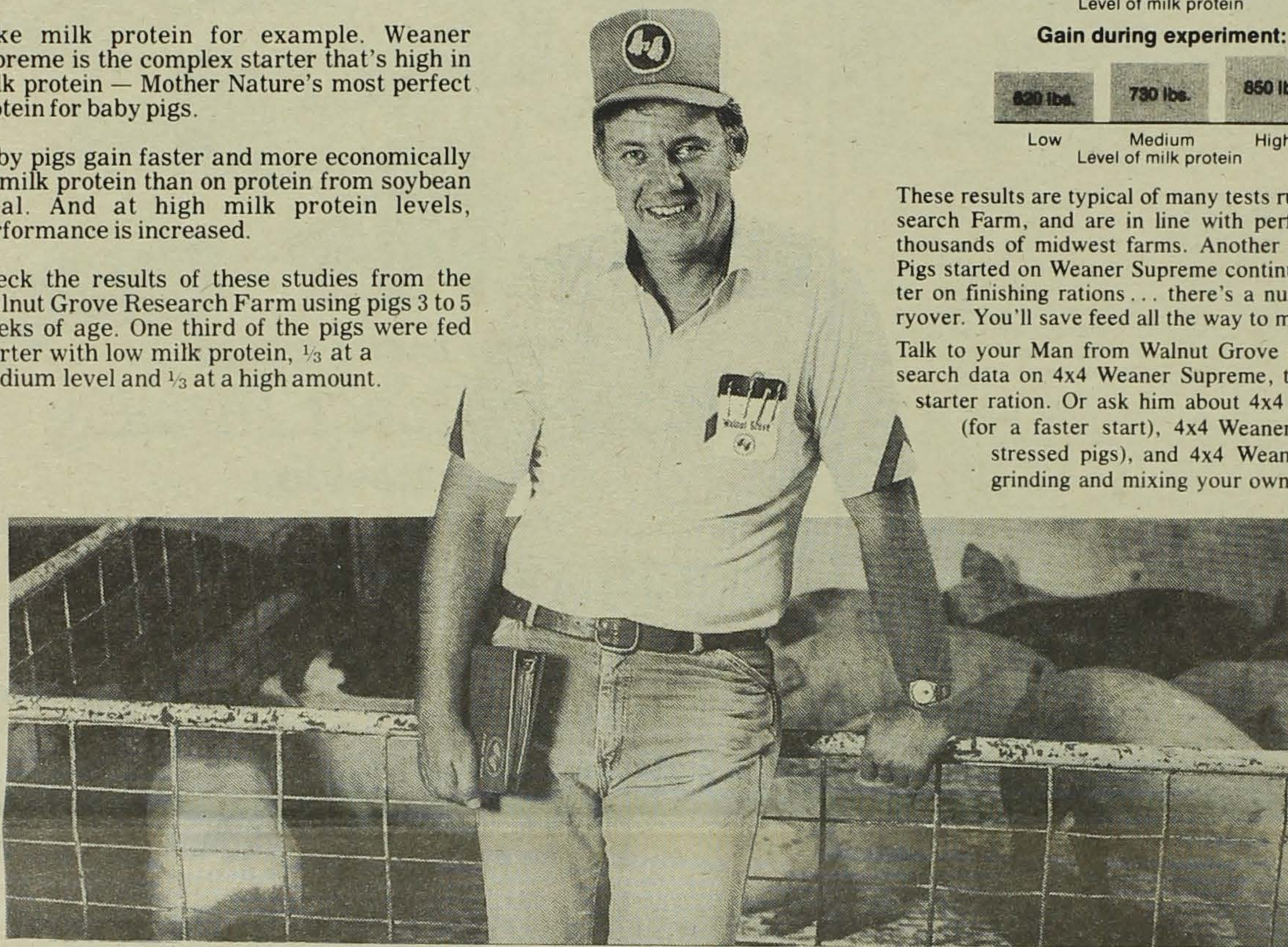
65.4 lbs.	74.6 lbs.	81.3 lbs.
Low	Medium	High
Level of milk protein		

Gain during experiment:

620 lbs.	730 lbs.	850 lbs.
Low	Medium	High
Level of milk protein		

These results are typical of many tests run at our Research Farm, and are in line with performance on thousands of midwest farms. Another proven fact: Pigs started on Weaner Supreme continue to do better on finishing rations... there's a nutritional carryover. You'll save feed all the way to market.

Talk to your Man from Walnut Grove for more research data on 4x4 Weaner Supreme, the complete starter ration. Or ask him about 4x4 Pre-Weaner (for a faster start), 4x4 Weaner Special (for stressed pigs), and 4x4 Weaner Mix (for grinding and mixing your own starter).



YOUR MEN FROM WALNUT GROVE:



Charles
Koppennolle
Atlantic



Malcolm Wissler
Atlantic



Calvin Hoegh
Treynor



Al Steen
Red Oak



Charles Kinen
Atlantic



Bruce Bruck
Irwin



Chuck Sievers
Atlantic



Arling LaMaster
Griswold



Dallas Purdy
Greenfield



Bill Bonar
Council Bluffs



Wayne Huffman
Audubon



Gene Schroeder
Treynor



Marvin
Rasmussen
Kirkman

Your Man From Walnut Grove Sells Results!

4x4[®] Walnut Grove[®]

