

397

101

1984

1984

Forty-second Annual Report

CASS COUNTY SOIL CONSERVATION DISTRICT

Atlantic, Iowa

1984 Annual Report

- 1 Office
- 2 James Gulliford [Department of Soil Conservation]
- 8 Steve Stover [Soil Conservation Service]
- 1 Senator C. W. Hutchins, 902 Prairie, Guthrie Center, IA 50115
- 1 Senator Charles Grassley, US Senate, 135 Hart Senate Building
Washington, DC 20510
- 1 Senator Tom Harkin, 705 Hart Senate Building, Washington, DC 20510
- 1 Congressman James R. Lightfoot, 1609 Longworth Building, Washington, DC 20515
- 1 Regional director: Norman Kading, Casey, IA 50048
- 1 Davis Conservation Library, P.O. Box 776, League City, Texas 77573
- 11 SCDs in the following counties: Monona, Crawford, Carroll, Greene,
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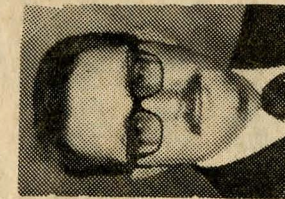
YOUR MEN FROM WALNUT GROVE:



Charles
Koppennolle
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Calvin Hoegh
Treyner



Richard Lehman
Dexter



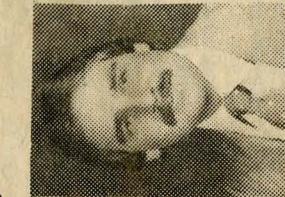
Darwin Larson
Red Oak



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Bruce Bruck
Irwin



Jeff Wepler
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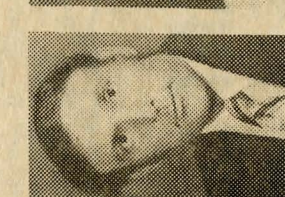
Bill Bonar
Council Bluffs



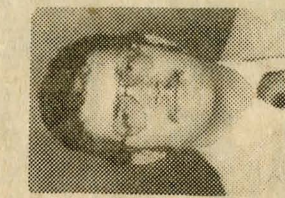
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1984 Annual Report

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ATLANTIC NEWS-TELEGRAPH FARM MONTHLY

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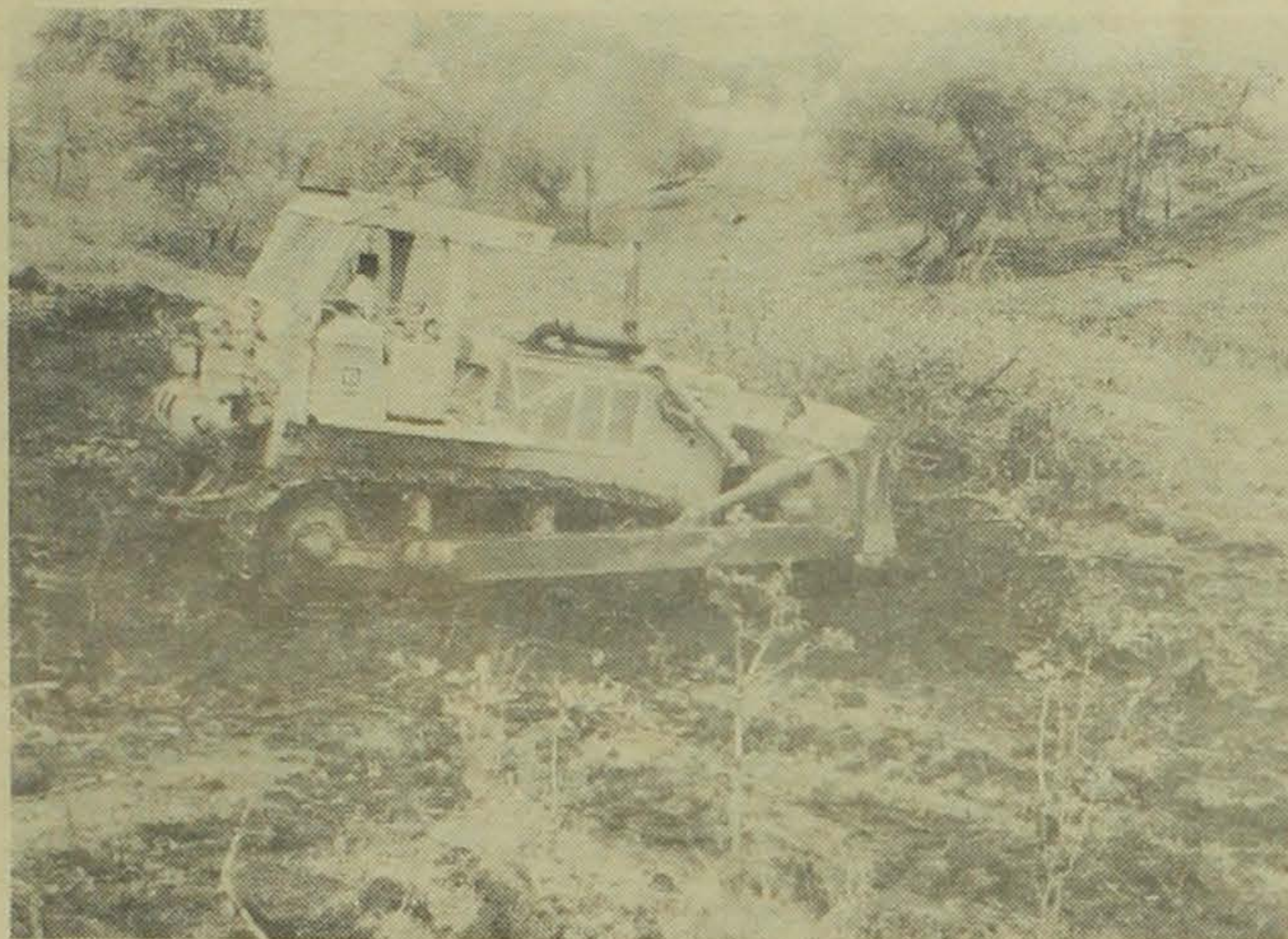
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Vol. 25 — No. 11

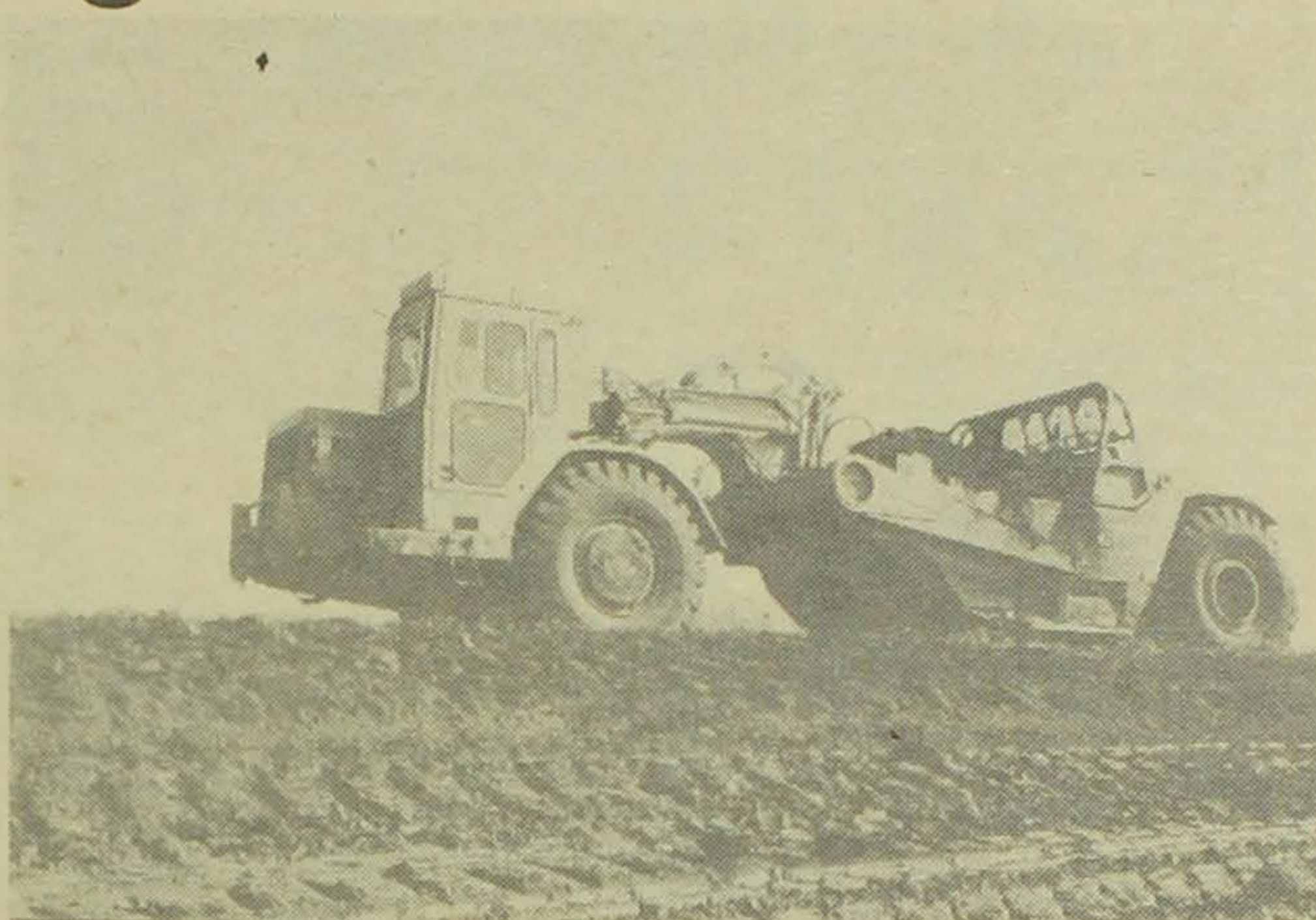
ATLANTIC, IOWA

JANUARY 25, 1985 ISSUE

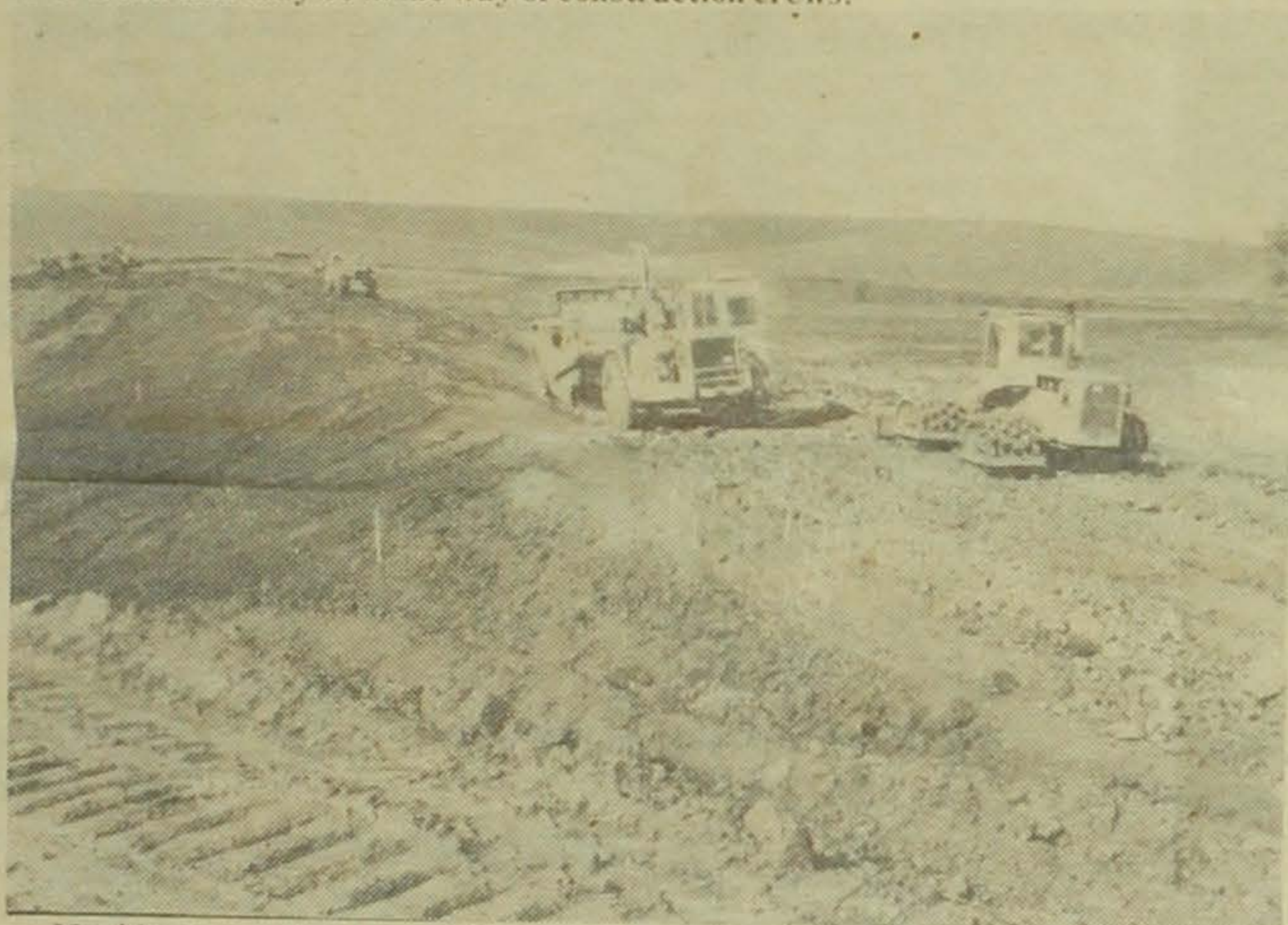
Troublesome Creek Target For Conservation



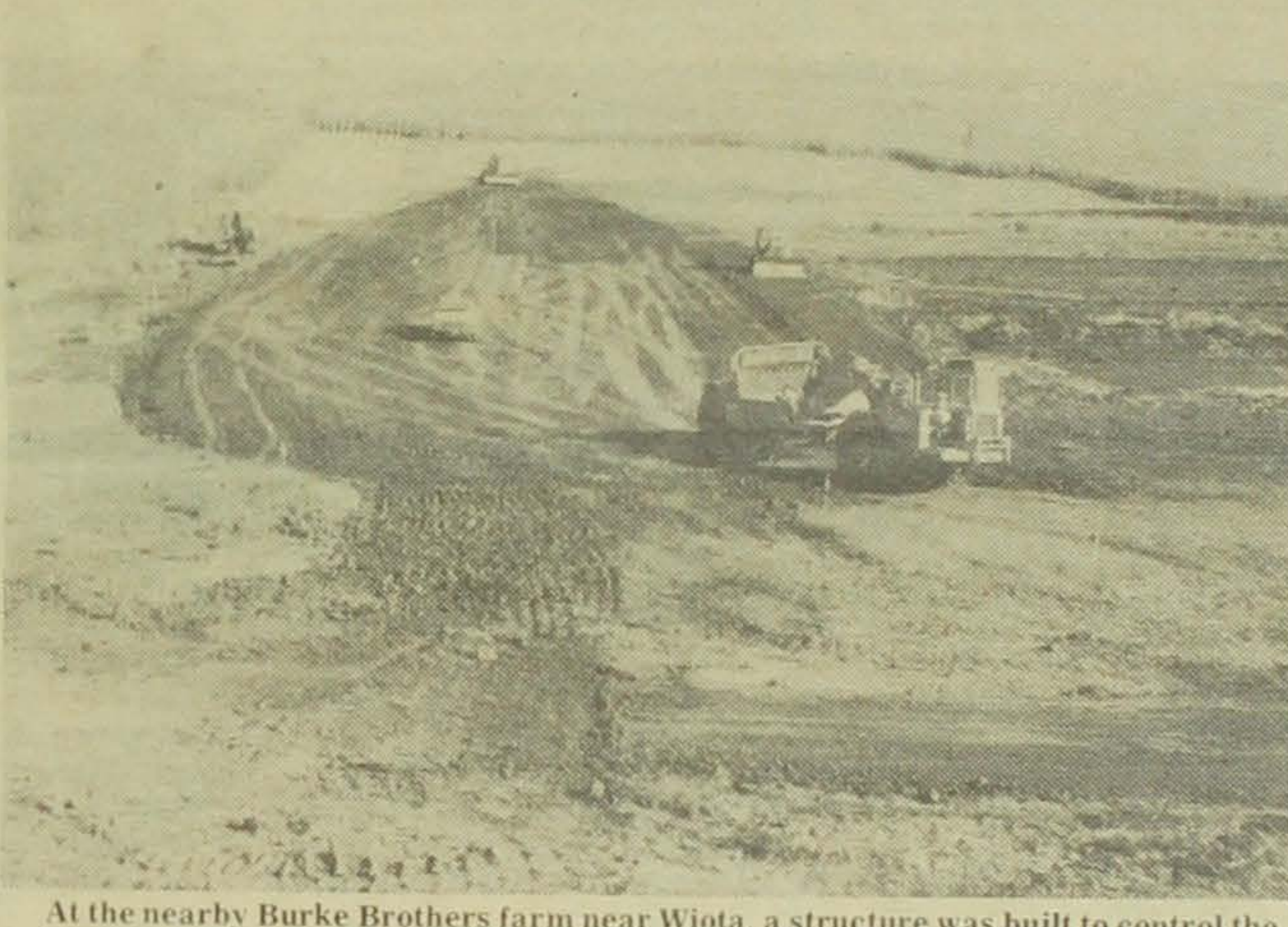
The first step in construction of a watershed structure is to remove small trees and brush that may be in the way of construction crews.



Many pieces of heavy equipment are needed to move thousands of cubic yards of soil to build and compact a dam that creates a watershed structure.



Machines are shown working on the earth dam on the Byron Rolger farm in Benton Township, Cass County. The dam was completed in 1984 and will control gully formation and provide some reduction in downstream flooding.

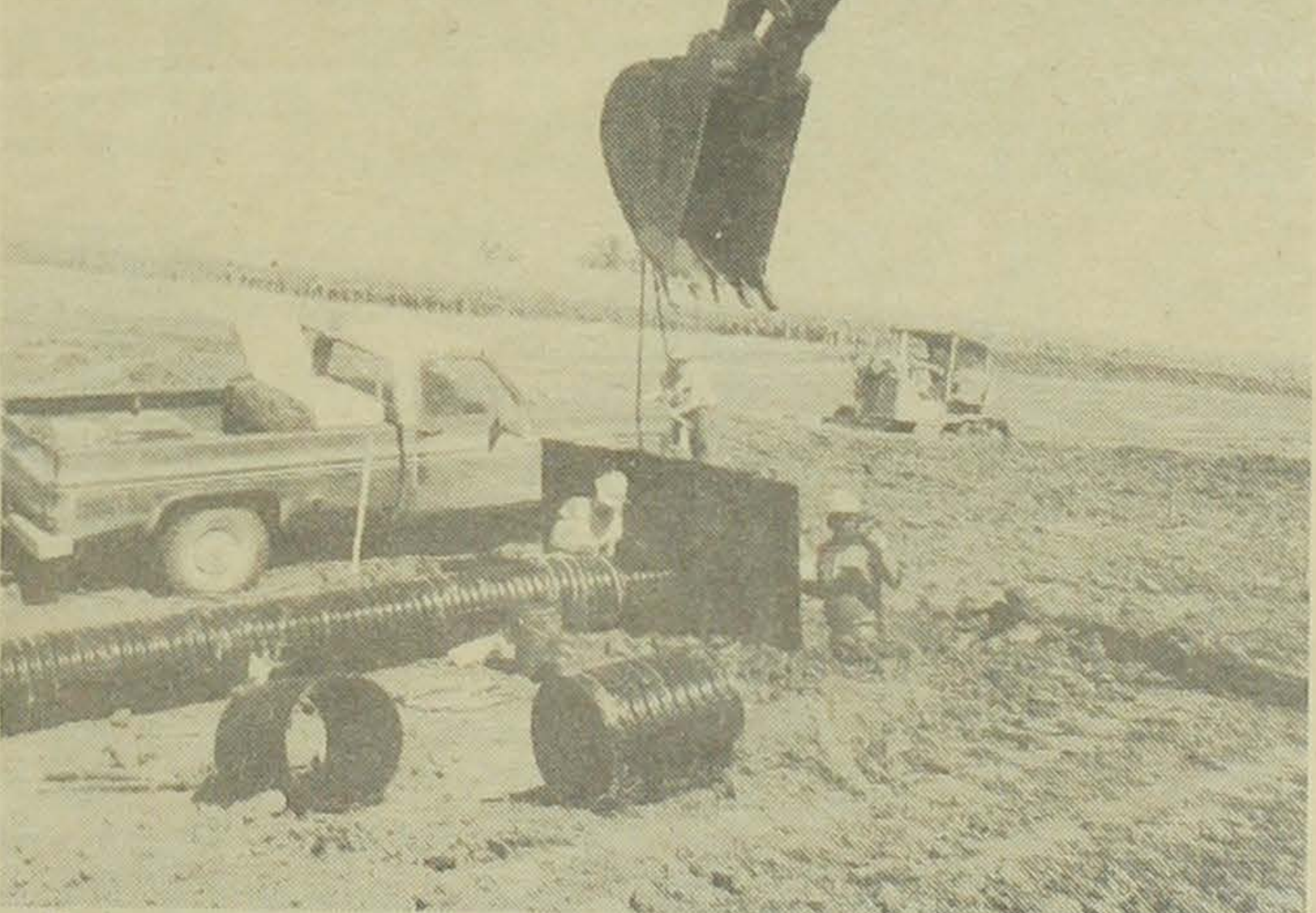


At the nearby Burke Brothers farm near Wiota, a structure was built to control the advance of a gully and also help reduce the flood damage downstream as far away as Atlantic.



Important parts of a structure are the foundation drains made up of crushed rock. The drains are needed to carry away excess moisture in the dam to insure that the earthfill is stable and safe.

One of the major programs for the Cass County Soil Conservation District for the last 14 years has been the Troublesome Creek Watershed. Since construction began in 1972, work had been steady each year in an effort to reduce flood hazards on bottomlands and prevent severe gully formation. Thirteen structures were built in 1984 and four were in Cass County. More than 100 structures are planned in the watershed which includes Cass, Audubon and



Many parts must be assembled to install the overflow pipe which is an important part of a structure. The anti-seep collar is lowered into place for this Troublesome Creek structure.

Guthrie counties. These pictures show how some of the construction work is carried out. A number of stories in this issue of the Farm Monthly are devoted to the work of the Cass County Soil Conservation District and related agencies in the field of conservation programs. The agency's annual report of activities is included.

Poets Corner

HEADING HOME

(For Joani Brink)

It's nice to see the mountains
Or wherever you choose to
roam.
But it's something close to
Heaven
When you car is heading home!
I like to see the pine trees
Or the ocean white with foam,
But the greatest thrill to me
Is when our car is heading home.

— Eileen Harris,
Atlantic

ANGEL EYES

I've held an angel in my arms,
With big eyes so big and blue.
The warmth I felt while holding
her,
Said her love for me was true.
As a Daddy I'm not much they
say.
To a point I'll have to agree.
I was gone before you came.
But my love is still there, you
see.

I love to watch you grow every
inch,
I'd teach you what you must
know,
But the way things are standing
at present,
I guess time will just have to
show.

I'll be there as much as I
possibly can,
To cradle you tight in my arms.
I love you honey, and don't for-
get it.
Angel, it's Daddy's heart that
your love warms.

— Alan Jr. Rudolph,
Audubon

WHO IS HE

That bum who's walking the
streets alone —

The Lord himself, may be,
You won't know him if seen —
But help, if you need!

Or, he may be that crying
child —

Who's looking for a hand,
His cry, not from a fall,
He just wants a Dad!

Could be that hitchhiker ahead —

His home is the road,
He is waiting for a ride —

The temperature is stone cold!

Is "He" that woman who needs
food?

Your Easter dinner, she
smiles,

At your door she stands "hop-
ing" —

But can't ring your doorbell!

Who is he? That I don't know —

Open your hearts and see,
Those strangers you have now
met —

The Lord, could very well be!

— Janet L. Hildreth,
Atlantic

SELAH

"Selah," my Bible says — Pause
and consider —

"Selah," the lilies that grow in
the field.

They toil not nor spin not, yet
Solomon's glory

Can not compare to the beauty
they yield.

"Selah," my Bible Says —

"Selah," the sparrow —

Two for a farthing — of such
little worth

Yet not unnoticed — the Heav-
enly Father

Counts every feather that flut-
ters to earth.

"Selah," my Bible says — Pause
and consider —

Benefits daily He loadeth on me,
Blessed be the Lord, my God of
salvation.

Help me to "Selah" my bless-
ings from Thee.

— Pauline Martens,
Lyman 1984

MIACHEL IS A SWEET
LITTLE BOY

Miachel is a sweet little boy.
He sure does like to play with
his toys.

He likes to make a lot of noises,
With his drum to his grandpa's
snuff can.

To his grandma's frying pan.
Which Miachel sure does have a
lot of fun.

We all love that sweet little boy.
Until he is all grown up to be a
nice young man.

— Mrs. Robert Garner, Atlantic

JUDGE NOT

We live in a prison of our own
making

We go though our life our beliefs
forsaking

Then in our hearts we form a
jury

In our minds with its fury
We judge our selves with
righteous indignation so
severe.

If we took it to our God in
heaven

What would we have to fear.

— Penny Duben, Atlantic

PRIMORIDAL HOGWASH.

Don't let The World push you
into its mold,

Forcing you to recant and obey
its will!

The World hated Me before you
knew life,

And it hates with inordinate
passion still,

Any who differ from its meager
fare;

Any who dream; perchance,
even who dare;

To think for themselves, to
finally conclude

That there truly is God, Who
loves and is good!

Stand firmly resisting and total-
ly unmoved

By their masses of documents
trying to prove,

That man is evolved from pri-
mordial slime;

That Creation is something pro-
gressive through time!

This leaves to man no rhyme,
nor reason;

And thus, by erasing Godly sea-
son,

Offers chance, or happen-
stance,

For appearance of precise and
ordered life!

— A. Watcher

HAPPINESS IS

Happiness is — a walk down the
street,

If you meet a friend, it's an
extra treat,

A few moments to recall some
days now gone,

To share a dream or a wish
with some special one.

Happiness is — finding joy
where you are.

Just look around you, it's not
very far.

A book or a telephone, a pencil
and a pad,

Use them your way and make
someone glad.

Happiness is — to travel distant
places,

To meet new friends and greet
friendly faces.

We learn how important small
things can be

When shared with another or
just you and me.

Happiness is — in a child's
sparkling eyes,

One ready to learn and proud
of his size,

Eager to listen to a teacher or
a friend

Of challenging adventures, some
near end.

Happiness is — a quiet place to
know

Remember the bright star and
the baby below.

His forgiving love surrounds
us each day.

He came from our Father to
show us the way.

— Mae C. Nelson,
Urbandale

THE RIPENED PEAR

Is there anything so tasty
As a home-grown Bartlett pear?
Fresh and juicy with its sweet-
ness,
It has to be the best of fare.

What a thrill it is in springtime
To see the pear tree blossomed
out

And to know it's pollinated
By the bees that buzz about.

We watch it grow in summer —

The pears get larger day by day;

When autumn comes they're
ripe with color

And eaten fresh, or stored
away.

— Marjorie McVicker Sutcliffe,
Audubon

FEBRUARY

After January and the penetra-
ting cold,

I feel we are getting closer to
spring.

The winter with all of it's fury
Now half gone, see what

February will bring.

Winter seems to be a dreary
time,

But I try to make it better.

I would like to read more books
Or sometimes sit down and
write a letter.

Whatever happens I make the
best of it

Just like everyone in the past.

Think I'll just stay home more
Because weather in Iowa
changes fast.

— Agnes Cleeland,
Atlantic

A DREAM

Yesterday the ground was white.

It looked like a blanket to me.

Just something to cover the
ground

For the coming new season to
see.

This morning the sunshine
came.

There was glitter on every
branch,

And shining jewels across the
yard

And icicles beginning to dance

It looked like a winter wonder-
land.

A picture book, storylike, fairy-
tale scene.

There were memories of skating
and sleigh rides

And building snowmen in
between.

I slowly forgot the middle of the
night

When the wind was blowing
strong,

And my trusty electric clock
No longer kept humming along.

I found an extra quilt

And put it on my bed.

Then I went back to sleep again
With covers over my head.

Maybe it was all a dream

It's such a beautiful day

If we could just combine our
thoughts

There's more that we could say.

— Mae C. Nelson,
Urbandale

HE IS THERE —

When you bow your head in
sorrow

And life is too much to bear,

When you can't face each to-
morrow,

Just remember He is there!

When the road ahead seems
rocky,

Don't be filled with great
despair

He will lift your heavy burden,
Just remember — He is there!

— Eileen Harris,
Atlantic

THE LAST DAY

Santa has been here —
Signs all over the house,
Everyone is rejoicing with
cheer —

All except that mouse!

Grandma had traps set —

She knew he was here,
He's been in her cookies —

Baked for Santa Dear!

But grandma had more —

She had put away some,
She knew about His tricks —

He'd eat, 'n run!

She put out cheese —

His dinner, waitin' for him,
He fell for "Grandma's" trays —

A mouse, who's been!

Christmas is for rejoicing
So this is Grandma's Day,

Santa didn't bring her much —
But that mouse didn't get

"Away"!

— Janet L. Hildreth, Atlantic

'IT'S HARD TIMES IN
THE COUNTY JAIL'

Come all you people I pray you
draw near,

For the sorrows of jail you all
ought to hear,

The great log chains bound
down to the floor,

Darn their mean souls what can
they do more.

It's hard times in the county
jail, it's hard times I say.

Every morning they bring in a
loaf of stale bread

Hard as a rock and heavy as
lead,

They toss it from above down
into your cell,

Like falling from heaven
Pop down into —

It's hard times in the county
jail

It's hard times I say.

Oh your beds are made of old
rotten rugs,

And when you lay down
Your pestered with bugs,

The bugs declare they'll never
post bail,

So you're sure to die in the county
jail.

It's hard times in the county
jail

It's hard times I say.

Now all you drinkers my song
is done

I hope you don't think I've been
too long,

For drinking and gambling
you'll never prevail,

And your sure to die in the

county jail,
It's hard times in the county
jail

— Mrs. Harry Greenfield,
Corning

ELECTION CAMPAIGNS

I love my country

Yet I am distressed
At the politicians' chatter

In the campaign mess.

If campaigns were shorter
And candidates played fair,

We wouldn't get so tired
Of them always on the air.

Let us hope that when
We come to another election,

We wouldn't have to suffer
As we did in this one.

— Marjorie McVicker Sutcliffe,
Audubon

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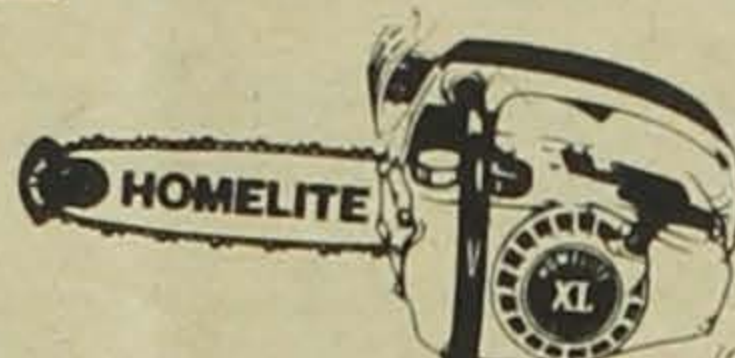
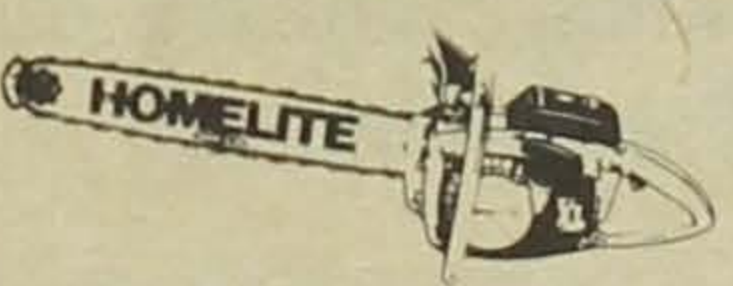
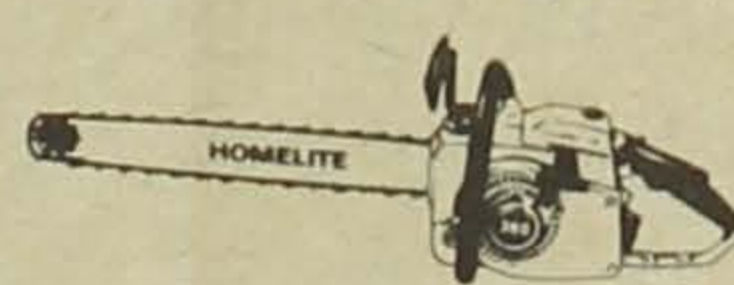
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Soil Loss Complaint Law Works To Control Erosion

By G.M. BAIER
District Commissioner

The soil loss complaint legislation gives us a way to get definite action where there's a serious problem. The damage has been terrific in some of the cases we have investigated. The law gives us a means to begin corrective measures within six months. Before, there was no remedy except to sue, and that wasn't too successful.

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Soil erosion on Cass farm.

statewide, John Seelers of Wayne County says, "We commissioners bend over backwards to get things worked out. We want to be the solution. The law is just a backup."

Since 1973, districts have dealt with 258 complaints, and only 85 have required legal action in the form of an administrative order to the

offending landowner.

I had a lot of reservations about the law until they (legislature) added some safeguards to protect the landowner who has a complaint against him. But now I like it.

The only right that is being infringed upon is the right to let your soil go down the river.

A landowner being required

to control soil losses is protected by law to spend \$10 per acre times the acres he owns each year if an administrative order is necessary. The landowner can spend more than that amount if he chooses.

Most soil loss complaints never require the course of legal action to correct problems of severe soil erosion. About half of the complaints received in Cass County have been resolved voluntarily.

According to Bill McGill of the Iowa Department of Soil Conservation, most complaints are resolved at the first meeting between the commissioners and the alleged polluter.

"The commissioners usually know the landowner, and the landowner usually wants to correct the situation," McGill said.

Iowa's soil erosion statute was passed in 1973. The statute permits a landowner to file a complaint against an adjoining landowner with the local Soil Conservation if sediment is causing damage to his or her property. What was feared as a landswell of complaints and a possible loss of property rights has actually become a very reasonable approach to correct specific areas of severe erosion loss.

MEDIA MUSEUM

UTICA, N.Y. (AP) — The National News Media Museum became more than words on paper recently when officials of the Bagg's Square Association of Utica announced that an interim site would be opened to the public in a few months.

Frank Przybycien, president of the Association and the museum's board of directors, said the association signed a three-year lease to use 7,600 square feet on the first floor of the Gaffney Communications Building, first home of The Daily Press, and a number of exhibits are now in the works.

The long-term goal, he said, is for a \$10 million museum, hall of fame and education center expected to rival the Baseball Hall of Fame in Cooperstown as a tourist and cultural attraction.

CANCER CURE

BOSTON (AP) — A treatment program combining intensive chemotherapy and surgery is now being used to cure most patients with advanced testicular cancer, according to a new study by Boston researchers.

Eighty-five percent of 39 patients studied achieved complete remission, physicians at Dana-Farber Cancer Institute and Brigham and Women's Hospital said in an article published in the Journal of American Medical Association.

Until 10 years ago, Dr. Marc Garnick, one of the researchers said, "There is no doubt that all these men would have died of cancer. Now, following a median follow-up of three years, they have returned to their normal family life and work and every day activities."

ACP Funds Now Available For Conservation

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

ACP funds, authorized annually by Congress are allocated by ASCS in Washington, D.C. on the basis of conservation needs to state ASC committees.

Any farmer whose land needs conservation work may request cost-sharing assistance from the Cass County ASC Committee. The committee will review the application and, if approved, the cost share will be paid when the practice is completed according to specifications of the technical agency.

Farmers who receive ACP funds are responsible for sharing a portion of the cost and maintaining the practice for its required life span. The maximum cost share limitation per person per year is \$3,500.

In the 1984 fiscal year, \$70,156 in federal cost share funds were paid out in Cass County. Of this amount 47 percent went for terrace systems, 30 percent for permanent vegetation cover, 12 percent for sod waterways, 8 percent for water impoundment reservoirs, 2 percent for windbreaks and 1 percent for stripcropping and permanent wildlife habitat.

Applications for cost share are now being accepted for the 1985 fiscal year. Cass County has received an allocation of \$21,700 for target area funding. This allocation is used to approve practices for the most critical soil erosion problems in the county.

An allocation of \$37,162 has also been received for annual ACP practices. These practices include permanent vegetation cover establishment or improvement, stripcropping systems, terrace systems, diversions, feed lot, field, and farmstead windbreak restoration or establishment, ponds, dams, sod waterways, forest tree plantations and improvement, and permanent wildlife habitat.

Personnel at the ASCS Office include Elaine Martens, county executive director; Marilyn A. Smith, Sharon L. Boken and Jamie A. Young, program assistants; Carol Michaels, Federal Crop Insurance Corporation assistant; Forrest E. Winston, field employee. The county committee includes Richard Follmann, chairman; Folmer Nelson, vice chairman; and Robert McLaren, regular member.

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Cass County Part Of State Owl Restoration Project

By MELANIE HAYNER
And DENNIS SIERCK
Cass County
Conservation Office

The barn owl is a native to southern Iowa, but yet a stranger to most. It is a tall, ghostly bird, about 14 inches high, with legs that look much too long for its body. It has a light colored, heart-shaped face that is trimmed with gold and interrupted by large dark eyes.

The barn owl is primarily nocturnal (active at night). It begins hunting 15 minutes after sunset and is most active for the first 90 minutes after beginning to hunt. It will occasionally hunt during the daytime if rodent numbers are low.

It will eat anywhere from 3-15 ounces of meat a day, which is equivalent to about 8-10 mice or moles. The barn owl locates its prey by sound alone so when hunting it will silently glide very close to the ground.

Nesting Conditions

The barn owl nests only when conditions are favorable, primarily when food is abundant enough to feed their young. It will lay 3-8 eggs over a period of approximately nine days.

The first clutch is laid in March or April, and 30 days afterward soft, down-covered chicks emerge. These nestlings develop their flight feathers over a period of 8-12 weeks and will start to feed themselves when they are about 9 weeks old.

Barn owls may nest several times during the year, again this will depend upon the availability of food. A second clutch may be laid even before the first has left the nest, but usually four months are needed between breeding cycles.

The barn owl has few natural enemies. Raccoons, osprey, cats, crow and the American kestrel pick on the owl, but the great-horned owl will kill it. Of the barn owls that die, most are lost in the winter or in times of scarce food. About one-third of young owls will die in their first winter when they travel to establish new territories of their own.

Poisoning

Declining barn owl numbers have been due to not only natural enemies but also to human encroachment. Owls are severely affected by pesticide poisoning, but most of all they have been affected by a loss of habitat.

Many of the owls nesting sites have been destroyed by cleaning old cottonwood and sycamore forests.

In 1983, 58 barn owls were released at seven sites in six counties in southwest and south central Iowa, including Cass County. This project was undertaken by the Iowa Conservation Commission in cooperation with individual county conservation boards to try to re-establish barn owl

populations in Iowa.

Throughout this project the county conservation boards were responsible for the care and feeding of the owls, while the Conservation Commission took care of the organization.

For the project, sites were chosen that contained good barn owl habitat. This consisted of at least 50 percent grassland, 25 percent timber and no more than 30 percent cropland.

65 Birds

In 1984 a total of 65 birds were again released in south central and southwestern Iowa. By the end of the same year, there were in excess of 10 verified sightings of free flying barn owls. Thus indicating that the project is beginning to pay off.

This barn owl restoration project will continue in 1985 and Cass County again will be the recipient of a pair of owls.

This project would not work however, without the help of many concerned citizens. You too can help! The Chick-a-dee Checkoff provides the funding for programs such as this, funding that is easily donated too.

You may also help by putting up barn owl nest boxes in high dark corners of abandoned or undisturbed buildings. Approximately 75 nest boxes have been placed near the release sites, 35 of them by concerned people. If you wish to put up a nest box, call the conservation office for blue prints, telephone 243-3542.

HOGS AND PIGS

There were 14.2 million hogs and pigs on Iowa farms as of Dec. 1, 1984, 5 percent below the 15 million a year ago.

Of this total, 12.47 million were market hogs, down 5 percent from the previous year. Breeding stock, at 1.73 million head, was also down 5 percent from December 1983.

The September-November pig crop totaled 5.7 million, down 3 percent from the same quarter last year.

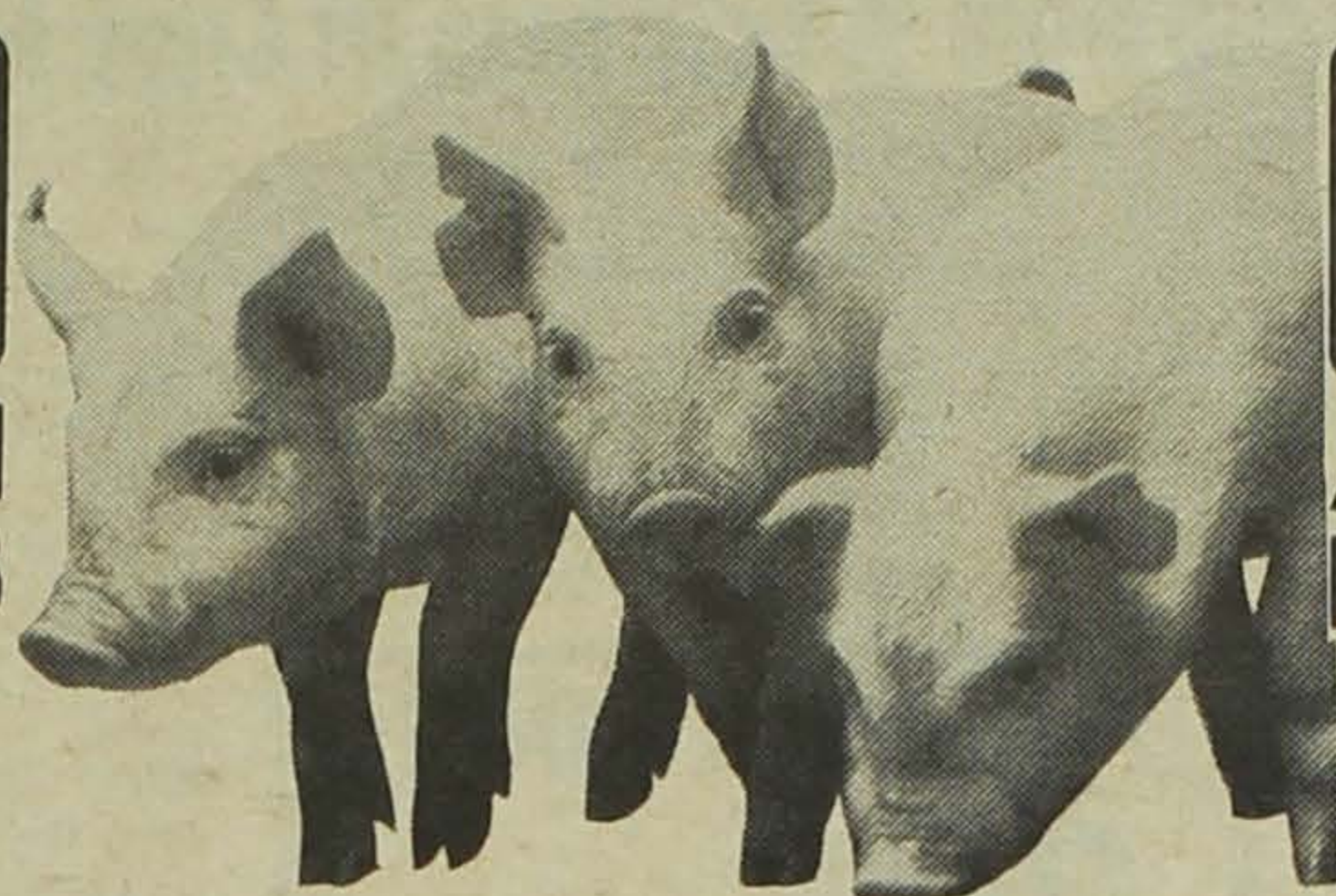
Producers indicate intentions to farrow 600,000 sows during December 1984-February 1985, unchanged from last year. The intended farrowings for March-May 1985, at 750,000 sows, is down 7 percent from a year earlier.

FOREIGN TRADE ZONE

BOSTON (AP) — Some products entering or leaving Boston's Logan International Airport will be exempt from normal duties, excise taxes, bonding costs and quotas.

The reason is that Massachusetts Technology Center on the grounds of the airport has been designated a foreign trade zone by Congress.

The designation is good news for the center which expects to attract some 50 electronics and aviation related companies.



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Conservation Work Maintains Farmers' Commitment

By J. MICHAEL NETHERY
State Conservationist

The state of Iowa and the people of Cass County can take pride in the soil conservation effort occurring in the agricultural community around them. It is apparent in reviewing this past year's soil conservation

accomplishments that the commissioners, staff and most importantly the farmers of your district, have decided that although the ag economy continues to suffer, their commitment to protect long term soil productivity cannot be set aside. I see this commit-

J. Michael
Nethery



ment throughout Iowa with very few exceptions.

Agriculture today has become a highly specialized and technically demanding profession. Farmers make technical decisions daily with respect to machinery, ag chemicals, livestock breeding and seed varieties.

Each of these decisions has economic implications; the sum of which determine the economic success of the farming operation. However, it is equally important that these technical and economic decisions be made within the constraints of soil resource protection.

Success in the field of agriculture can be measured in many ways. Soil conservation achievement is one of them.

Challenge

To meet the challenge of economic survival and soil resource protection, farmers are continuing to turn to conservation tillage and other agricultural management practices that conserve soil.

The productivity of nearly two-thirds of Iowa's farmland could be protected from erosion by farming on the contour and leaving a 50 percent cover of crop residue. At the same time that soil is being protected in this manner, the farmer can also realize the economic advantages of reduced tillage.

Statewide, soil conservation districts continue to encourage conservation planning and management through the distribution of Iowa Soil 2000 conservation folders. This past year, 7,000 farm owners and operators received conservation folders for their land covering 1.2 million acres.

Statewide projects are for a 25 percent increase in folder distribution this year. In many districts the folders have been a positive first step in encouraging conservation planning by initiating an awareness on the part of the landowners, of the erosion problems that exist on their land. Creating this awareness through conservation education is one of the most important responsibilities we share.

Financial Aid

Another important program function of the Department of Soil Conservation continues to be that of providing financial incentives to support the installation of permanent soil conservation practices.

Through state cost-share or no-interest loan assistance, 70,000 acres of Iowa farmland were protected this past year. I am pleased that statewide demand for soil conservation financial assistance has continued through these difficult economic times.

I look forward with you to a more prosperous agricultural economy and continued awareness on the part of all farmers of the importance of soil conservation as a part of every farming operation.

Toward this goal, the Department of Soil Conservation will continue its commitment to support the soil conservation efforts of the Cass County Soil Conservation District.

POSITIVE ATTITUDE

VISALIA, Calif. (AP) — Robin Johnson, 22, lost her left leg to cancer eight years ago, but she does not let the disability get in her way socially, scholastically or even athletically.

A student at College of the Sequoias, she has excelled at swimming and competing in wheelchair games. She holds state records for speed in three separate swimming events from those competitions.

"If you have just the most minute difference, people will say, 'Oh, there's a different one,'" she said, "but you can't let it bother you. You have to let it roll off your shoulder."

Now with plans to transfer to Fresno State University, she has set her sights on qualifying for the swim team there.

Environmental Committee Holds Programs

Activities the Cass County Environmental Education Committee are involved in reach out to hundreds of students each year.

Parents, teachers, brothers, sisters, district cooperator contributions, and several agencies all play a very important role in the development of our young people. The committee was formed from the Soil Conservation District with intentions of educating people on the importance of conservation.

This conservation includes soil, water, energy and wildlife.

Members of the committee are Kirk Petersen, chairman; Melanie Hayner; Mr. and Mrs. Tom Magill; Sharon Goff; Dan Huey; Larry Harris; Barb Chase; Kenneth Muller; Pam Tibken; and Denny Zimmerman.

An essay contest was held in the spring. The topic was "Trees, A Neglected Resource." Allen Scarf, son of Mr. and Mrs. Howard Scarf of Atlantic, was the recipient of the \$100 cash award.

Essay Contest

This year the essay contest will be expanded to junior and senior divisions. The money for the cash award was donated by the Cass County Soil Conservation District and the Cass County Conservation Board. G.M. Baier presented the award to Allen Scarf.

The highlight of the year is the awards banquet in the spring. All poster and project contest winners, along with their families and teachers, are invited to attend. Last year's speaker was Les Licklider of rural Wiota. He is the president of the Iowa Izaak Walton League. Winning posters and projects were displayed.

The committee supervises a yearly fifth-grade poster contest. The posters are judged on neatness, originality, does the poster relate to southwest Iowa, and how closely the poster idea follows the current theme. Ribbons are awarded to the top three posters from each class.

Posters

Outstanding posters not placing in the top three are awarded certificates of honorable mention. The themes were January — "Conserving Energy In The Home"; February — "Habitat-The Key To Wildlife Survival"; March — "Soil Conservation"; April — "Wild Plants and Their Uses."

The sixth graders were involved in doing conservation projects. Trophies, along with certificates, were awarded to the top three entries in each class. Certificates were awarded to the next top seven project winners. Students receive ideas for the projects from the workbooks that are distributed throughout the schools, SCS, Extension Service or from conservation projects on the farm.

Other activities for the committee were the Teacher of the Year Award; Heritage House nature walk proposals; conservation comic books distributed to all elementary schools; foreign exchange program; a monthly newsletter, "Naturally Speaking," distributed to teachers in the county; and the Turkey Creek nature trail.

Craig Hensley served as chairman for the first half of the year. He and his family later moved to Arkansas, where he is attending college.

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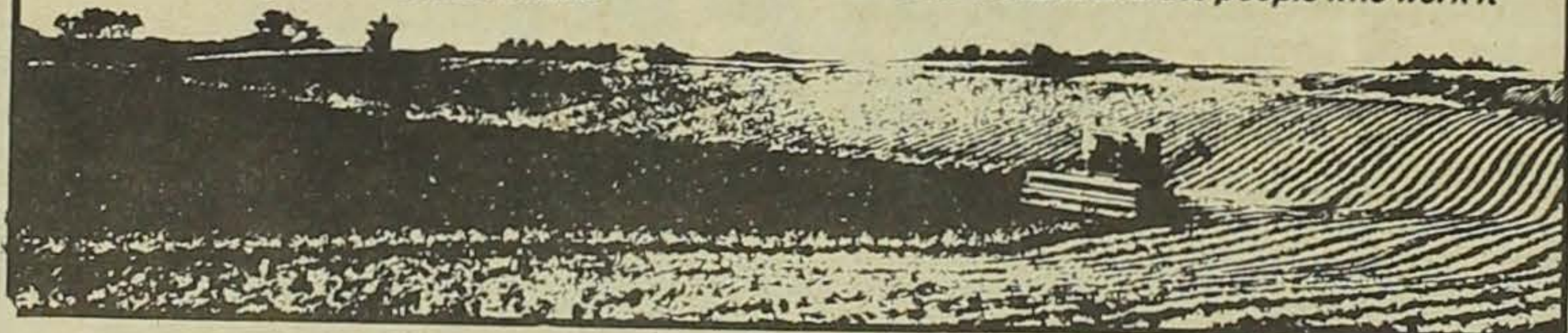
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Cass County No-Till Club Lists 11 Tips For Planting

The Cass County No-till Club has grown from a handful of individuals in 1980 to more than 100 in 1984. The no-till acres have grown in proportion from about 500 to more than 10,000 acres in 1984.

No-till yields have been equal to, or better than, conventional methods, and savings have been realized in less cost per acre and reduced soil loss, says Bill Willis of the Cass County Soil Conservation Service.

With more than 100 farmers using no-till extensively, considerable experience in how to make no-till work has been gained. The following 11 planting tips are used by successful "no-tillers":

1 — Avoid no-tilling when soils are very wet.

2 — Begin planting when the upper two inches of soil will crumble when squeezed in the palm of your hand.

3 — Plant a little slower — 3-4 miles per hour.

4 — Be sure the planter tongue and frame are level.

5 — Make certain the no-till coulters are in perfect alignment with the seed opener.

6 — When planting corn, try to plant at the 1½-inch depth unless planting is done in very dry soils.

7 — Frame mounted coulters should run about half an inch deeper than the seed depth. Unit mounted coulters need to run the same depth as the seed placement.

8 — Fertilizer openers need to run two-inches to the side of the seed openers.

9 — Use seed furrow closing wheels designed for no-till.

10 — If conventional markers fail to perform well, use a pipe mounted to the frame of the tractor and drop chains that drag over the last row planted.

11 — If all adjustments have been made and the coulters fail to penetrate the soil, add weight. Front-end weights for a tractor usually work well.

"Designing a herbicide program for the weeds you need to control is a real must in no-till," says Willis. "People fear no-till because of weed control. Weed control is entirely possible with no-till if you know what weeds you are trying to kill, and select the right herbicides and rates for the job. Of course, you have to apply it right and according to label restrictions," Willis concludes.

In 1983 and 1984, Cass County no-till farmers were asked to report on their yields. In the drought-stricken area of Cass County last year, 107 acres of corn yielded 75 bushels per acre which was still better than conventionally planted corn because of moisture conservation.

Where rainfall distribution was better, one no-till field yielded 175 bushels per acre. Several yields have been reported in the 130-140-bushel range, where the total no-till acres were 125 acres or more per farm.

"I think that no-till has progressed far beyond the experimental stage in Cass County," said Willis. "We have

a large number of farmers now with considerable experience who have found out that no-till works, and the savings in time, soil, and moisture are not just someone's imagination. I also think that the old belief that you have to sacrifice something in yields with no-till may not be true in this part of the state."

Warning

Injuries from one of winter's greatest hazards — the dead auto battery — can be reduced if motorists take some precaution before the season is in full force, says the National Society to Prevent Blindness.

"Some people don't know that a lighted match and cigarette, or a spark from a dropped tool, booster or charge cable can ignite a battery," says Jeanne Burmeister, executive director of the Iowa affiliate. "The explosion can throw battery acid into the eyes, causing severe burns, possible vision impairment or even blindness."

To minimize this risk, the society urges motorists to carry safety goggles in their car, and wear them whenever working around or jump-starting a car battery.

The following are some suggestions from the society that motorists can use to assure their car battery's peak performance:

— Water level. Water lost through evaporation overcharging should be replaced.

— Corrosion. Inspect battery terminals on a regular basis and clean as needed. Any corrosion on terminals should be removed with a cleaning solution of water and ammonia or baking soda. Clean terminals

can be coated with petroleum jelly after attaching cable terminals to battery.

Even "maintenance free" batteries pose some of the explosive potential of their non-

sealed battery counterparts, the society cautions. Always wear safety goggles when performing any of these maintenance or jump-start tasks.

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MEXICO CITY (AP) — Production of a children's television project has begun with the taping of programs in a new

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"Plaza Sesamo" series that will be aired later this year in 18 Central and South American countries.

The 130 half-hour-show series is a direct descendent of the earlier "Plaza Sesamo" programs seen in the early 1970s.

Like "Sesame Street," its American namesake, the series is aimed at young children and attempts to teach as well as entertain.



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Stripcropping Offers Low-Cost Conservation

By BILL WILLIS

Soil Conservation District

Is alfalfa an important part of your farming operation? Do you use oats or wheat as a part of your livestock operation, or depend on small grains for a cash crop? Are you looking for an inexpensive way to control soil erosion? If you answer "yes" to any or all of these questions, then contour stripcropping may be the solution.



Delbert
Westphalen

Delbert Westphalen established a stripcropping system on the first field on his farm in 1981. Since that time, additional stripcropping has been established on four other fields. The crop rotation of three years of rowcrop, oats, and two years of meadow makes it simple to keep the strips established. Since everything is on the contour, soil loss is well within tolerable limits.

Feeding Ration

For Westphalen, alfalfa is an important part of his livestock feeding rations supplying protein at a reasonable cost. The alfalfa production on the stripcropping is stored in a metal silo and used as protein in his feeding rations. When it is time to interchange the alternating strips in the rotation, oats becomes the companion crop for a new alfalfa seeding. The oats can be chopped and taken to the silo, or combined for grain as a cash crop depending upon the market value for oats that year.

Alfalfa can be valuable as a cash crop also, where a reliable market can be developed to sell the crop for hay. The recently organized Southwest Iowa Hay Growers Association was formed specifically to develop new marketing opportunities for hay of all kinds.

Corn and soybean production are equally important in any

stripcropping system. Every other contour strip is used for rowcrop production. Almost every minimum tillage or no-till system, currently in use, can be easily adapted to stripcropping, also, to even further reduce production costs and soil loss.

Incentive Payment

An incentive payment is being offered by the Cass County Agriculture Stabilization Conservation Service Committee to encourage farmers to give stripcropping a try. In 1985, this payment will be increased from \$6 per acre to \$10 per acre. The payment does not apply just to the seeded strips either. It is based on all the acres protected by the stripcropping system. Applications for these payments are avail-

able at the local ASCS office.

Stripcropping produces a very pleasing scene when established on a slope. The alternating strips of green corn and golden oats are very eye catching. Even the strips of green alfalfa and green corn have an unusual aesthetic value. In the fall, the yellow leaves of soybeans beside dark green strips of alfalfa generate a scene that is pleasing.

Layout assistance for contour stripcropping is another free service provided through the Cass Soil Conservation District. If low-cost soil conservation is needed that will still provide grain and forage needs, then contour stripcropping could easily be the very best solution.

Tip of the Hat to 4-H CLUB MEMBERS



Scott Kay

Scott Kay, 17-year-old son of Fred and Jane Kay of Atlantic, is Junior Leader of the Month. Kay, a seven-year member of the Pymosa Ski-Hi 4-H Club, has carried projects in beef, swine, food and nutrition and gardening.

On the local club level, he served as president, vice president, reporter and photographer and has also helped with several club workshops and livestock judging workouts. He has also helped the club with the mowing of the Lorah Cemetery each summer and developing a park at the Little League Park area.

On the county level, Kay has done educational presentations as well as serving as junior superintendent for the livestock judging contest at the Cass County Fair. This year he is a member of the County 4-H Youth Council.

The highlight that stands out most in Kay's 4-H career, was raising a champion commercial heifer from his own cow herd.

The Atlantic farm youth enjoys being a Junior Leader because "it gives me a chance to meet parents, leaders and 4-H'ers and share some ideas of 4-H that I think can help people within the county."

He feels "4-H gives kids a chance to meet new friends and

show what skills that they have. I feel 4-H is a learning experience and lets kids get a chance to have some responsibility with a project all year long and then some pride at the end of the project year at the county fair."

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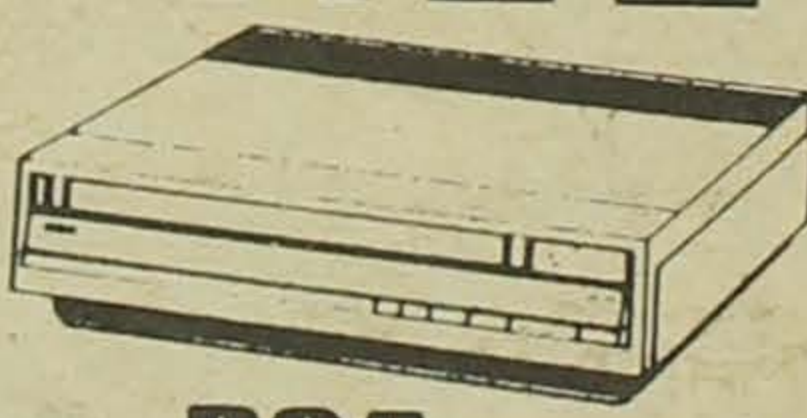
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Farm Monthly Book News

By Grace Rasmussen
Of Manilla

One of the books offered by the Book-of-the-Month Club this year presents a challenge to any reviewer; a very neat compact book, packed from cover to cover on quality-paper-pages with information and exceptional photographs of literary figures from George Bernard Shaw to Sylvia Plath; from Emily Dickinson to Madeleine L'Engle.

There is a self portrait of E.E. Cummings and a wonderful painting of Winston Churchill. I could go on and on but should give you the title, shouldn't I?

"A Book of Days for the Literary Year" is published by Thames and Hudson Ltd. of London for Book-of-the-Month. The end papers are covered with personal autographs of famous authors.

The autographs enlighten readers as to their personalities. Charles Dickens and Edgar A. Poe's being the more elaborate and Oscar Wilde's and William Faulkner's so small and unassuming they are hard to ascertain. Certainly a book to be savored and enjoyed throughout the whole year.

Rival

To rival the "Book of Days for the Literary Year," The Iowa Arts Council has published "Passing Time and Traditions," a compilation of contemporary Iowa folk artists.

It is published by the Iowa State University Press in hardcover or paperback. Hardback is \$29.95 and paperback is \$15.

It is exciting to find artists from all over the state exhibiting their talents. The definition of "folk art" has perplexed specialists and non-specialists alike. However it is viewed, the 166 pages offer an anthology brought about by dozens of authors and photographers who have contributed their talents to bring to readers history, art history, cultural geography, anthropology, biography, ethnomusicology and folklore of Iowa.

It was delightful to come upon Audubon veterinarian-whittler John Sutcliffe and Viggo Nielsen of Kimballton's miniature work.

It is another book to provide a year-long savoring and also might be considered Iowa's elaborate answer to the Foxfire books.

Lighter

On the lighter side, Lee Bennett Hopkins has a series of holiday poetry which includes Halloween, Thanksgiving and Christmas. However, her "Good Morning to You, Valentine" is an inviting book for this time of the year.

Meant for young children, it should appeal to the sentimental and the silly for it contains poetry ranging from Shakespeare to the famous "anonymous," all illustrated in red and white. It is a Harcourt Brace Jovanovich and costs \$11.95.

Also by Hopkins from HBJ for \$8.95, illustrated in purple and white is "Easter Buds are Spring." There are 19 poems of celebration of Christ's rising, rabbits, flowers, colors and egg hunts. The artist for both books is Tomie dePaola.

Something Old

Capicorn Press is offering old favorites such as: "Wuthering Heights," "A Room With a View," "A Tale of Two Cities" and others. For children's classics, readers will be tempted to spend the \$14.95 for

these beautifully bound books with four color covers.

Scoop

Next month: The untold story of what all the animals did on the 40-day ark trip.

Hypertension Screening

DES MOINES (INA) — The No. 1 priority of the Disease Prevention Division of the Iowa State Department of health is hypertension screening, said Russell W. Currier, chief of the division.

"We want to identify those people with moderate-to-high blood pressure and get them on

a proper diet and medication," he said.

Barbara Thiede, a consultant nurse with the hypertension program, said "We're making strides at making people aware of what it (hypertension) is."

Prime targets for hypertension are the work-force-age male, the medically underserved, the elderly and blacks, said Thiede. She said about one in four people in the United States suffer from hypertension. She said the number in Iowa is unknown, but the number of people receiving treatment for their hypertension is increasing in Iowa, she said.

Colleen Lemkuil, of the health education risk reduction program, works with Thiede in

the area of fitness-testing. They provide technical assistance to state employees and to companies upon request. They show films and slides, give advice, do health-screening (such as blood pressure checks) and suggest either a fitness program or activities.

The goal of the health education risk reduction programs is to decrease the incidents and prevalence of the following risk factors: smoking, alcohol abuse, poor nutrition, hypertension, diabetes, and poor fitness habits.

That program is indicative of a trend in the division toward health promotion rather than disease prevention. Currier said, "We're looking toward health promotion now rather

than disease prevention. This is going to be the thing of the future. We've taken care of the individual to the point that it's getting more difficult to justify our existence."

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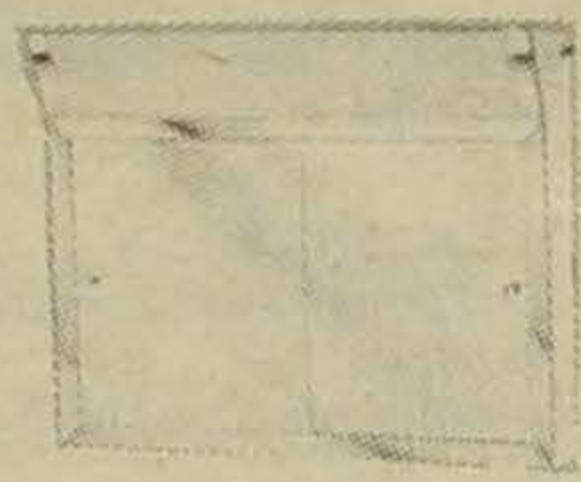


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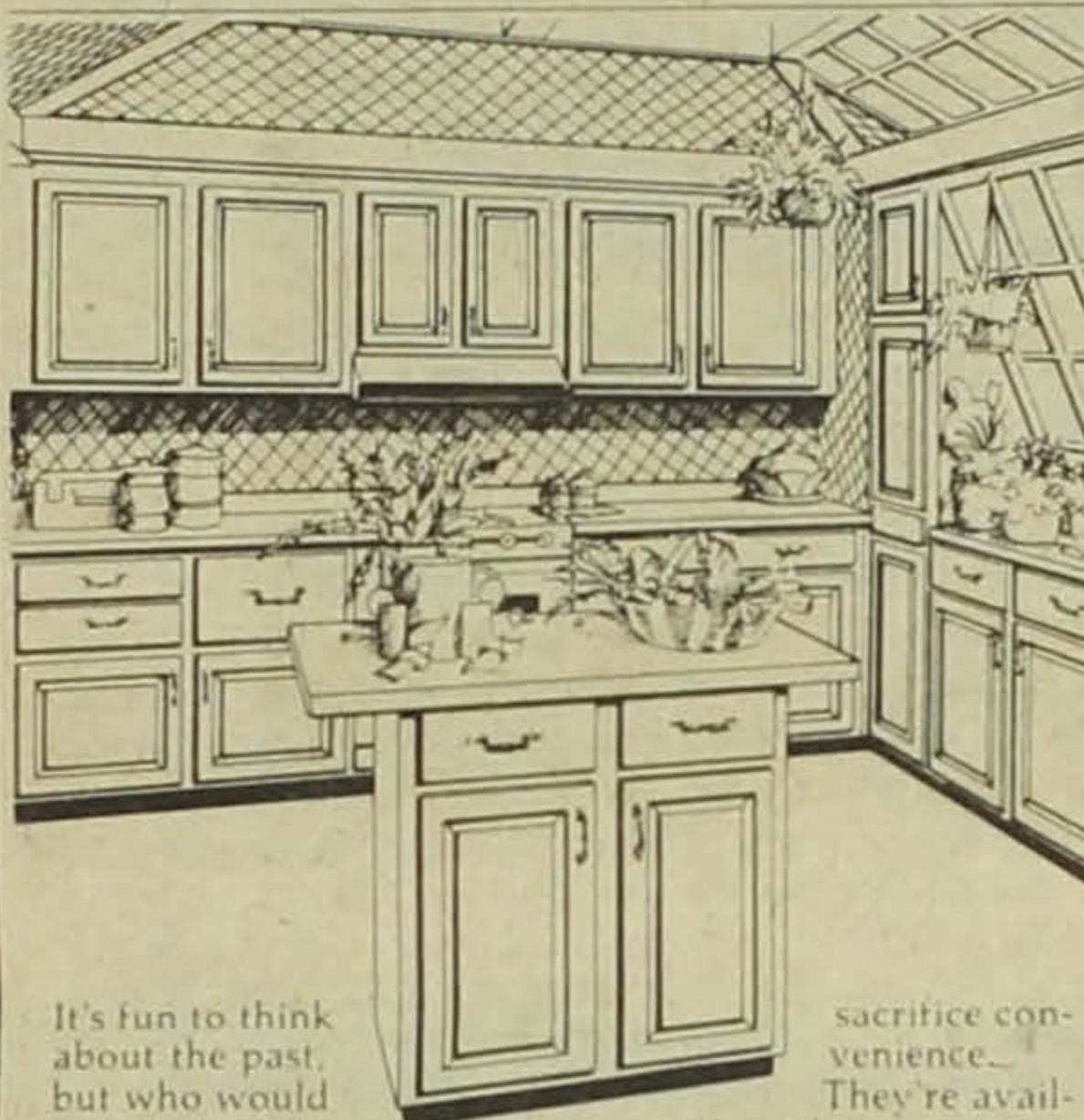
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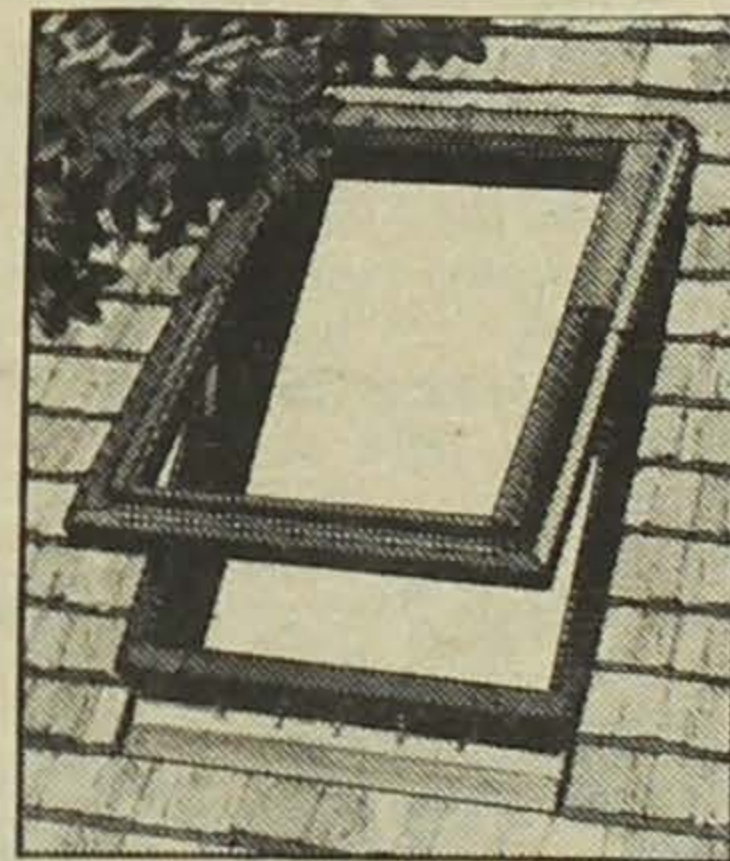
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Nippy Weather Calls For Hearty Meals

Sausage And Apples: Brunch Twosome

By CECILY BROWNSTONE

Associated Press Food Editor

When winter brunchtimes come around, good cooks know sausage links and apple rings make a delicious and thrifty main course. And for a really hearty menu, scrambled eggs and buttered grits are great go-alongs.

Because recipes for Sausage Apples are on the vague side, we worked out a precise procedure. If you are the sort of cook who likes to know exactly how many apple rings may be fried successfully in a specific skillet, you'll probably appreciate the following recipe. Because the sausage links are fried first, and all or part of their fat is used to cook the apple rings, there is only one utensil to wash, dry and put away. And if you use an electric or other attractive skillet, you can bring it right to the table.

SAUSAGE APPLES

1/2 pound (8 small) pork sausage links, thawed if frozen
3 medium (1 pound) red apples
1 1/2 teaspoons sugar

Choose a large skillet — we used a non-stick one measuring 12 inches across the top and 10 inches across the bottom. In the skillet, over medium heat, cook the sausages with 2 tablespoons water, covered, for about 4 minutes. Continue cooking, uncovered, turning the sausages with tongs, until golden brown on all sides. Drain on paper toweling and keep warm in a slow oven. If there is more than 2 or 3 tablespoons of fat in the skillet, remove the excess.

Meanwhile wash and dry the apples; do not peel; core. Cut each apple into about 1/2-inch thick rings — there should be 12 rings in all. Add half the apple rings to the hot sausage fat in the skillet; cook over medium heat, turning as necessary with a large spatula (plastic if skillet is non-stick) until the apples are tender when pierced with a fork but still hold their shape. (Time will depend on variety of apple used.) Sprinkle the rings with half the sugar. With the spatula, remove apples and keep warm in a low oven. Add the remaining apple rings to the skillet (using more sausage fat or butter if necessary) and cook the same way. Serve at once with the sausage links.

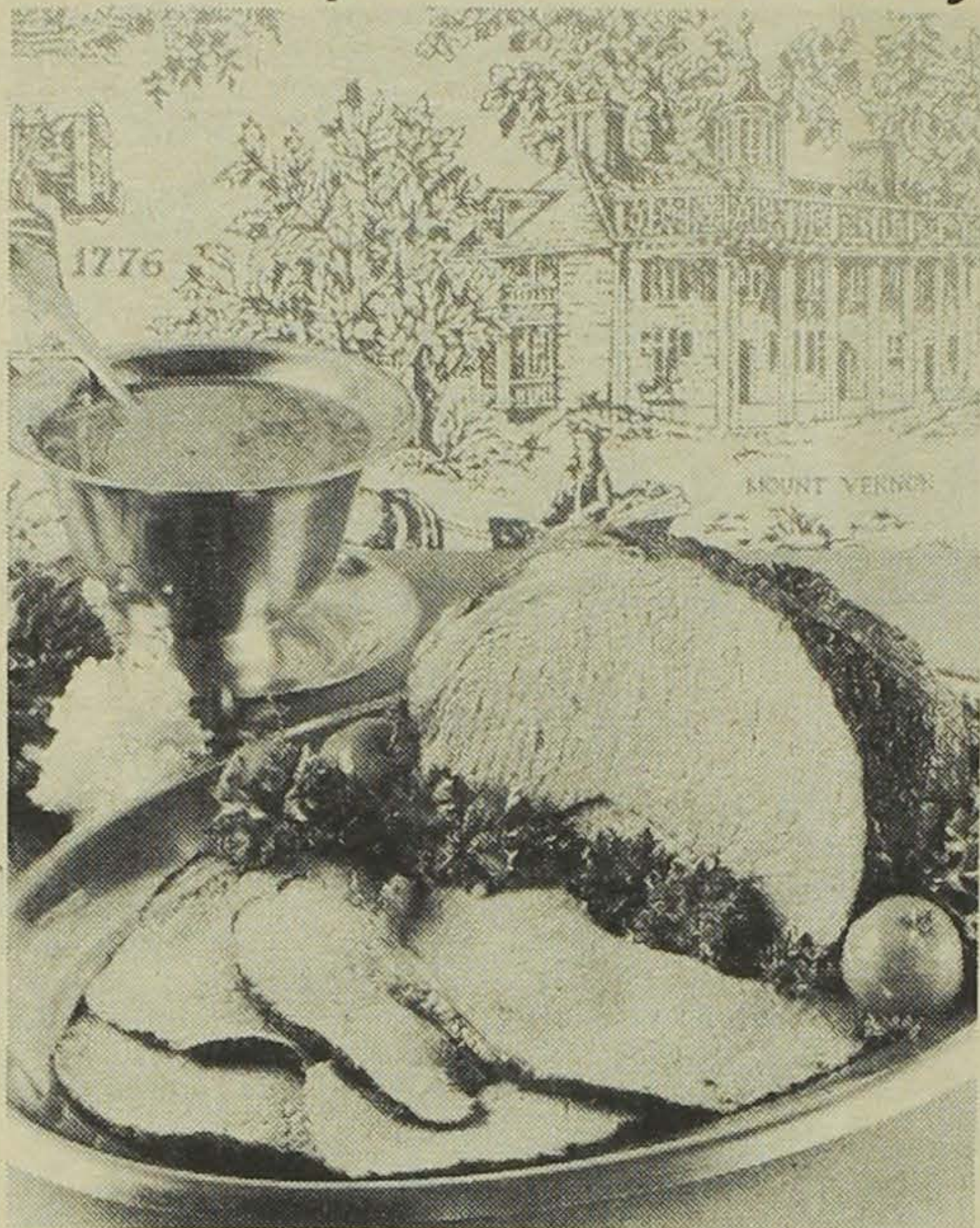
Makes 2 large or 4 small servings.

KRAUT RELISH

8-ounce can sauerkraut, undrained
1/4 cup sugar
1/4 cup finely chopped onion
1/4 cup finely chopped celery
1/4 cup finely chopped green pepper

1/4 teaspoon celery seed
Stir together sauerkraut, sugar, onion, celery, green pepper and celery seed; cover tightly and refrigerate for several hours or overnight to allow flavors to blend. Drain lightly, if you like, before serving.

Beef Rump Roast — Herb Gravy



Celebrate a special occasion with a popular beef rump roast says Nancy Degner, Home Economist for the Iowa Beef Industry Council. A smooth gravy accented with a blend of herbs picks up the hearty beef flavor in delicious fashion.

BEEF RUMP ROAST

(3 to 5-pound boneless beef rump roast, rolled and tied.)

Place roast, fat side up, on rack in open roasting pan. Insert roast meat thermometer so bulb is centered in the thickest part of roast. Do not add water. Do not cover. Roast in a slow oven (325 degrees) to desired degree of doneness. Remove from oven when thermometer registers 135 degrees for rare; 155 for medium. Allow 25 to 30 minutes per pound, depending on doneness desired. Allow roast to "stand" in a warm place 15 to 20 minutes after removing from the oven. Roasts continue to cook during this time and usually rise approximately 5 degrees in internal temperature reaching 140 degrees for rare; 160 degrees for medium. For optimum tenderness serve roast rare or medium and carve into thin slices. Serve with Herb Gravy.

Herb Gravy

2 tablespoons beef drippings
2 tablespoons flour
1 1/2 cups water
1 teaspoon freeze-dried chives
1/4 teaspoon salt

Place beef drippings in a saucepan and blend in flour. Gradually add water and cook, stirring constantly until thickened. Add chives, salt, pepper, thyme, marjoram and basil and continue cooking 5 minutes stirring occasionally. Stir in lemon juice. Yield: 1 1/2 cups.

HAM AND TOMATO PIE

1 pre-baked 9-inch pie shell
2 teaspoons Dijon mustard
2 cups coarsely ground or chopped cooked ham
2 tablespoons minced parsley
1 small garlic clove, pressed
3 tablespoons minced celery
1/4 cup minced onion
2 tomatoes, peeled, cored, and thickly sliced
Salt and Pepper to taste
2 cups shredded sharp Cheddar cheese
1/4 cup mayonnaise
1/4 cup cracker crumbs
1/2 teaspoon dried basil

In a pre-baked pie shell, spread the mustard and allow to dry. In a small bowl, mix the ham with 1 tablespoon parsley, garlic, 2 tablespoons celery, and 2 tablespoons onion; spread in the pie shell. Layer overlapping tomato slices on top and sprinkle lightly with salt and pepper and the remaining parsley, celery and onion. In a small bowl, blend together the cheese, mayonnaise, cracker crumbs, and basil; spread over the filling in pie shell. Bake in a 400 degree oven for 30 or 40 minutes, until hot and bubbly. Makes 4 to 6 servings.

ASPARAGUS SOUP

Cholesterol-watchers will appreciate this.

1 tablespoon instant minced onion
1 tablespoon water
15 1/2-ounce can cut green asparagus
1/4 cup corn-oil margarine
1/4 cup flour
1 teaspoon salt
One-eighth teaspoon white pepper
2 cups skim milk

Chicken bouillon cube dissolved in 1 cup boiling water

Soak onion in water for 15 minutes. In a medium saucepan, heat undrained asparagus. Transfer onion and asparagus (including its liquid) to an electric blender and whirl until smooth. In the medium saucepan over low heat melt the margarine; stir in flour, salt and pepper; off heat gradually stir in skim milk and bouillon, keeping smooth. Cook over moderately low heat, stirring constantly, until thickened and mixture comes to a boil. Gradually stir in asparagus mixture; reheat but do not boil. Makes 6 servings.

OYSTER SOUFFLE

36 medium oysters or 24 large oysters, shucked, cut in half, liquor reserved
3/4 cup hot oyster liquor
Salt and white pepper
A dash of cayenne pepper
3 tablespoons butter
3 tablespoons flour
3/4 cup hot milk
4 egg yolks
5 egg whites

Preheat oven to 400-degrees. Butter a 1 1/2-quart (6-cup) souffle dish.

Melt the butter in a heavy saucepan, stir in the flour with a wooden spoon, and cook over moderate heat for 2 minutes without letting the mixture color. Remove from heat. When the bubbling stops, pour in the hot milk and oyster liquor all at once, whisk vigorously until blended. Beat in the salt, pepper, and cayenne, return to heat, and bring to a boil, whisking for 2 minutes. Remove from heat and beat in the egg yolks. Gently stir in the oysters.

In a large bowl, beat the egg whites with a pinch of salt until stiff. Stir about 1/4 of them into the sauce to lighten it, fold in the balance. Pour the souffle mixture into the prepared mold, put in the oven, and immediately lower heat to 375 degrees. Bake for 30-35 minutes or until the souffle is well puffed and browned. Serves 4.

VEGETABLE-CHEESE SOUP

One 10-ounce package mixed vegetables frozen in butter sauce

1/4 cup butter or margarine
1/2 cup chopped onion
1/2 cup flour
1 3/4 cup milk
1/4 teaspoon salt
One-eighth teaspoon pepper
One 10 3/4-ounce can chicken broth (or 2 cups)
One 8-ounce jar processed cheese spread

1 1/2 teaspoons prepared mustard
Cook vegetables according to package directions. Meanwhile, saute onion in butter in a medium saucepan. Blend in flour, salt and pepper. Stir in milk gradually. Heat to boiling, stirring constantly. Reduce heat. Add remaining ingredients; heat thoroughly. Makes 5 cups.

BACON CORN

A tried and true combination.

4 slices bacon
1 small onion, chopped medium-fine
1/2 of a large green pepper, chopped medium-fine
12-ounce can golden corn kernels, drained

In a 10-inch skillet cook the bacon until crisp; drain on paper towels; crumble and keep warm. Pour off all but 2 to 3 tablespoons of the fat in the skillet; add the onion and green pepper and cook over moderate heat, stirring often, until lightly browned. Stir in the corn and heat. Serve sprinkled with the bacon. Makes 3 servings.

MEXICAN SALAD

Marinate membrane-free sections of oranges in a small amount of oil-and-vinegar dressing in the refrigerator. At serving time, line a shallow bowl with lettuce leaves. Mound orange sections in center and border with sliced radishes. Pass extra oil-vinegar dressing seasoned with chili powder.

Canadian-Style Bacon Makes Great Reuben

Canadian-style bacon will fill the sandwich order to everyone's satisfaction. In this recipe it makes the scene in a relative to the popular Reuben. Slices of this savory meat along with Swiss cheese, sauerkraut and nippy sauce are placed between rye bread. Broiling or grilling warms and blends everything together for a yummy sandwich, says home economist Reba Staggs.

REUBEN'S CANADIAN COUSIN

8 slices Canadian-style bacon
1/4 cup salad dressing
2 tablespoons chili sauce
8 slices large rye bread
4 1-ounce slices Swiss cheese
3/4 cup sauerkraut, drained
Butter or margarine

Combine salad dressing and chili sauce and spread on one side of each slice of bread. Place 1 slice of cheese and 2 slices of Canadian-style bacon on each of 4 slices of bread. Top each sandwich with equal amount of sauerkraut and a slice of bread (dressing side down). Spread top of sandwich with butter or margarine. Panbroil or grill sandwiches in small amount of melted butter or margarine until lightly browned. Turn carefully and continue cooking to brown second sides and heat through. 4 sandwiches.

Add a little vinegar to the water when an egg cracks during boiling. It will help seal the egg.

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Plan In Advance For Windbreaks

By R. ELMER OUDERKIRK JR.
Soil Conservationist
Cass County

There are many beautiful, effective farmstead windbreaks to be seen in Cass County. This is no accident. In past years you can bet the family farm that these windbreaks were first planned before they were planted.

Now is the time to start planning for next spring's planting to avoid unnecessary delays in site preparation, such as removing old fences or old dead trees, to obtain better selection of nursery stock, and to start planting just as soon as the frost is out of the ground to take advantage of the early spring rains and cooler weather to increase the survival rate. Also, by planting early, usually the trees can be planted before any amount of field work has to be started.

Plan Required

To assure that trees selected will be suited to soils of the site, and to assure proper spacing of trees and shrubs, a planting guide or plan is developed with technical assistance from Soil Conservation Service.

When Agricultural Conservation Program (ACP) cost-share is involved, this plan is provided to the Agricultural Stabilization Conservation Service Cass County Committee for considering applicants for cost-share assistance and allocating funds for windbreak approvals. The use of windbreak plans for ACP cost-share and planting compliance has been standard procedure for many years.

Eligibility for ACP

For a farmstead or feedlot windbreak to be eligible for ACP cost-share funds administered by the ASCS, the planting must have a minimum of three rows of coniferous trees such as firs, spruces or pines.

If desired, one row of shrubs can be substituted for one row of trees, but the remaining two rows of trees must be planted side by side.

Generally, when space is available, we recommend a four- or five-row windbreak to provide additional protection to livestock and feeding operations, and enhance the use by song birds, pheasants, and other wildlife.

Farmers who intend to plant

windbreaks in Cass County next spring are urged to make appointments at the SCS Office for planning assistance.

Larson Recalls Saturday Visit

By CHESTER LARSON
Of Griswold

As a young lad living on a farm in Montgomery County, Saturday night was the big night of the week during the busy seasons on the farm. A farmer had little spare time, except in the evening or rainy days to deliver eggs and cream to the produce station, and buy a week or two supply of groceries.

On Saturday nights the stores and stations stayed open as long as people stayed in town, possibly 11 o'clock.

Kids looked forward all week long for Saturday night and the trip to town for a chance to spend their meager allowance of a nickel or dime. Some parents were more liberal with their allowance, or paid for certain jobs well done.

Kid fare was usually small sacks of bulk candy, and pop or ice cream cones in summer. Strawberry was many a kid's favorite drink. Coke and Pepsi were years in the future.

Drug stores sold fountain drinks of fruit flavored carbonated water, as well as ice cream in dishes or cones. Five cents would buy as much as 35-50 cents will today. I always liked it when my parents went in the drug store before going home for their little treat, and I got in on that also.

The first trips to town I remember were in a one-seated top buggy pulled by two big work horses four miles to town. It took almost an hour. I sat on a folding stool at my parents feet while mother held my baby brother, Russell.

Buggy seats were narrow for two adults, and floor space was also limited. We usually had a case of eggs and a can of cream tied on the back. The egg case and three-gallon cream can held the purchased groceries on the return trip.

Some families used a more roomy spring wagon or box wagon. A few elite folks had a two-seated carriage with a fringe on top.

In the spring of 1917, Dad bought his first Henry Ford touring car, and my brother

and I held down the back seat. The left side running board was rigged up with a carrier for hauling produce.

Staple groceries were bought

with the produce money, as well as other farm and personal needs. Thrifty farmers tried to sell enough produce to pay all farm expenses, and used their

corn and hog income to buy an adjoining 40 acres of good Iowa farm land. This was considered progress, rather than a higher standard of living.



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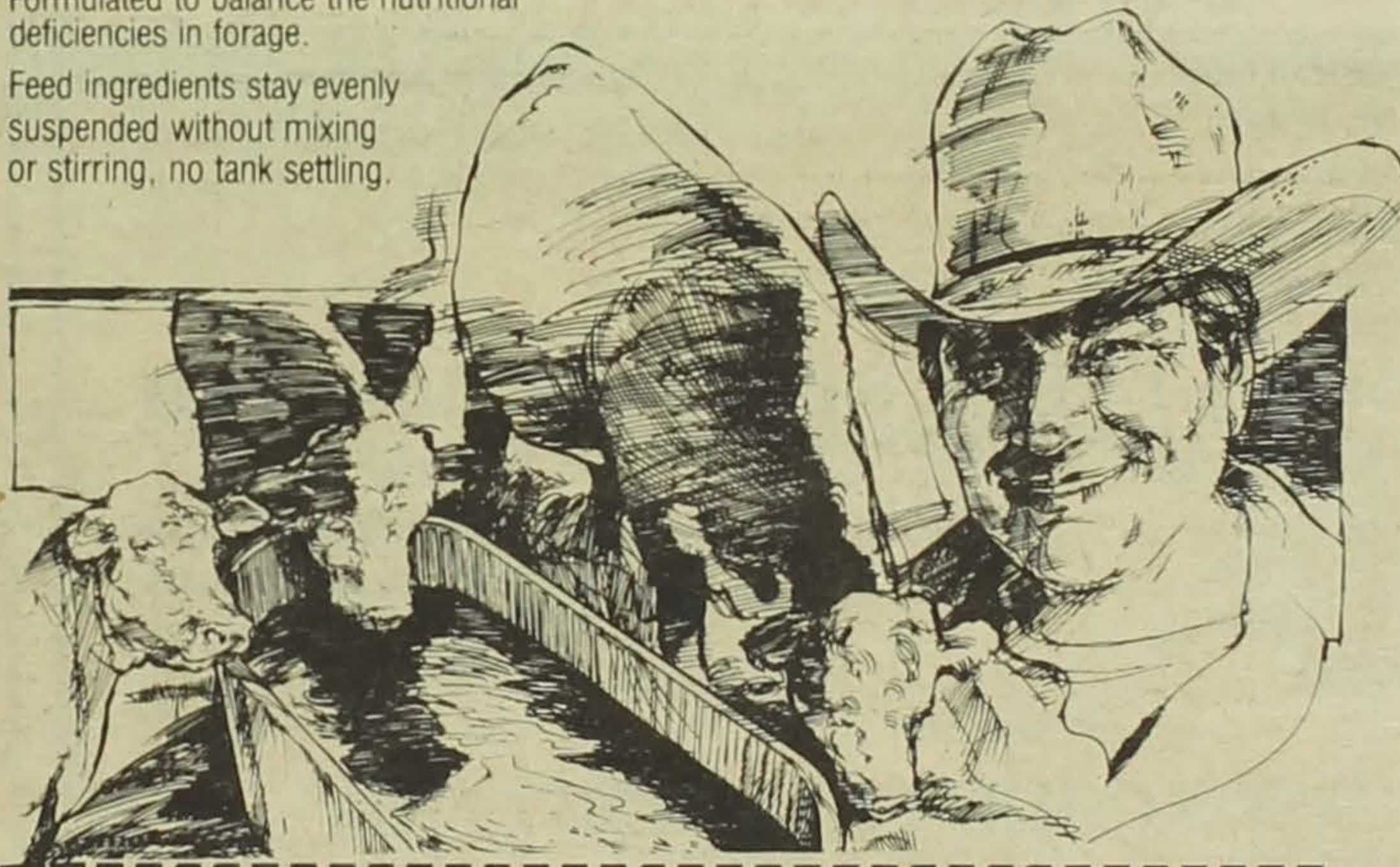
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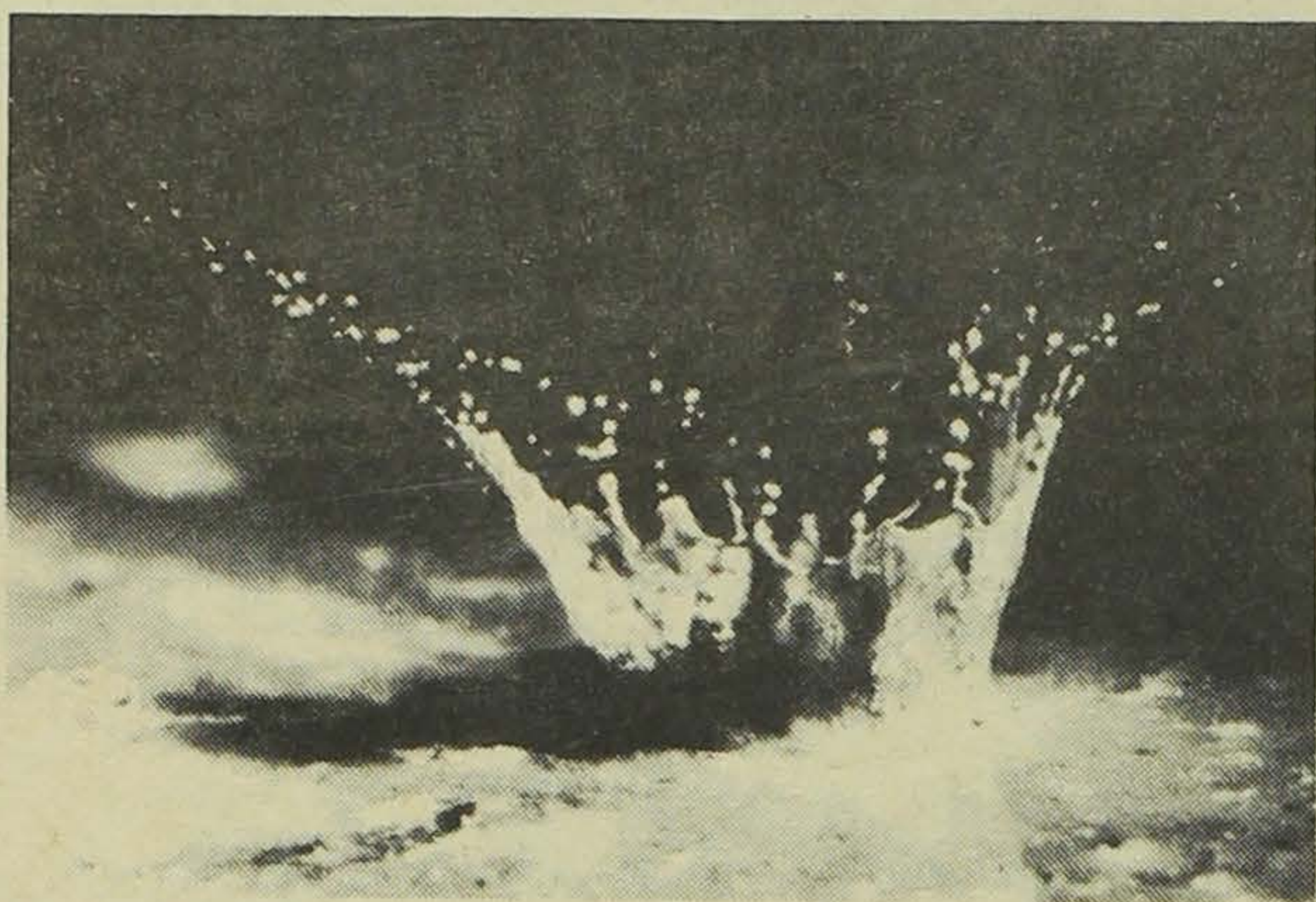
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SOIL CONSERVATION

SOIL CONSERVATION DISTRICT PERSONNEL

Carolyn Wilson District Clerk
Gary Wolfe State Aide

USDA — SOIL CONSERVATION SERVICE (SCS)

Bill Willis District Conservationist
R. Elmer Ouderkirk Jr. Soil Conservationist
Kirk Petersen Soil Conservationist
Gene Eyberg Soil Conservation Technician
Duane Ortgies Soil Conservation Technician

EXTENSION SERVICE

A. Daniel Merrick County Extension Director
LaVon M. Eblen Extension Home Economist
Mary E. Ottmar Ext. 4-H and Youth Leader
Bev Gunderson Office Assistant
Sondra Jensen Office Assistant

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (ASCS)

Elaine Martens County Executive Director
Marilyn A. Smith Feed Grain, Compliance
Sharon L. Boken ACP and Price Support
Jamie Young Facility Loans & Administrative

ASCS COUNTY COMMITTEE

Richard Follmann Folmer Nelsen Robert McLaren

FARMERS HOME ADMINISTRATION (FmHA)

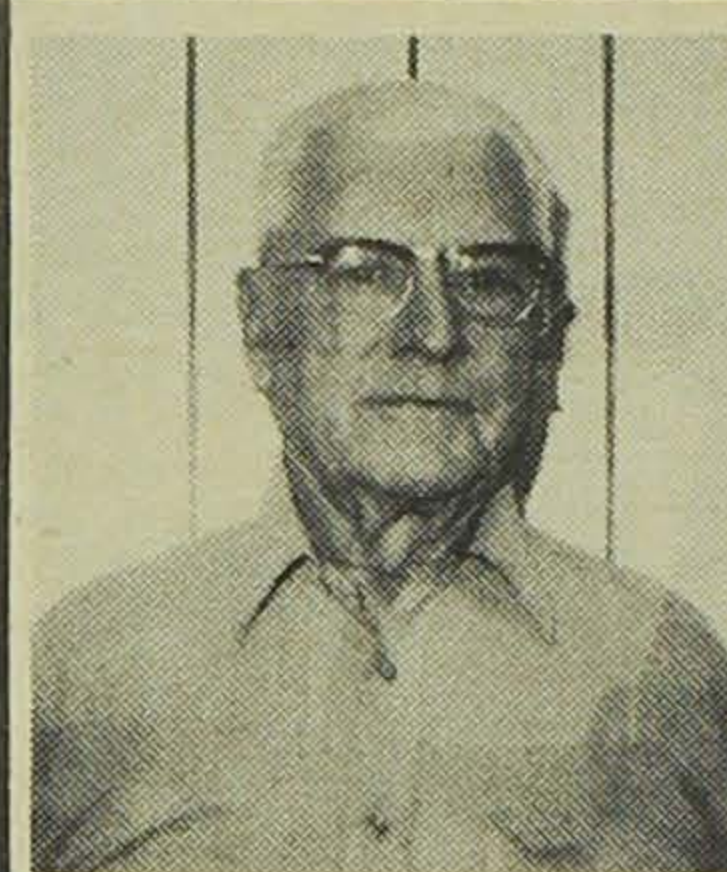
Alan E. Seehusen County Supervisor
Carol McDonald Assistant County Supervisor
Deloma Bintz Assistant County Supervisor
Madonna Nisson County Office Assistant
Joni Perdue County Office Clerk
Laurie Russmann Emergency Loan Clerk
Gary W. Ludington District Director
Forrest D. Vermillion Asst. District Director
Shirley A. Winston District Loan Assistant
Diane Larson District Office Clerk
Marvin Eblen Construction Inspector

FEDERAL CROP INSURANCE

Chuck Fillinger District Director
Carol Michaels Office Assistant

1984 ANNUAL

CASS COUNTY SOIL CONSERVATION



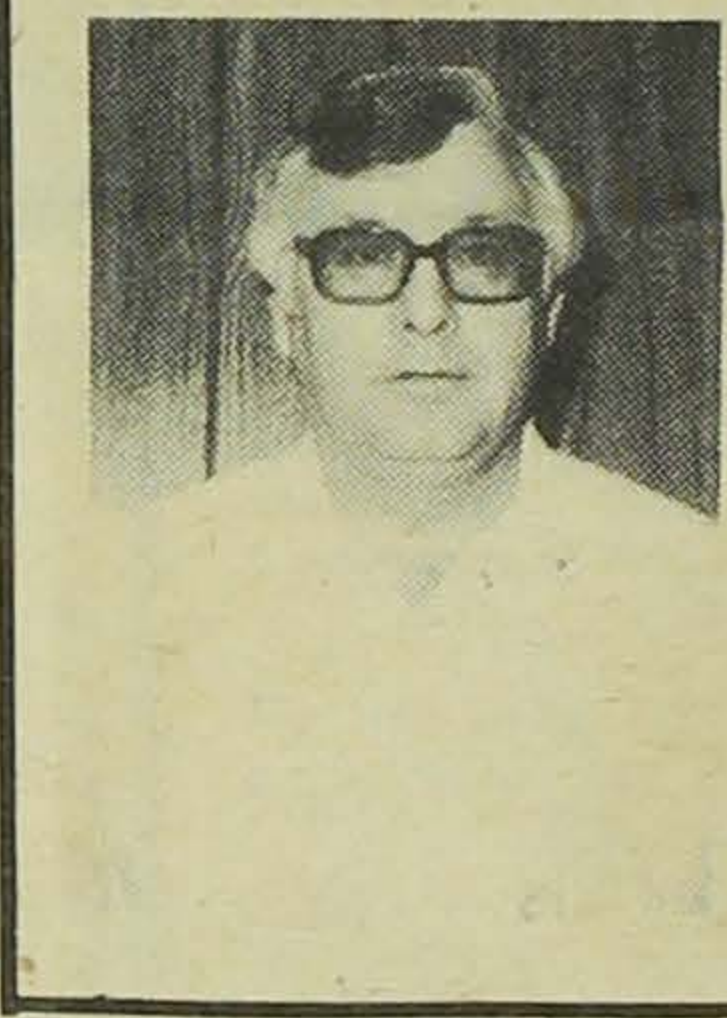
Gilbert Wehrman

Assistant Commissioner; active in SCD efforts to maintain existing watershed structures; recipient of the Omaha World-Herald Certificate of Merit — 1979; former District Conservationist for Cass County; Soil Conservation Society of America member.



Wendell Pellett

Assistant Commissioner and State Representative; District Commissioner for 18 years, and Assistant Commissioner for the past 13 years; Past Director of the Iowa Association of Soil Conservation District Commissioners (3 years); Member of the State Soil Conservation Committee (8 years); Outstanding ISU Alumni; Sta Soil Conservation Committee Award.



Duane McFadden

District Commissioner since 1983; actively involved in the promotion of the use of no-till on cropland for erosion control, and uses no-till on his own land. He is involved in farm machinery sales and is a well informed spokesman for no-till equipment with multi-county contact with land users.



Bill Fudge

District Commissioner since 1980; Assistant Commissioner — 1974 to 1980; Goodyear Award — 1970; Iowa Conservation Award — 1960; Omaha World-Herald Certificate of Merit — 1978; Outstanding Commissioner Award — 1984.



AL REPORT

CONSERVATION DISTRICT



Tom Magill

Assistant Commissioner for the last 3 years; District Commissioner for 6 years; Member of the Cass County Conservation Education Committee; Member of the Cass County Conservation Board.



George Hosfelt

District Commissioner; Commissioner since 1952 (32 years); Outstanding Commissioner Award — 1958; Outstanding Commissioner Award — 1976; Statewide Outstanding Commissioner Award — 1976; Honorary Member of Iowa Association of Soil Conservation District Commissioners — 1977; Omaha World-Herald Certificate of Merit — 1979.



G.M. Baier

District Commissioner for 15 years and Assistant Commissioner for one year; Outstanding Commissioner Award — 1983; Alternate Delegate to the Iowa Association of Soil Conservation District Commissioners; Chairman — Cass Co. RC&D Committee; Sec.-Treas. of Golden Hills RC&D Executive Committee.



Max Miller

District Commissioner since 1964; Assistant Commissioner for four years; Region 5 Outstanding Commissioner Award - 1981; Member Cass County RC&D Committee; Cass County delegate to Land Preservation Policy Committee.

SCS Office Staff

Front row, left to right: Gene Eyberg, Carolyn Wilson, Kirk Petersen and Elmer Ouderkirk. Back row, left to right: Gary Wolfe, Duane Ortgies, and Bill Willis.

ACCOMPLISHMENTS

New Cooperators	No.	25
Landowners Requesting Assistance	No.	318
Landowners applying a Practice	No.	202
New Conservation Plans	Ac.	5171
Iowa 2000 Folders	Ac.	12,034
Terraces	Ft.	166,250
Tile Drainage	Ft.	66,639
Grade Stabilization Structures	No.	8
Grassed Waterway	Ac.	8
Contouring	Ac.	10,063
Conservation Tillage	Ac.	16,325
Farmstead & Feedlot Windbreak	Ac.	3
Wildlife Habitat	Ac.	82

EXPENDITURE OF FUNDS

1-M Budget

Allocation	\$3,064.54
Commissioner mileage	\$2,352.63
Office supplies and expenses	642.41
Printing	69.50
Total	\$3,064.54

3-M Budget

82-83 Allocation	\$69,084.37
Cost-share warrants paid	\$68,475.37
Released to the state	609.00
Total	\$69,084.37

83-84 Allocation	\$67,945.00
Cost-share warrants paid	\$64,421.94
Work started but not complete	770.00
Released to the state	2,753.06
Total	\$67,945.00

83-84 Ia. Soil 2000 Allocation	\$60,000.00
Cost-share warrants paid	\$54,588.09
Released to the state	5,411.91
Total	\$60,000.00

84-85 Allocation	\$111,712.00
Cost-share warrants paid	\$38,537.59
Work started but not completed	22,986.90
Unobligated funds	50,187.51
Total	\$111,712.00

83-84 No-interest Loan Allocation ...	\$14,394.00
Cost-share warrants paid	\$14,000.00
Unobligated funds	394.00
Total	\$14,394.00

84-85 No-interest Loan Allocation ...	\$11,038.00
Unobligated funds	\$11,038.00

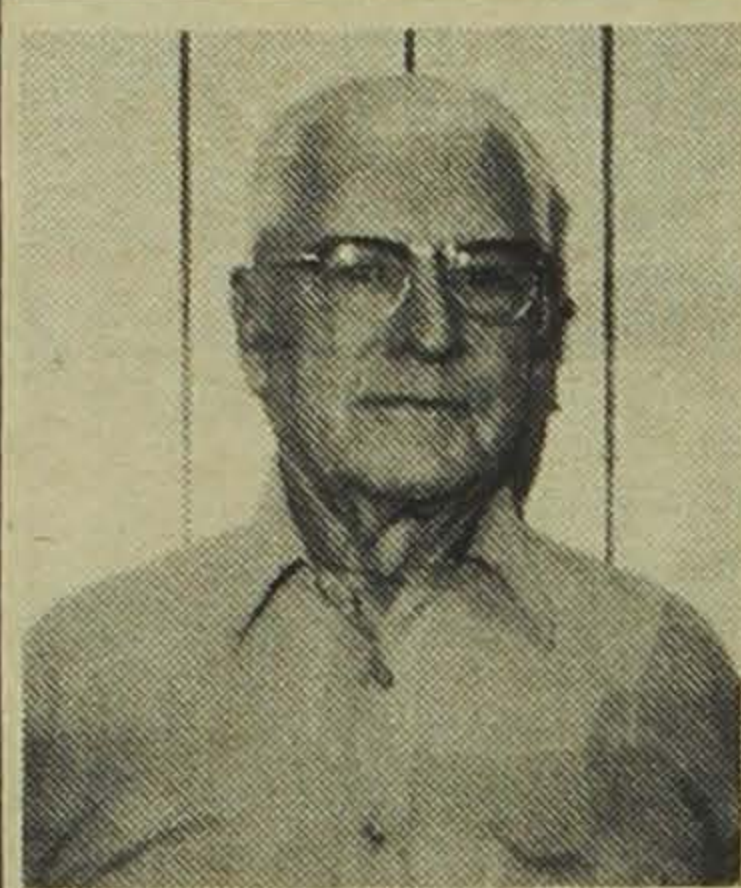
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- ✓ First Whitney Bank & Trust
- ✓ Farmers Savings Bank of Massena
- ✓ Union State Bank, Bridgewater & Greenfield

“Thank You”

1984 ANNUAL REPORT

CASS COUNTY SOIL CONSERVATION DISTRICT



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HOUSEHOLD INVENTORY
WASHINGTON (AP) — It is a good idea to keep an inventory of household goods to show the insurance adjuster in case of a burglary, fire, flood or other misfortune, say insurance industry experts.

Individuals can get an inventory form from their insurance

company, or they can make up their own.

Whichever form you use, include your credit card account numbers, appliance serial numbers, crystal and china patterns and manufacturers, number of place settings and a full description of jewelry and other values.

Keep the list in a safe-deposit box or somewhere other than the house, they urge.

The dot-dash telegraph, once America's foremost communications system, is now little more than a memory, but many former telegraph operators are still around.

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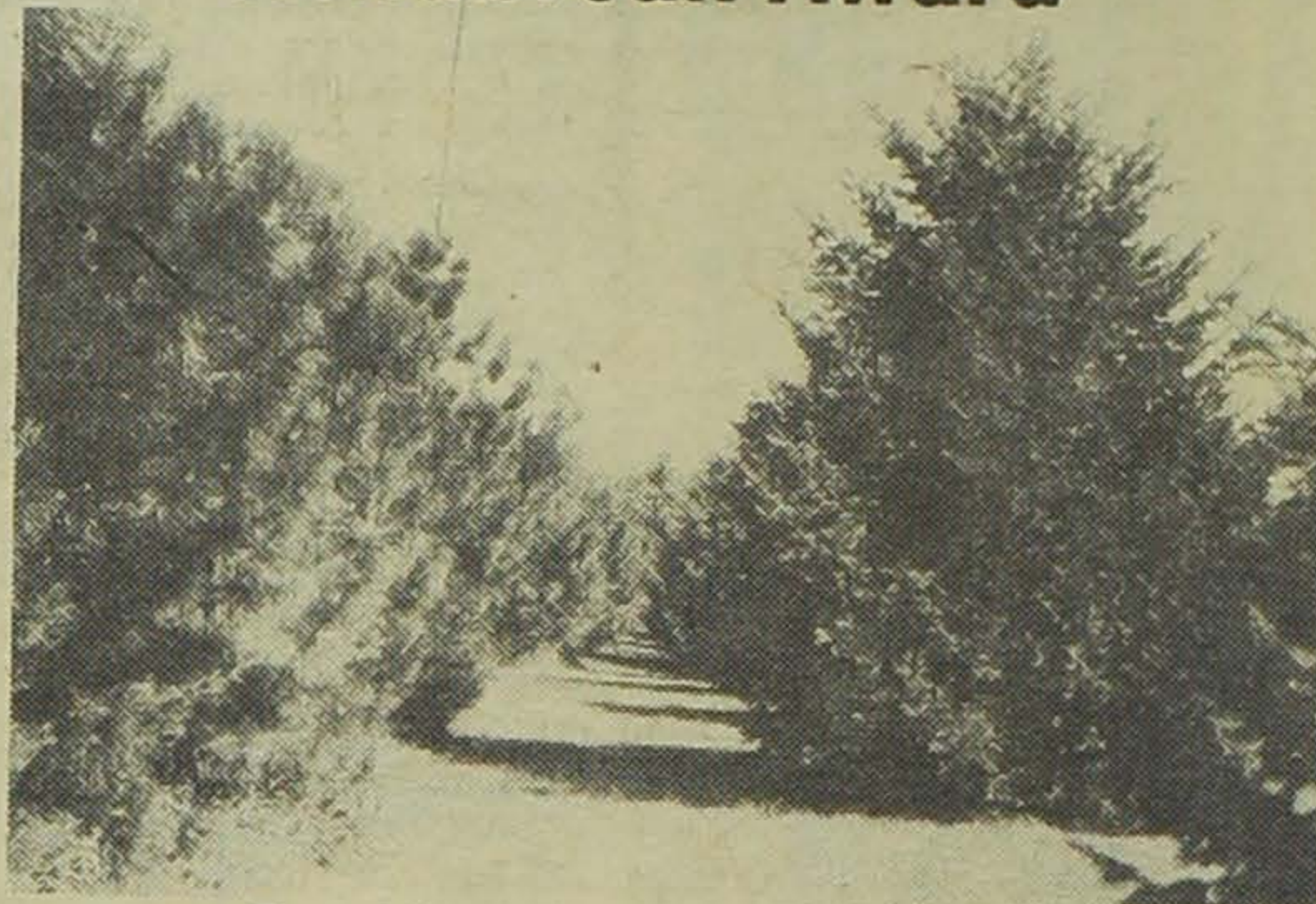


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Windbreak Award



Part of the windbreak on the Knop farm.



Mr. and Mrs. Calvin Knop receive award from G.M. Baier of the Cass County Soil Conservation District.

Mr. and Mrs. Calvin Knop received the 1984 Izaak Walton League District Windbreak Award.

The Knops planted windbreak in the spring of 1969. One reason Mrs. Knop favored planting the windbreak was for some privacy while working in her flowers and garden along U.S. 71.

On the other hand, Knop was seeking protection from blowing and drifting snow that piled up nearly every winter in his driveway and feedlots.

The Knops agree that they got what they wanted. In addition, they have been fascinated by

the number of song birds, pheasants and even prairie chickens that have inhabited their windbreak, which is a combination planting of Douglas Fir and honeysuckle.

The Izaak Walton League Windbreak Award program was started in 1977. The Iowa Division of the league sponsors the program to honor individuals for the planting of windbreaks and to encourage the planting of more windbreaks by Iowa farmers.

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Phosphorus	8%
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Salt, max	16%
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Vitamin E	200 IU/lb
Zinc	4%
Iron	4%
Copper	0.03%
Manganese	0.02%
Selenium	0.004%
Iodine	0.01%
Vitamin K	32 mg/lb
Vitamin B-12	3 mg/lb
Riboflavin	33 mg/lb
Niacin	320 mg/lb
Pantothenic Acid	150 mg/lb
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Yet most premixes like this are sold for \$14-20/bag at mark-ups of 300% or more!

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Call Harry Jones at (712) 374-3275, or our home office today at (308) 773-2278 for more information!



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FOR SALE: Duroc boars by sire of our two reserve barrows of Nebraska state fair and Iowa State 4-H show, Harlan Duroc acres, Jacksonville, 779-4255. 3Dec.

FOR SALE: Square bales alfalfa hay, no rain. 721-779-3500.

FOR SALE: Ford 400 tractor and 560 International. 243-2816.

FOR SALE: 40 spot Duroc sows to farrow February. Charles Whetstone, Casey, 515-746-2501.

Volunteers Donate \$4.5 Billion Worth Of Their Time

If communities had to pay for the services provided by volunteers working with the Cooperative Extension Service, they would have to spend more than \$4.5 billion a year nationally.

The dollar value of volunteer time is over five times greater than the entire Cooperative Extension budget, according to preliminary findings of a study by the University of Wisconsin-Madison Department of Continuing and Vocational Education.

★ FOR SALE

FOR SALE: Registered Angus bred cows, large frame, complete records. Heifers, only top ones left. Bulls, weaning weights, 630-565. Borkowski Angus Farm, Elliott, 712-767-2539.

FOR SALE: Buffalo-till plateless center drive planter and buffalo-till flex cultivator. 712-744-3152.

FOR SALE: Firewood, \$45 pickup load delivered. 243-2495.

FOR SALE: Dressed capons and turkeys. 243-2495.

FREE kindling wood from a torn down house. Arnold Long, Grant 712-763-4320.

FOR SALE: Purebred York boars. Richard Richter, phone Anita 762-3808.

Cass County was one of the 10 counties in Iowa and 315 in the nation included in this study. At least one county from every state was contacted.

Cooperative Extension programs operate in almost every county through the cooperative effort of the United States Department of Agriculture, land-grant universities and county governing bodies in all 50 states and the territories. All county Extension agents work with volunteers.

First Study

"This is our first indication nationally of the full scope of volunteer activity and of the monetary value of time donated by volunteers," said study director Sara Steele, a professor of continuing and vocational education at UW-Madison. The study, funded by USDA and UW-Madison, is examining the benefit and impact of volunteers working with Cooperative Extension agents.

According to the study, approximately one in 80 Americans served as a volunteer in an activity with

Cooperative Extension. During 1983, almost three million volunteers spent more than 71 million days on such activities, or 51 days for every day of assistance given by an Extension staff member.

Main Jobs

Three-fourths of the volunteers were active in Extension 4-H, home economics, agricultural or community resource development programs, or were Extension Master Volunteers. Others worked with agents on special community efforts such as flood disaster relief, farm city tours, fingerprinting children, or fairs and events. Another fourth were volunteers from other community agencies or organizations, or individuals independent of any agency or organization.

The study found that more than 2.8 million volunteers helped to disseminate agriculture, home economics, community or youth development information from USDA or land-grant universities, reaching more than 48.7 million people. Some of the topics

included food for fitness, seed selection, weed and insect control, and consumer buying.

"The study's most immediate benefit will be to Extension staff and to volunteers by increasing understanding of the various ways they can work together," Steele said. "However, other agencies and volunteer associations are interested in the study because this is one of very few national studies looking at agency and volunteer relationships."

Consistency

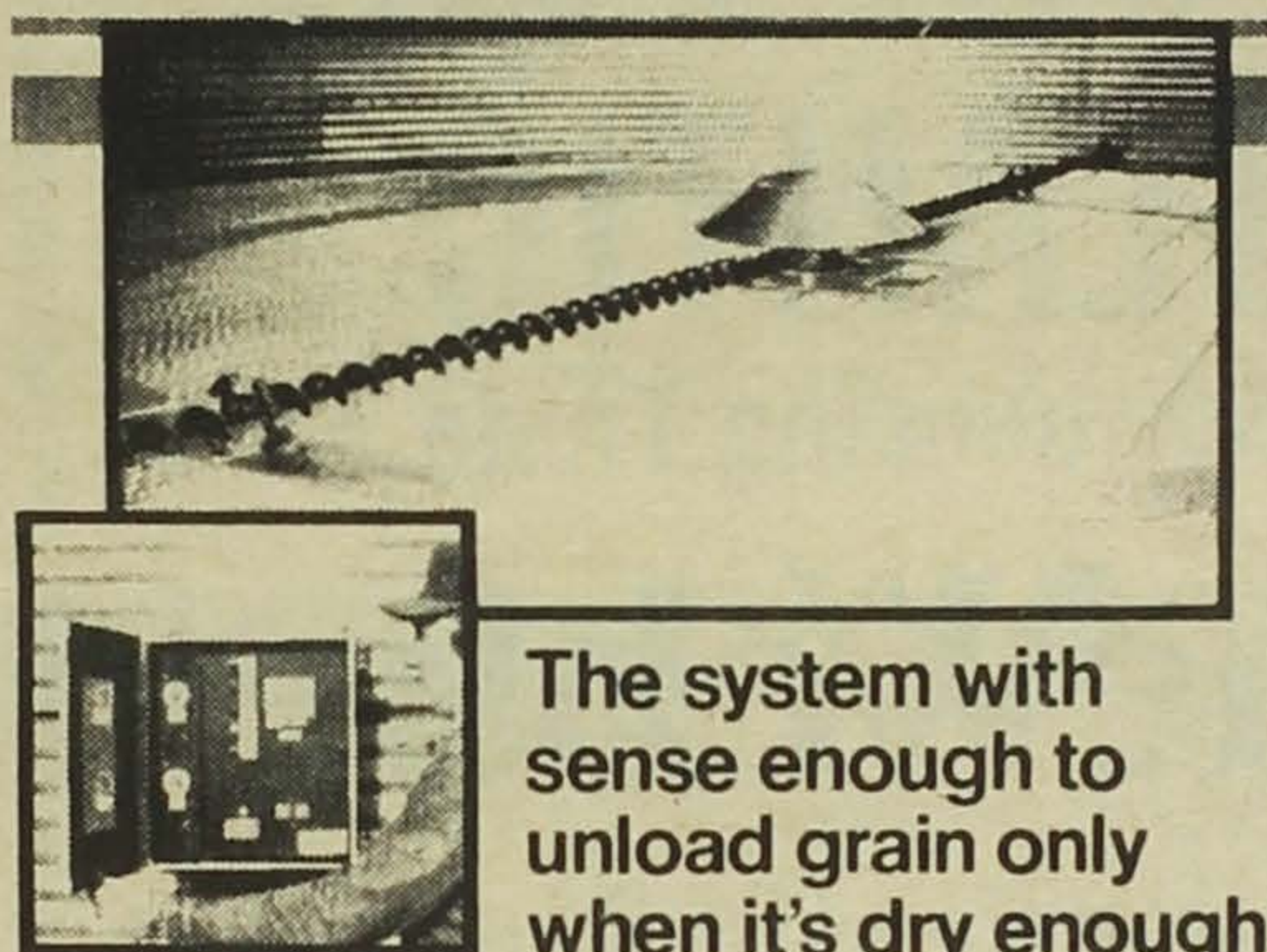
"Although we found some differences among counties and some unique activities, there was considerable consistency across the United States," she said. Counties in the study were a sample stratified by population.

In the study's next phase, researchers will interview 1,200 volunteers from the sample counties about their volunteer activities. They also will ask about the good and bad effects of their experience.

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Extension Echoes

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

Make Valentine Cards

Children can print their own designs on Valentine cards, using those foam trays that are packaged with meats and bakery products. Here's how:

Trim the raised edges off the foam tray. Then use a pencil or heavy stick to scratch a design on the foam. Or cut the foam into an interesting shape with scissors.

Next, roll water soluble block printing ink or acrylic paint across a plate or cookie sheet, using a hard rubber roller. This spreads the ink evenly on the roller. Then roll the wet roller across the foam design.

Place a sheet of paper over the painted foam and apply pressure evenly. Carefully peel the paper from the foam to reveal the printed design.

Furnaces May Be Hazardous

If you have a combination oil/wood furnace, check its manufacturing name and model number. The United States Consumer Product Safety Commission warns that some units made by Itasca Manufacturing Inc. of

Menahga, Minn., may present a carbon monoxide hazard.

The units were sold under the names Itasca Duo Model W0330 and Home duo Model W0320. The CPSC has received more than 100 complaints associated with cracks in the welds of the furnaces. CPSC indicates weld failure might allow carbon monoxide to escape into the home.

If you own one of these units, contact a qualified professional heating equipment installer to inspect the furnace for cracks. The inspector should pay particular attention to the top of the heat exchanger between the creosote collectors and around firebox doors.

The commission's toll-free hotline is 800-628-CPSC.

A Place To Sew

Machine sewing requires twice as much light as casual reading. So try to have adjustable lighting near your machine, behind and slightly to the left of the needle.

Also include general lighting. If you're near a window, place your machine so the light comes over your left shoulder.

For more information on creating a sewing center in your home, ask me for a publication called, "A Place to Sew."

Bed, Breakfast

Families in Iowa who provide bed and breakfast in their own

homes to paying guests aren't subject to licensing or inspection by the Iowa Department of Agriculture.

However, such "bed and breakfast" operations must agree to abide by the following limitations:

— Provide accommodations to not more than two families at once.

— Serve food to overnight guests only, not the general public.

— Require advance reservations for all overnight stays.

— Will not advertise as a hotel, motel or restaurant.

— Be sure household members are in the family home when accommodations are provided.

Need To Step Up Soil Conservation Work In Iowa

By MIKE NETHERY
State Conservationist
Of Iowa

Being relatively a newcomer on the soil conservation scene in Iowa, since last April, my concepts of the state come from my corn-belt background of my native state of Indiana, and my

associations from four years of soil conservation work in North Dakota.

Two facts are apparent after only a quick look at soil conservation efforts in Iowa. One is that the soil conservation teamwork of farmers, agencies, and groups has led to a great deal of progress in protecting the land against soil erosion, and Iowa's reputation as a soil conservation leader is well-deserved.

The second is despite the progress being made, the job in Iowa is so gigantic that every effort needs to be made to continue to quicken the pace of the application of soil conservation practices to the land.

High Erosion

Consider the fact that Iowa is ranked second in the nation in the number of acres of conservation tillage, and that more than seven million acres of cropland are protected against soil erosion.

But to offset that progress, consider that the most recent SCS national resources inventory shows that more than twice that amount, nearly 19 million acres, are eroding at amounts above "tolerable" levels. The study shows about 11 million acres are eroding at levels more than twice the tolerable amount of five tons per acre.

The average erosion level of 9.4 tons per acre per year on cropland is a strong signal that even more effort needs to be put

into soil conservation in this state.

Bright Side

On the bright side, Iowa continues to increase financial assistance, with more than \$8 million a year being offered in cost-share funding annually.

On the federal level, Iowans are benefitting significantly from the United States Department of Agriculture's plan to target funds to areas of the country designated as target areas, and thousands of dollars in technical help and financial cost-sharing have been allocated to those areas.

During 1985, the Soil Conservation Service and many other groups are celebrating 50 years of soil conservation in this country. The situation in Iowa is one in which we can all celebrate the progress that has been made, but also one that we can look at as a time to rededicate ourselves to the task that lies ahead.

1920 PRESIDENT

When Warren G. Harding was nominated for president in 1920, the Republicans ran a "front porch" campaign for him. Thousands of voters traveled to Marion, Ohio to meet Harding in his own front yard. He charmed the visitors with his jokes and was an excellent handshaker. The callers thought the train trip was worth while. Al Jolson was one of those visitors and even wrote a song for Harding.

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4-H Leader Of The Month

Kathee McCrory, eight-year leader of the Union Lucky Clovers 4-H Club, has been named 4-H Leader of the Month. She has served as project leader and organizational leader on the local club level.

Her club has been encouraging the use of committees in getting more members involved at club meetings. They are also working more with Junior Leaders to give them a leadership role within the club.

On the county level, McCrory has served as assistant superintendent of the Cass County Fair slides for three years, providing an accurate account of the activities that take place during the fair. She is starting her fourth year as a member of the County 4x5 Youth Committee and served as chairman last year.

McCrory started a career in 4-H as an eight-year member of the Exira Clover Club in Audubon County. She carried food and nutrition, clothing and home improvement projects and remembers giving "team demonstrations" at county fair. She also enjoyed the fellowship of the other 4-H'ers.

McCrory gets just as excited over her member's ribbons and accomplishments as they do. When they are pleased with what they have done, it also pleases her as a leader.

She enjoys being a 4-H leader because, "I enjoy working with kids and I feel I learn as much from them as I am able to help them learn."

She feels 4-H is "a very



Kathee McCrory

worthwhile organization. Our kids need a stable background and 4-H is able to provide this."

She and her husband, Jerry, farm in Union Township. Both have been active in Pork Producers and Porkettes. They have two children, Amy and Bill.

BRONZE RELIEF

LOS ANGELES (AP) — The Italian Baroque bronze relief "Triumph of Neptune and Europa" by the Florentine sculptor Antonio Montauti was recently acquired by the Los Angeles County Museum of Art.

The museum says the work is "considered the finest Italian Baroque bronze relief in this country," and was probably executed between 1735 and 1740.

OIL IMPORTS DOWN
BARTLESVILLE, Okla. (AP) — Oil imports have fallen more than 40 percent, from 8.4 million barrels a day to fewer than 5

million barrels a day, since decontrol of the U.S. oil industry was begun in 1979, reports Phillips Petroleum.

Though conservation and the economy have played a role in

the decline, decontrol has helped boost domestic oil production and reduced the nation's dependence on foreign sources, the company says.

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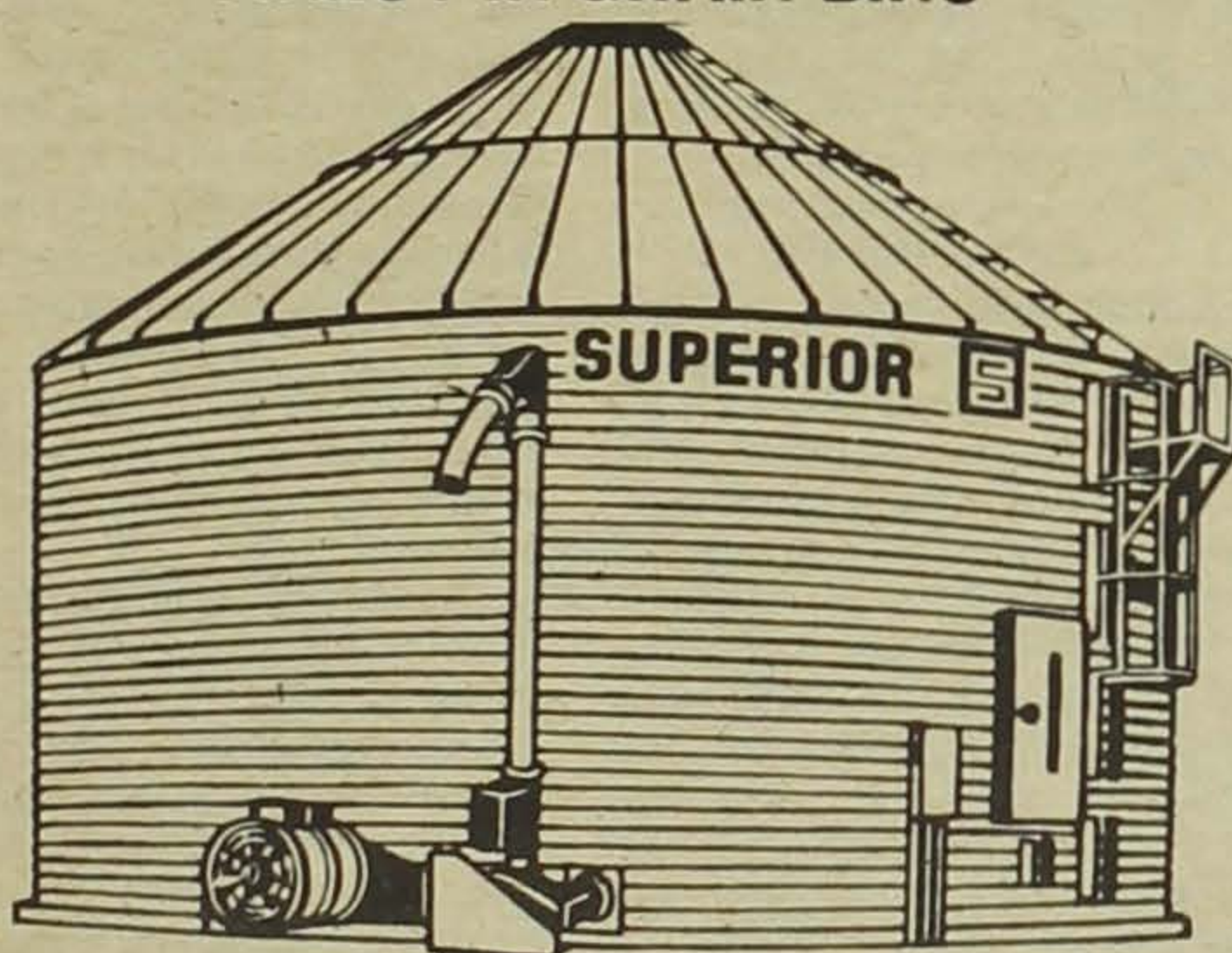
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TURKEY

LATHAM, Kan. (AP) — He flew in from the east one hot summer day, took a look around and decided to stay. Now this town of 148 is his.

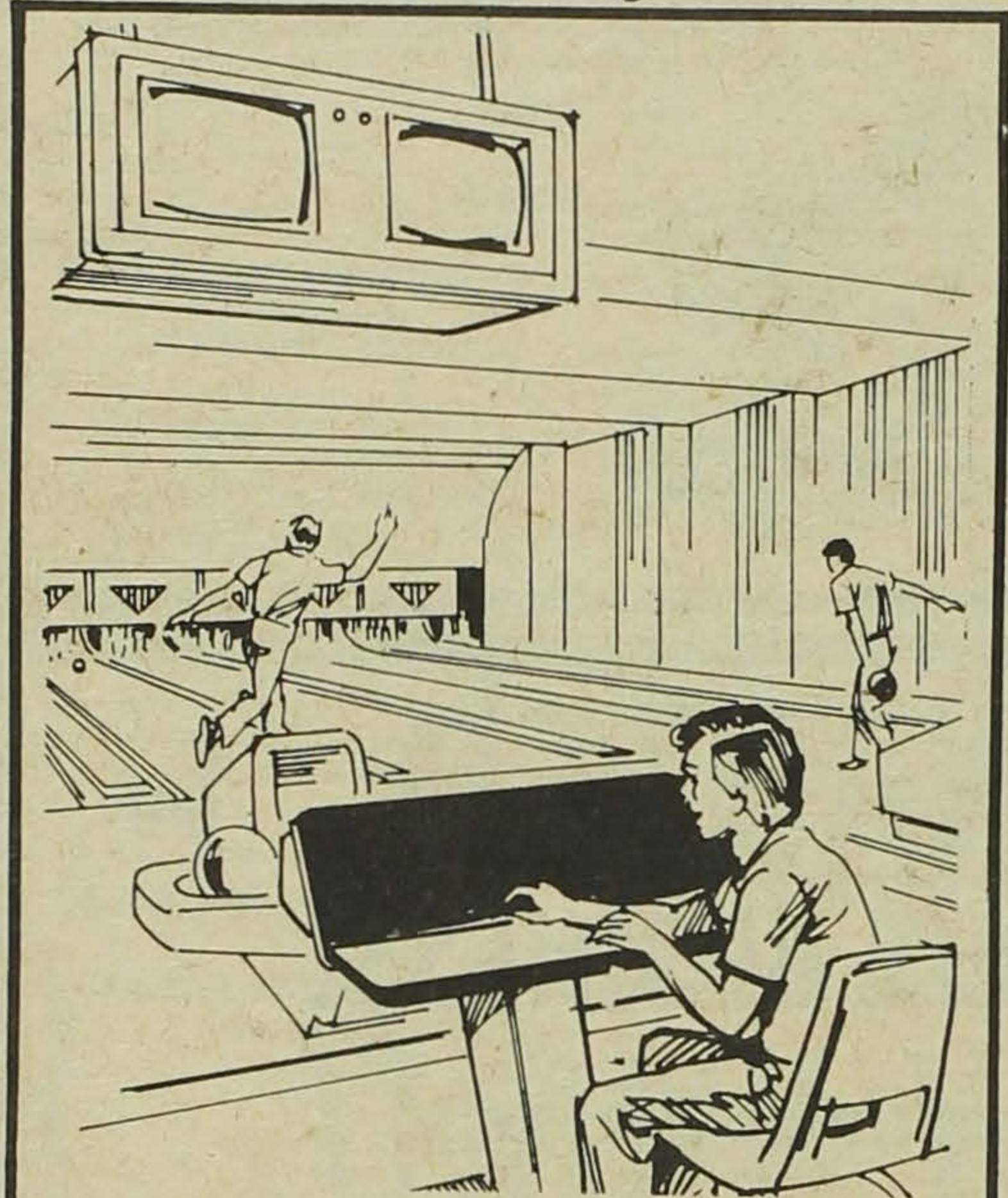
Cars come to a halt when he walks down the street. Townsfolk wear his portrait on their chests and talk of Thanksgiving is a taboo.

"We haven't named him. He's just the town turkey. Our turkey," says Sue Warner, who

owns and operates a cafe here with her husband.

The wild bird, who can partake of grain and water at several choice spots in town, has aroused something special in the town's residents. "This turkey is a gift," says one. "It's taught us a lot about tolerance. I think it has taught us about being civilized. We're the animal that's out of balance."

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State Agency Outlines Cass County Project

(Editor's Note — The Iowa Conservation Commission provided the following information about its programs in Cass County during 1984.)

Fish Stocking

Several ponds were inspected and approved for stocking in 1984. The Iowa Conservation Commission stocks new or fish-free farm ponds free of charge to landowners. Ponds are stocked with largemouth bass, channel catfish and bluegill.

Ponds must meet the following criteria:

- 1 — New or renovated and free of fish.
- 2 — Surface area of at least half an acre.
- 3 — Maximum depth of at least eight feet.
- 4 — Fenced to exclude livestock with a minimum of 60 feet grass buffer between the pond and fence.

While landowners do not have to allow the public access to fish the pond most pond owners grant permission to those who ask.

Aerial Deer Census

Wildlife biologists surveyed more than 2,000 acres of forested and brushy cover in 1983 by airplane. This was the second aerial deer survey of the county. The survey is flown

following the deer season after heavy snowfall has covered old deer beds, logs and stumps that could be mistaken for deer from the air. The survey continues to be an important population monitor for the deer herd in the county. More than 100 deer were counted in the 2,000-acre survey.

Native Prairie Area Documented

The most significant native prairie area in the county was documented in 1984. The prairie is located on the Clarence Wiechman farm. He has been an excellent steward of the pristine area. The 20-acre prairie is of a quality unsurpassed. It hosts a constant supply of native wildflowers, forbs and prairie grasses. It is a gem.

The area has been documented by the Iowa natural areas inventory team of the Iowa Conservation Commission. The ICC plans to assist Wiechman with a prescribed burn on a portion of the prairie this spring. Burning was a natural part of the native prairie, necessary for the recycling of nutrients, control of brush and releasing of some fire adapted prairie plants. The farm also has excellent stands of switchgrass.

Wildlife Plans

Wildlife plans were completed for Walter McCurdy and Rich Sheers in 1984 as landowners "set aside" a place for wildlife.

The old saying that "habitat is the key to wildlife" was never more true as the economic demands placed on the farm continue to take their toll of protective cover so essential to wildlife.

Tree Planting

Twenty-eight landowners purchased more than 16,000 trees for spring planting in 1984. The commission's nursery in Ames provides trees and shrubs for landowners at a special conservation price.

In 1985 a backyard package of beneficial trees and shrubs will be available. Applications may be picked up at the Soil Conservation Service office or from the wildlife biologist.

Tax Exemptions For Wildlife Habitat

Almost 200 acres in Cass County is being protected by landowners who are receiving a property tax exemption after setting aside areas as wetlands, forest cover, native prairie or wildlife habitat.

In agreement for receiving tax exemption, the landowner must agree to maintain the area without grazing or any economic return. The landowner is in effect "preserving" the area for the future.

Toy Soldiers

NEW YORK (AP) — They may be considered toys by the rest of the world, but growing numbers of individuals who collect and trade miniature toy soldiers take the whole thing seriously.

"It's finally become a respectable hobby and a respectable type of business," said Martin Ritchie, a collector and maker from Pelham, N.Y.

Ritchie says that for a long time, most people were "closet collectors and wouldn't admit they did it." Now, however, collecting toy soldiers has become more lucrative.

Part of the popularity of the hobby can be traced to the owner of the world's largest collection of toy soldiers — Malcolm S. Forbes, the publisher. In 1978, the Forbes Museum of Military Miniatures opened in Tangier, Morocco, housing more than 70,000 lead and tin figures.

Free Services From District SCS Office

By MAX H. MILLER
District Commissioner

The Cass County Soil Conservation District provides many services to landowners free of charge. In cooperation with Soil Conservation Service, an agency of United States Department of Agriculture, landowners can receive from the district office, assistance to solve problems related to soil conservation.



Max Miller

The district's programs deal with the broad categories of planning, engineering, and financial assistance. Specifically, these programs are:

Conservation planning — The district will assist any landowner to prepare a conservation plan for all or part of his or her land. A recent sidelight to this has been the Iowa 2000 Conservation folder approach. Planning may be expanded to watersheds or to smaller areas such as the new Massena Lake project.

Conservation engineering — The district provides the layout, design, and necessary construction inspections for individual conservation practices. These practices may include terraces, stripcropping, contouring, ponds, gully control structures, windbreaks, no-till systems, pasture management, and much more.

Financial assistance — The district administers the state cost-share program to pay up to 50 percent of the cost of terraces and diversions. This is separate from the federal Agricultural Conservation Program. In addition, the district also works with a low-interest loan program for such items as no-till planters, and a no-interest loan program to do conservation work.

The district maintains an educational program, in the form of the Cass County Environmental Education Committee. In cooperation with the Cass County Board of Supervisors, the district maintains existing watershed structures such as those built in Turkey and Troublesome Creek watersheds.

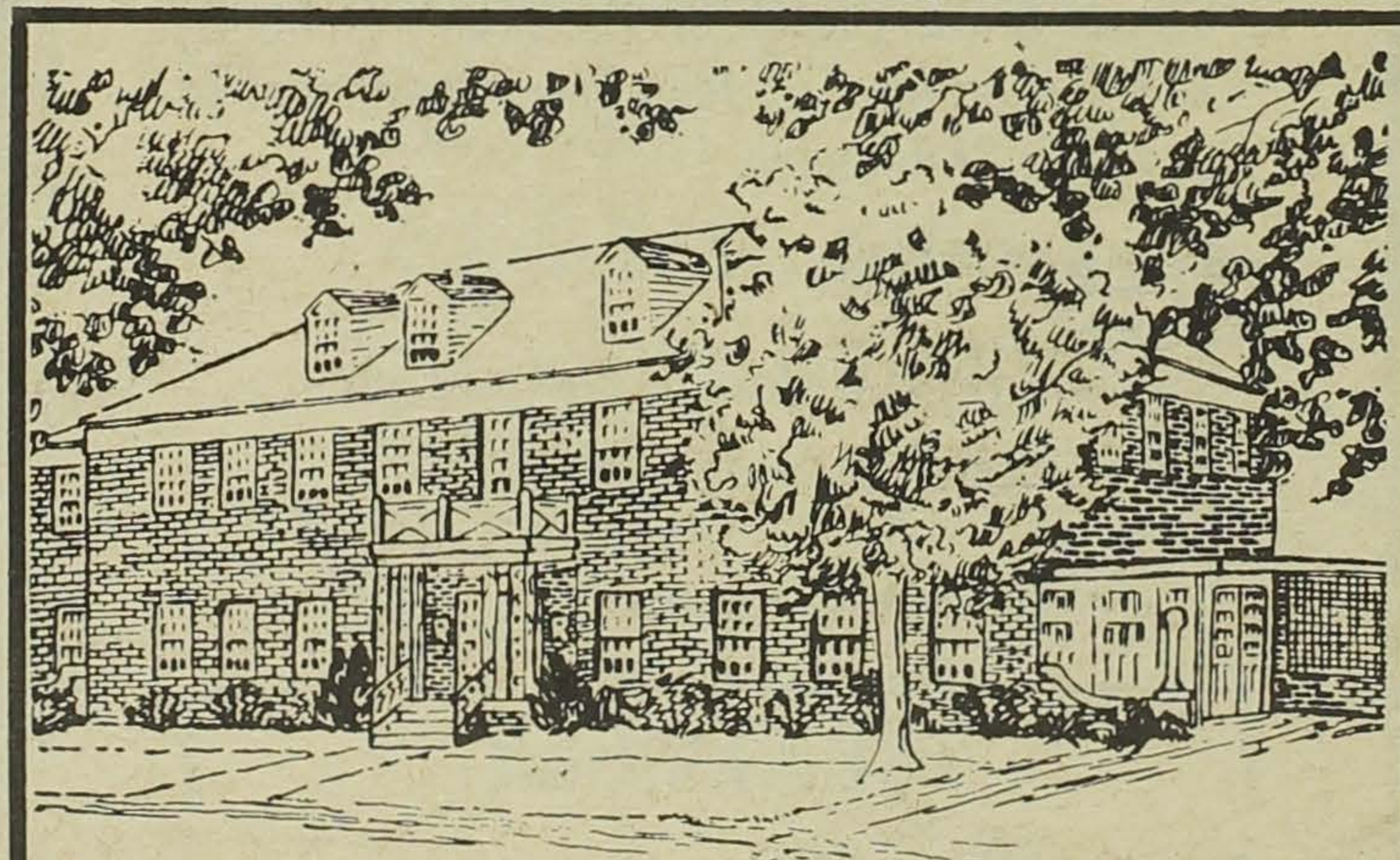
The services are free to the people of Cass County. Every county in Iowa, has an active, organized district to provide these same services.

We encourage everyone to take advantage of the services offered by the District. It's the best way we know to conserve our soil and maintain production.

IOWA CATTLE

Iowa cattlemen had 805,000 cattle and calves on feed Dec. 1, 1984, for slaughter market, down 15 percent from December 1, 1983. Placements of cattle and calves on feed during November totaled 295,000 head, 8 percent below a year earlier.

Grain feed cattle marketings totaled 146,000 head during November, down 32 percent from the previous year.



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18 Months

9.00%

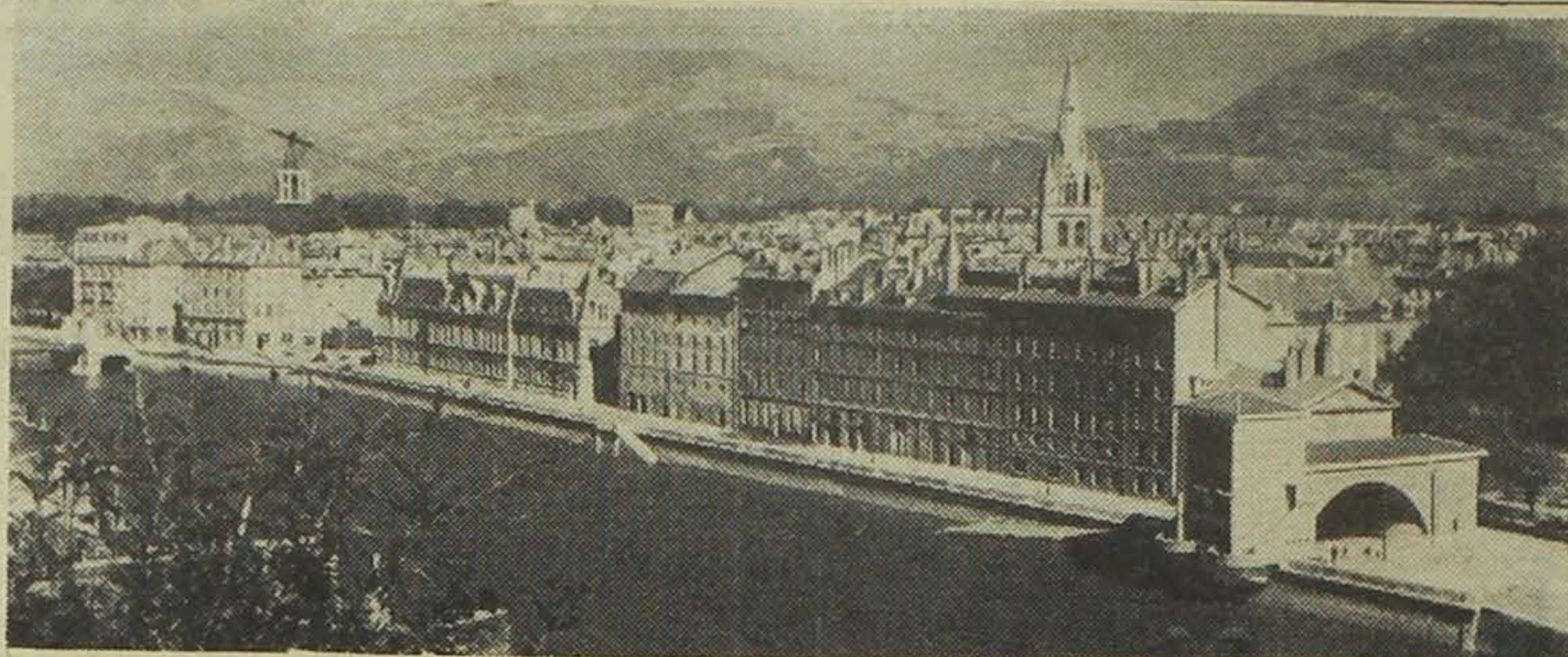
1 Year

8.45%

6 Months

8.30%

3 Months

**Grenoble, France**

This picture of some of the large buildings along the waterfront in Grenoble, France, was taken from a postcard in the collection of Gene

Mallette of Atlantic. He tells about visiting Grenoble in his "40 Years Ago With Company K" column during World War II.

40 Years Ago With Company K

By Gene Mallette of Atlantic

In our second day in France, we were noticing all of the chateaus and the large homes, no doubt belonging to rich people. Most all of them were damaged by the shelling and the bombing that took place before the first troops landed on the beaches.

We did see a few French women and children huddled together under a railroad bridge, but other than these there did not seem to be any civilians around.

There were some Frenchmen that landed with us so that they could talk to any civilians that they could find to ask them about the Germans that had been there as to numbers, what units they belonged to and what kinds of weapons and equipment that they had with them.

As the sun started to come up that morning — and we were glad to feel the heat from the sun — orders came to us that the 36th Division Headquarters was moving a few miles north-east to a town named Frejus.

There we found a house that had been damaged by artillery and the people that had lived there were staying with some friends, so we moved in and cleaned it up and started our generators and radios and made ourselves at home.

By this time, a little over 24 hours after the invasion had started, and from all reports that we were getting over our radios, the beachhead was well established and the forward infantry was meeting with only spotty resistance here and

there, and were continuing to move farther from the landing site.

Little Resistance

Late the second day we were getting a clear picture of how things were shaping up, and the infantry was moving ahead with less and less resistance it seemed with each passing hour. At times there was no opposition at all.

From intelligence reports of German SS troops, we learned that German Agents in Algiers and Naples had radioed to the Germans in Southern France that invasion fleets had left those port cities and were traveling in the direction of France.

So they knew that we were at sea and on our way to Southern France and they were prepared for us to land in the Rhone River Valley which would have been 30 or 40 miles west of the city of Marseilles.

They had not expected us to land at the edge of the mountains on the French Riviera, so because of this we had a comparatively easy time of it. We had caught them off guard and we had drawn them out of their prepared defenses into the open to meet us on somewhat equal terms.

The beaches and area that the Germans thought we would land, were very heavily mined just before they estimated the time our invasion would start.

Snipers

Since my friend John Ochotnicki and I were off duty for a few hours we decided to go to Frejus to see what a French town looked like. We were told that we must go armed since there were reports that there were still some German snipers in the town. On the street that we were walking, sure enough there was a sniper up on the top of a building, but he did not fire in our direction. We moved over to another street and let the MPs (Military Police) take care of that situation since that was part of their job.

All of the town people seemed to be standing around on the street corners talking about the Americans being there.

It was not long until we saw a group of German POWs being marched down the middle of the street. I spent more time watching the French than I did the German soldiers. The French would spit at them and curse them as they went by, you could see the hate in their eyes.

We looked at the time and could see that we needed to get back to take over our shift on the radios. We would also need to eat first since it would be late in the night before we would be off duty.

The days seemed to pass quickly since we were very busy and were often on the move. With so much troop

movement, the different units were relying more and more on radio for their communications. We did not stay in one location long enough to lay telephone lines which they like to do since that kept all telephone communication away from the German intelligence.

French Food

We were moving so fast to the north that our supplies of food and gasoline could not keep up with us. We did not mind since we were using German gas and the French were feeding us. This was a pleasant change from the cold canned rations which seemed to be what we were getting most of the time. The reason that we were using German gasoline was that we moved so fast that they did not have time to destroy the supplies before we took them over.

German resistance seemed to be lessening as we came to the town of Vif, located in south central France. Because of this, the different units just went forward until they met some Germans. They would then stop, take care of them and be off again. Some of these units were getting so far apart that no one seem to know for sure their location.

That was the condition we found ourselves in. We did not know where the 36th Division Headquarters was located. We heard that it went to Grenoble so we started in that direction, off to the north and east.

We were having a problem with maps since they did not seem to have military ones available for us. At this time we were just using a regular road map, but we were running off the one that we had. So it was to Grenoble by following the road signs along the way.

This situation leaves a lot to be desired when you are in a war in a country where you can't speak the language. The scenery was great since we were coming into the French Alps and we were taking it all in.

Happy Couple

Just outside Grenoble, a Frenchman and his girl were riding their bicycles ahead of us. As soon as they saw us, they jumped off their bicycles, jumped up and down in the middle of the road and waved their arms for us to stop.

We jumped out of our trucks and took cover in the ditch as we put a shell into the chambers of our rifles. We thought there must be trouble ahead — but that wasn't the problem at all, they just wanted to take our photo since we were the first Americans they had seen!

As the first United States troops to enter Grenoble, we will never forget that welcome, as we went down the main street the people filled the streets and they literally went wild with joy — "the Americans are here" and they told us they had been waiting a long time for us to come.

Terraces Still Doing The Job After 43 Years

By BILL WILLIS

Soil Conservation District
The first terraces were built in Cass County soon after the Soil Conservation District was organized in 1942. Many older farmers confess that some of the first terraces were built on their land, and are still working to control soil erosion.

Everyone admits that a terraced field is a little harder to farm than one without terraces, but if you plan to farm hill ground "you can't get along without terraces."



Boyd Bailey

Terraces have improved over the years along the same lines as other farming tools, such as machinery and hybrid corn. Starting with the level terrace that was farmed on both sides, terracing soon gave way to waterway-outlet terraces.

The steep and grassed-backslope terrace was introduced in the 1960s followed by the first attempts to make the terraces parallel to each other to improve farmability.

More intensive use of land for rowcrops led to the introduction of the present-day tile outlet terrace which is being built in Cass County today at the rate of 150,000 to 200,000 feet per year.

Several Cass County landowners have had considerable experience in building tile-outlet, parallel terraces. Since 1973, Art Friday has built over 100,000 feet of terraces on land he owns, and plans still more, to control erosion. The first narrow-base terraces were built on his land in Grove township in 1978.

Boyd Bailey, a former district commissioner, built some of the first tile-outlet terraces in 1973.

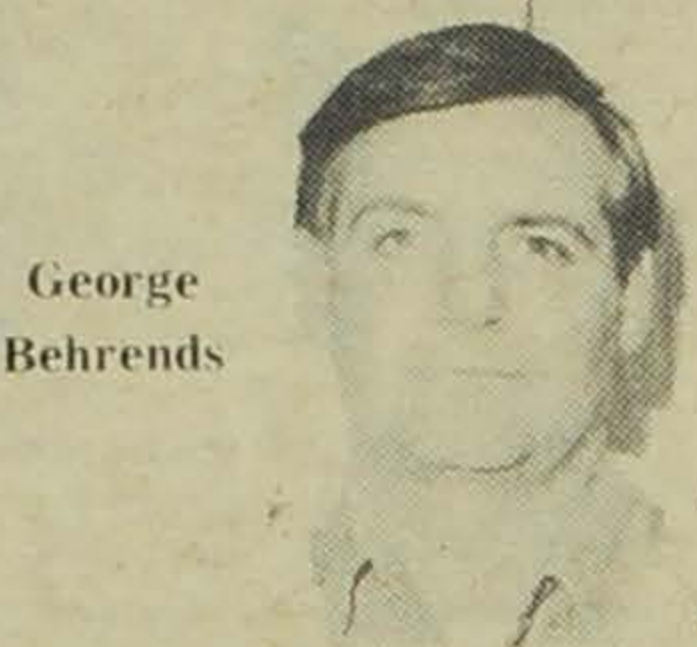
"In three more years, all of my farm will be terraced. Crop yields have increased a little bit because of the terraces."

"Using a chisel in combination with terraces has really controlled the washing," Bailey comments.

More than 20,000 feet of tile outlet terraces have been built on the Bailey farm since 1973.

"I built my first terraces in 1946 with a plow. These newer terraces eliminate a lot of short rows and are easier to farm," he said.

The narrow-base terrace which is a very recent development in terracing came about because of the use of ever larger planters and machinery. George Behrends of Wiota has completed his second set of narrow-base terraces and is planning further construction in 1985.



George Behrends

"The narrow-base terraces let you operate your machinery, especially the planter on even ground since you are not up on the terrace at all. The intakes are also out of the way of the machinery. Terraces are harder to farm but they really hold the soil and that's what is important," he said.

Cass County landowners can qualify for up to 50 percent cost-share to help pay for the cost of terraces from two sources — the Agricultural Stabilization Conservation Service Office and the Soil Conservation District Office. The county ASCS office administers the federally-funded program as provided annually by Congress. The District Commissioners administer the state funded program whose appropriations originate annually from the Iowa legislature.

The following built terraces in Cass county last year:

George Kopp, Frank Casey, Brooke Tanner, John Davis, Florice Bates, Richard Follmann, Boyd Bailey, Don Sonntag, Norman Henriksen, Royal Bierbaum, Bob Skow, Art Bailey, Delbert Westphalen, Wayne Johnson, Craig Chamberlain, Bullock Estate, Charles Smith, Gerald McAfee, David Smith, Gerhart Knop, Robert Forsyth, Ted Cooley, Hove Inc., Clair Hines, Kenneth Muller, Basil Pelzer, Max Miller, Don Brahms, John Faulkner, Arthur Friday, Larry DeBord, Eunice Lowe, Mark Wedemeyer, Lary Mills, Daryl Smith, Vernon Gilbert, Forrest Winston, Harold Steffen, Harold Smith, Bob Kennedy, Jeff Buer, Gene Leslie, Don Henkenius, Owen Meredith, Keith Smith, Clyde Schuler, Malcolm Pollock, Rich Andersen, First Lutheran Church of Wiota, Tom Schultes, Steve Nelson, Raymond Knop, Richard Rudolph, Duane Acker, Dale Pauley, David Schwarte, Ted Wickman.

Water expands when frozen, as opposed to contracting as most other substances do. The lighter solid floats on the heavier liquid, an exception to the rule. Water can absorb and release more heat than most common substances. Ice that forms and floats on the surface of bodies of water act as an insulator by protecting the water below from freezing.

Hay Growers Unite To Improve Quality Of Product

By RICHARD BOLI
Rural Conservation
And Development
Coordinator — Oakland

The Southwest Iowa Hay Growers Association was organized this past year and has held several educational programs to help growers improve the quality of alfalfa that is being produced in the area.

The programs have provided information which will give good producers an opportunity to increase their yield.

The 55 members representing about 5,000 acres of alfalfa have the opportunity to list their hay for sale. Listings are compiled and distributed to potential buyers throughout the United States.

The Golden Hills tillage plots were continued with additional information being collected. Soil fertility tests were taken from each plot. Layering of fertility occurred on reduced tillage, however the yields do not vary significantly. Copies of

the report are available at the Cass County Soil Conservation Service and Cass County Extension Office.

Planning for the Massena structure continued this past year. Field surveys were made and a topographic map was developed by the Soil Conservation Service. The University of Nebraska-Omaha developed the storage tables. The Iowa Conservation Commission and Iowa Hygienic Laboratory cooperated to collect and analyze samples of water from the stream. A land treatment analysis was completed. More information will be compiled into a measure plan that will be used as a guide to implementation.

The Golden Hills Rural Conservation and Development Area received funding of \$88,500 which made it possible to implement three projects.

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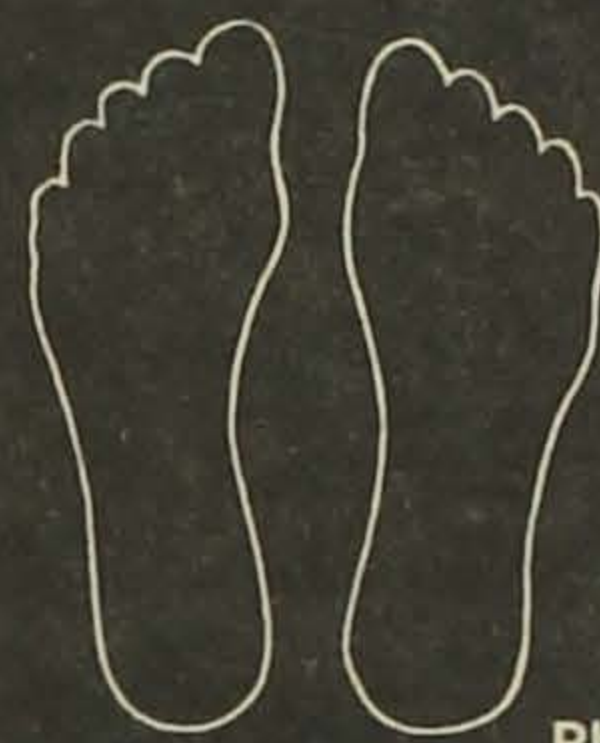
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Watershed Projects Help Reduce Risk Of Flooding

By The Cass County
Soil Conservation
District Office

"Flooding is an act of God, and you just have to learn to live with it. If you're going to farm on the bottom, you have to accept the fact that some years it will be covered with water."

These statements are not completely false, but they aren't entirely true either. The watershed projects under way on Troublesome Creek and Turkey Creek are starting to prove that something can be done.

When heavy rains fall and runoff occurs in heavy amounts, stream channels become too small to contain all the water and flooding takes place.

Crops on the bottomland become covered with water and sometimes smothered with silt.

Bridges over the stream channels are often damaged along with roads across the floodplain.

Houses and buildings close to the creek are damaged also, sometimes, beyond repair.

Floods like the ones in 1973 and 1980 result in thousands of dollars in damages, not to mention the inconvenience and lost time.

Fifty-five structures have been built in Turkey Creek Watershed since 1966. In the Cass County portion of Troublesome Creek Watershed, six structures have been completed.

However, the number of structures needed to provide a substantial reduction in flood damages in each watershed is much larger. A total of 109 structures are proposed in Turkey Creek, and 33 structures are needed in the Cass County part of Troublesome Creek Watershed.

Witzman Land

Only about 50 percent of the Turkey Creek structures have been built, but already a noticeable change is taking place in the amount and

frequency of flooding. Merritt Witzman owns land on the floodplain downstream from where several structures have been built.

Merritt
Witzman



"The first year we owned one 80-acre tract along Turkey Creek, 65 acres were covered with floodwaters. In the last four years, even including 1980, the creek has been bankfull, but it hasn't flooded. This is because the Turkey Creek structures are holding the water back. Streambank erosion is still terrible, but more structures will help solve this problem too," Merritt concludes.

Littlefield Park

Flooding along Troublesome Creek is decreasing as the number of watershed structures being built increases. The centerpiece of Littlefield Park near Exira is a floodwater retarding structure planned as a part of the watershed project. Six of the 33 structures planned in the Cass County portion of the watershed have been built.

Watershed structures can be built when easements for use of the land are obtained from the landowners at each proposed site. Erosion control measures are also needed in the drainage area of each site to prevent excessive damage by soil loss.

The Soil Conservation Service (SCS) pays for all the construction costs. The soil conservation district and the board of supervisors assume responsibility for any upkeep and repairs.

Needed Clues Of Roots

By EDNA CHRISTENSEN
Cass County
Genealogical Society

There is help for genealogy researchers in the National Archives and Record Service. Write to the Superintendent of Documents, United States Government Printing Office, Washington, D.C. 20402, for information on the following publications:

— Where to write for birth and death records in the U.S. and outlying areas.

— Where to write for birth and death records for U.S. citizens who were born or died outside of the U.S. and birth certificates for alien children adopted by U.S. citizens.

— Where to write for marriage records.

— Where to write for divorce records for U.S. and outlying areas.

When you write ask for the cost of the publications. They have not been expensive, but costs have changed.

National Archives

The National Archives and Record Service, General Service Administration, Washington, D.C. 20408, has the following pamphlets and information request forms:

— Genealogical records in the National Archives.

— Genealogical sources outside the National Archives.

— Military service records in the National Archives.

— Order and billing forms for veterans pension records.

— Index of passenger lists of ships arriving in this country. Be sure to specify which port.

— Order and billing form for passenger list.

Naturalization Records

For information on naturalization records prior to 1906, write to the clerk of court in the county naturalization papers were received.

After 1906 write to Immigration and Naturalization Service, U.S. Department of Justice, Washington, D.C. 20536.

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Egyptians Seek To End 'Maalesh'

CAIRO, Egypt (AP) — With a series of TV advertisements, the government is attacking the maddening, deeply ingrained habit of Egyptians to pass off any inconvenience, inefficiency or other irritation with the Arabic phrase "maalesh."

There is no way to translate maalesh into English, or any other language for that matter. In English, it might be "never mind" or "don't worry," in French it might be "tant pis," in Italian, "pazienza," and in German, "macht nichts."

But in Egypt, maalesh is used in a much wider context than any of these phrases.

For instance, an Egyptian who has just stepped on your toe or spilled a drink on you might console you with "maalesh." It might be heard from someone who has just put a dent in your new car, or the dry cleaner who has just ruined your best silk dress.

Maalesh reflects the belief of many Egyptians in fatalism and in the inevitability of what is "written in the stars." Some blame many of the social and economic ills of Egypt on the maalesh attitude.

"It's the enemy living with us, holding up our progress; as a nation which wants to progress, we have to demolish maalesh," chants a well-known singer in a 30-second TV advertisement, part of the three-month media campaign.

"The word maalesh is an insult

in our face," said Samia Sadek, the dynamic director of Egypt's government-controlled television, in an interview. She said President Hosni Mubarak had initiated the campaign, which also focuses public attention on health, cleanliness, family planning, and traffic regulations.

One ad criticizes throwing garbage from windows into streets, another explains the necessity to adhere to traffic regulations, still another criticizes deafening honking and noise on the streets.

Sadek said the campaign "concentrated" on the younger generation because it was easier to instill correct behavior in them than to change attitudes of older people.

Schoolchildren seem to enjoy cartoons, including one picturing a stone sculpture of the word maalesh and a small man vainly chipping away at it.

Nearly half of Egypt's 45 million inhabitants watch some 6 million TV sets, and the campaign has raised both praise and criticism among them.

"This is a very American approach, it will never work with Egyptians," said Marcelle Wahba, 34, grants officer at the American University of Cairo.

Mohammed Ghoneim, a taxi driver, found the advertisements interesting and helpful. "We Egyptians have a good sense of humor, we like jokes and music; you give us anything in the form of jokes, we will accept it."

The Changing Pattern On Iowa's Valuable Soil

By WILLIAM A. FUDGE
Commissioner

Can any of you imagine what the fields of Cass County looked like 200 years ago? Imagine driving through the trails that existed then, but all you could see was grass, trees and maybe a few buffalo and deer.

Then came man with his crude machines, using oxen or horses for power to tear up the sod to plant corn and other crops to produce for the country, and now for the world. As years went by more and more of the prairie grasses were destroyed to make way for cultivation.

William
Fudge



Straight Rows

When I was a boy everyone took pride in planting and cultivating straight rows of corn. Some of these rows were straight up and down the hills. After the last cultivating, low places between the rows let the water find its way down these cultivating marks to the fence or road ditch. The nice thing about it was, as a rule, the fields were put to oats or barley with clover or something that would make hay the following year. Crop rotation was practiced.

Then came the tractor with more power and larger machinery. More pastures were plowed up and cropping changed real fast. Soybeans came into the picture.

Beans have their place in the farm economy, but they are certainly a crop that loosens the soil so badly it soon gets to the place where it will wash and erode in a hurry. These crops are good and work great if the land on which they are planted is well protected by terraces, stripcropping and one of the most essential — contouring.

Since cattle herds have been getting smaller and smaller land that is steep and less desirable for crops has been tilled. This makes conservation more necessary than ever before.

Protection Methods

There are so many ways that the land can be protected with conservation that one can take his or her choice. One of the latest is no-till. This is working real good, according to farmer reports in 1984.

There is one way that seems to be better yet — ridge planting. Some swear by this method. This could be a great method if one feels he can't afford terraces — as each ridge

District Award

Bill Fudge of Atlantic received the Outstanding District Commissioner Award for Region Five which includes counties in west central and southwest Iowa. The award is presented to a commissioner whose efforts have substantially promoted more conservation work on the land.

planted on the contour could serve as small terrace. To cut down on expenses — plant on ridge with furrow openers and cultivate with a large sweep cultivator to destroy weeds between rows.

Its sort of sad to drive through the country, now, after a big rain, and see valuable topsoil in road ditches only to be removed by county crews so the water will have a place to run during rains that follow.

Top Soil

In the beginning, the top soil of this area was 14 to 18 inches deep. Today the best fields have half or less of it left. There are fields that have had no care and planted up and down the hill that have 3 to 4 inches or less left. At planting time you can see yellow places on the side hill. If it weren't for fertilizer it wouldn't pay to plant the seed.

The Cass County Conservation Office has placed a lot of terraces on the land the last two years, but there remains a lot to be done yet. If you have any problems that need a layout plan stop at the SCS Office and ask for assistance.

Helping the farmer is the purpose of the SCS Office. Let's take care of the soil!

MILK PRODUCTION

Iowa dairymen produced 313 million pounds of milk during November 1984, down 10 percent from November 1983. The average number of cows milked was 360,000 head, 25,000 head fewer than this time last year. November production per cow averaged 870 pounds, down 35 pounds from November 1983.

GEOTHERMAL HEAT

BOISE, Idaho (AP) — Commercial buildings in Boise are expected to reduce their gas space-heating bills by nearly 40 percent by connecting to the city's geothermal district heating system, says Energy User News.

The journal says the new district heating system consists of nearly three miles of underground piping that transports 176-degree Fahrenheit water from four geothermal wells in the city to the downtown area. The hot mineral water is pumped from depths of 800 to 3,000 feet.



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- 14. Coolant Strength.
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FUEL SYSTEM

- 16. External Fuel Leaks.
- 17. Sediment Bowl.
- 18. Fuel Shut Off Adj.

OPERATOR STATION

- 19. Seat Operation.
- 20. Cab Filter Condition.
- 21. Cab Mountings.
- 22. Cab Glass Condition.
- 23. Cab Fan, Air Cond. & Wiper.
- 24. Cab Heater & Radio.

HYDRAULIC SYSTEM

- 25. Selective Control Valve Test.
- 26. Rock Shaft Operation.
- 27. Break Away Cooler Condition.
- 28. Reverse Operation (Utility).
- 29. Hi-Lo Shift Operation (Utility).
- 30. External Oil Leaks.

POWER TRAIN

- 31. Transmission Oil Filter Cond.
- 32. Transmission Oil Level.
- 33. Clutch Pedal Free Travel.
- 34. Clutch Operating Oil Pressure.
- 35. Differential Lock Operation.
- 36. Trans. Gear Shifting Function & Oil Level.

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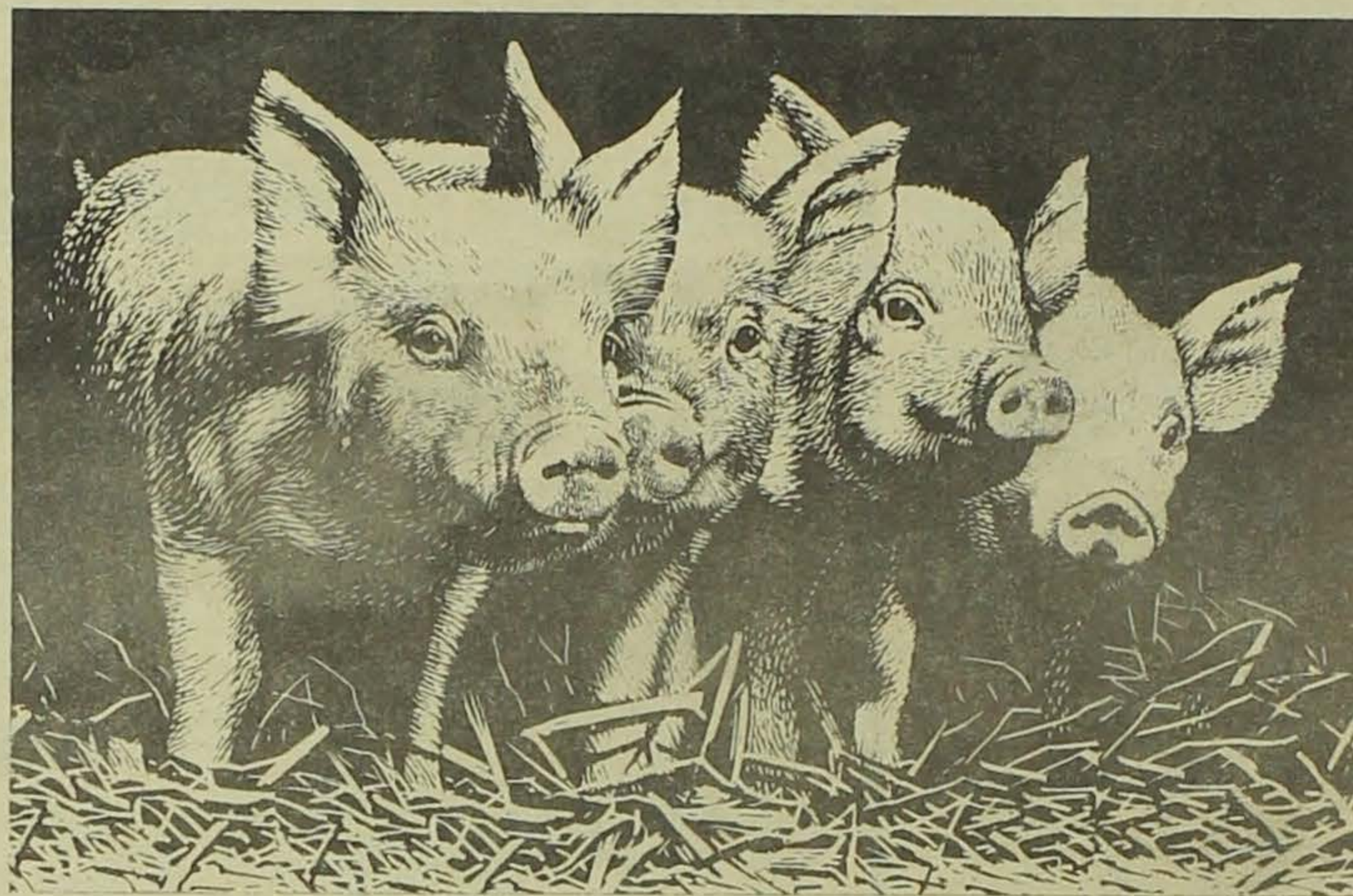
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