

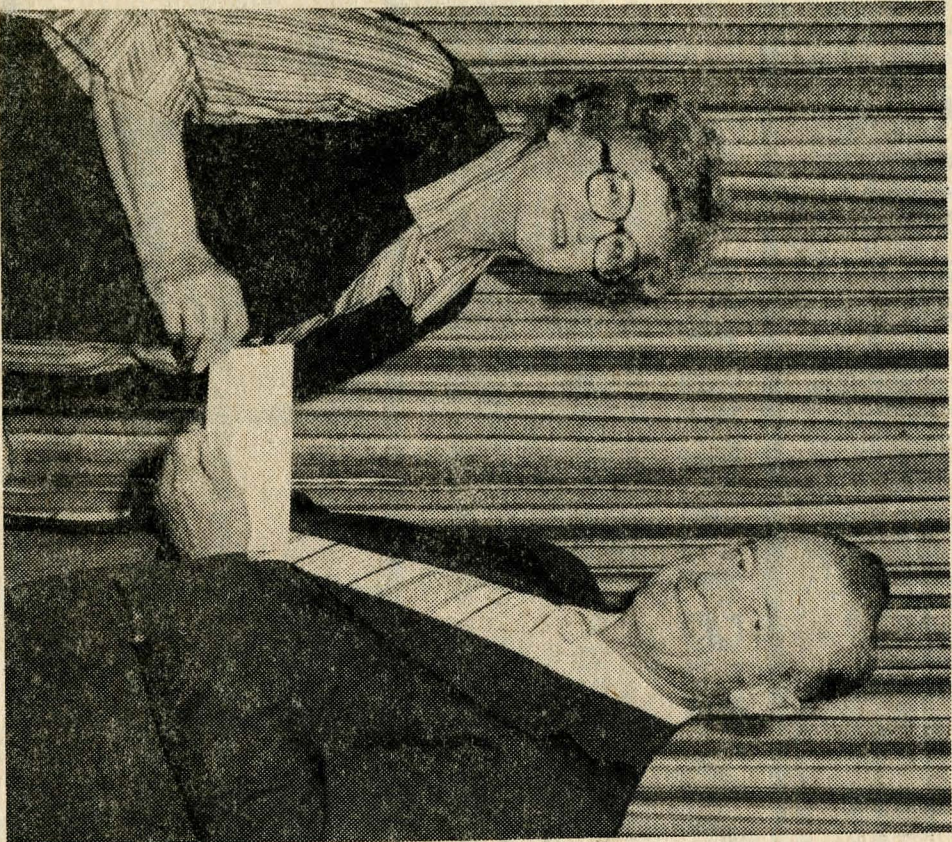
1980
Thirty-eighth Annual Report
CASS COUNTY SOIL CONSERVATION DISTRICT
Atlantic, Iowa

1980

We Support Iowa Pork Producers and the

Pork Queen Contest!

Two Atlantic girls were among 13 candidates competing in the 1981 Iowa Pork Queen contest this past week. They were Carol Olsen, daughter of Wayne and Phyllis Olsen; and Dawn Nelson, daughter of Gail and Delores Nelson. Carol was chosen by the Hampshire Association as their candidate and Dawn represented District XI of the State Pork Producers Association.



Walnut Grove General Manager Wayne A. Rodgers presented a \$200 check to Mrs. G. M. Baier, Chairman of next year's Iowa Pork Queen Committee. The money was used this past week for special gifts which were the responsibility of Mrs. Baier, wife of a Cass County pork producer.

Both girls received high honors in the State Contest; Dawn was named Miss Congeniality and Carol was Second Runner-up to the Queen. Mrs. G. M. Baier, who with her husband is a Cass County Producer, served as a member of the Iowa Pork Queen Committee and next year will serve as Chairman of that committee. Among her duties this year was the presentation of special gifts for Miss Congeniality and for First and Second Runners-Up.

Walnut Grove was pleased to support the producers and their Iowa Pork Congress, as well as the queen candidates and committees. More than 300 girls competed for Pork Queen titles on the county level. The

1980 Annual Reports

- 1 Office
- 2 Lawrence G. Vance
- 6 to Steve Stover
- 1 to Senator C. W. Hutchins, 902 Prairie, Guthrie Center, Iowa 50115
- 1 to Senator Charles Grassley, 1227 Longworth House Office Bldg.,
Senate
Washington, D.C. 20510
- 1 to Senator Roger Jepsen, Senate Office Bldg., Washington, D.C. 20510
- 1 to Representative Tom Harkin, 514 Cannon House Office Bldg, Washington D.C.
20510
- 1 to Regional director: Ed Baldwin, Little Sioux, Ia. 51545
- 1 to Davis Conservation Library, P.O. Box 776, League City, Texas 77573
- 11 to SCDs in the following counties: Monona, Crawford, Carroll, Greene,
Harrison, Shelby, Audubon, Guthrie, Pottawattamie (2), Adair

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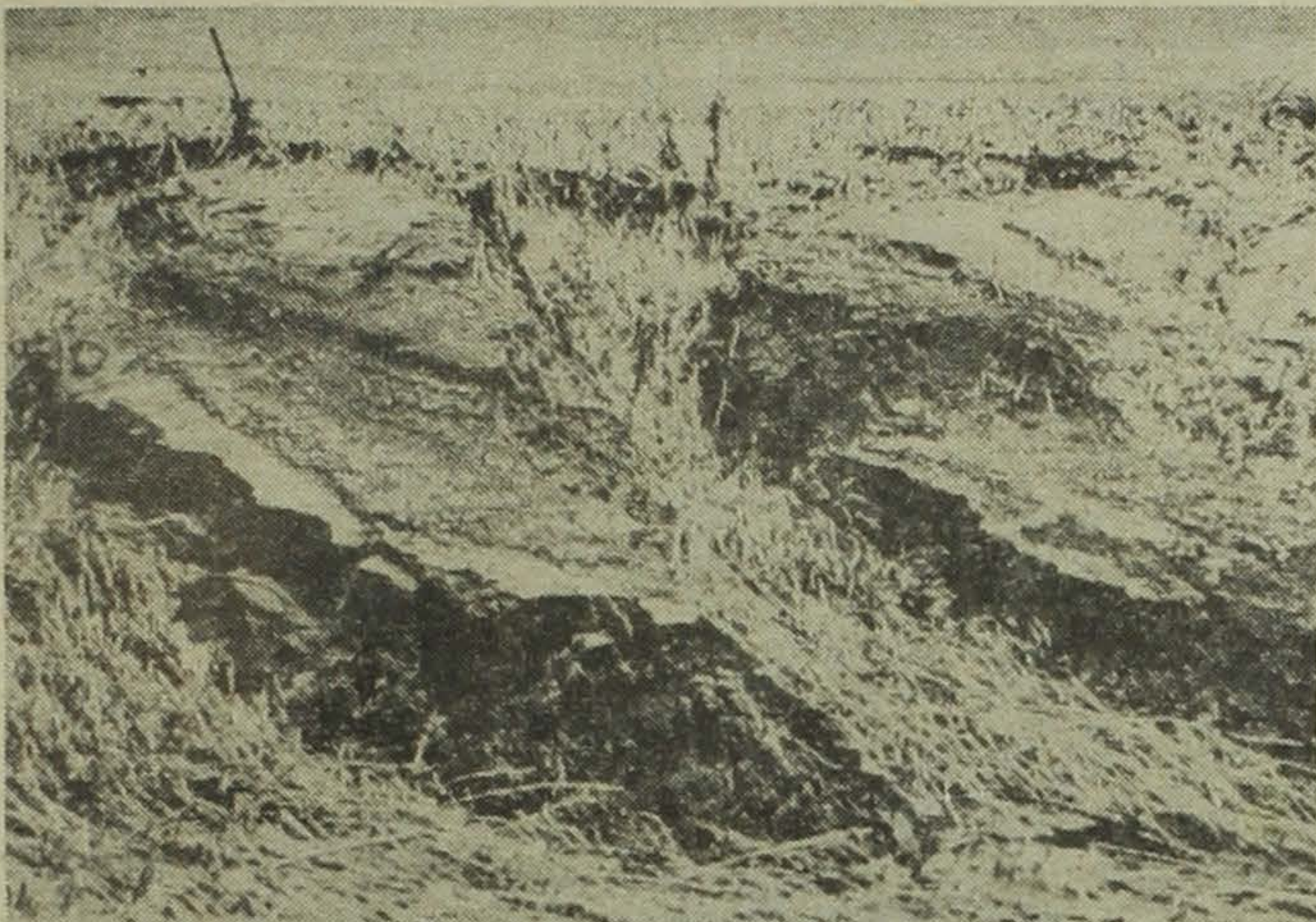
Atlantic, Iowa

VOL. 21 — No. 11

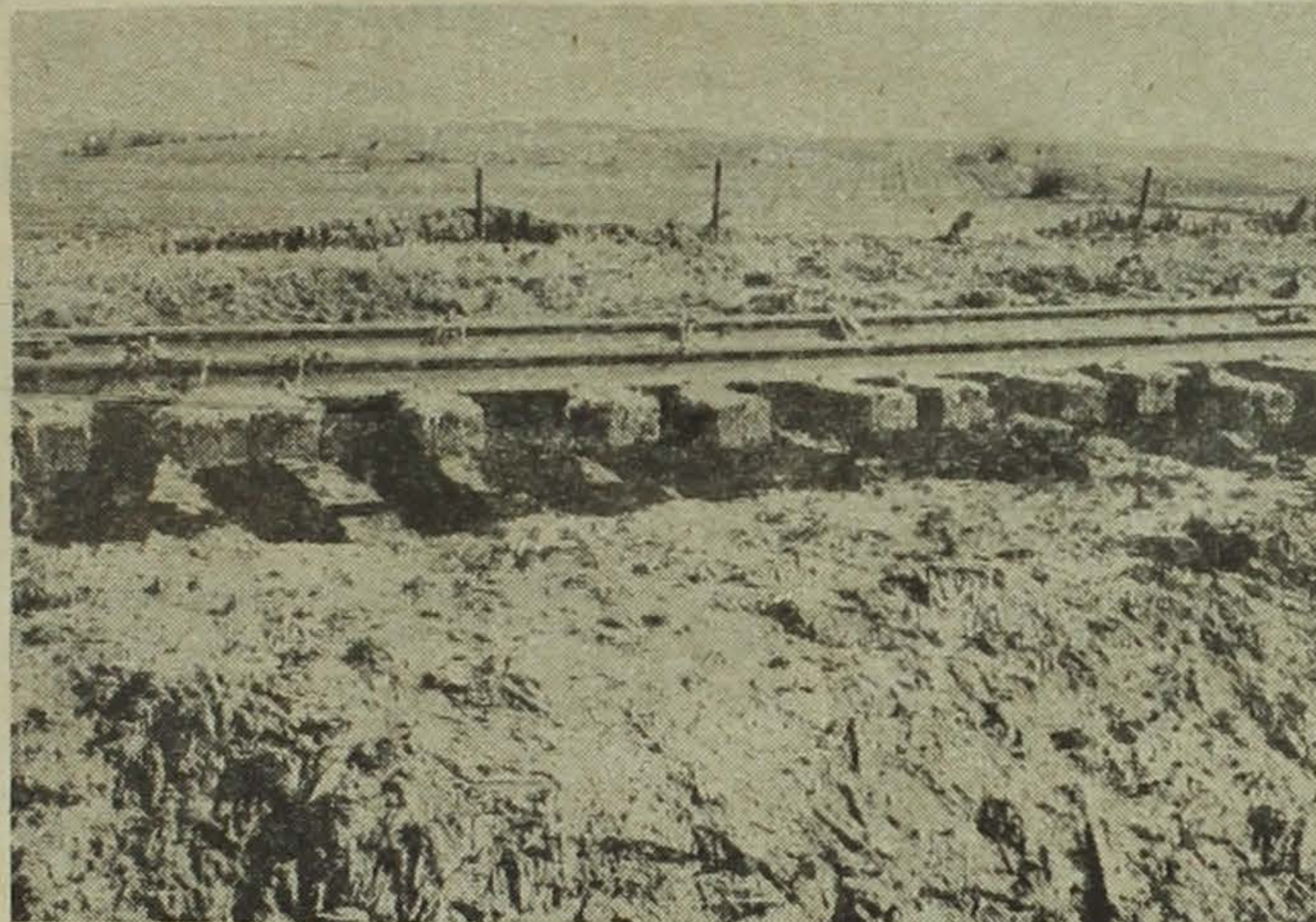
ATLANTIC, IOWA

JANUARY 31, 1981 ISSUE

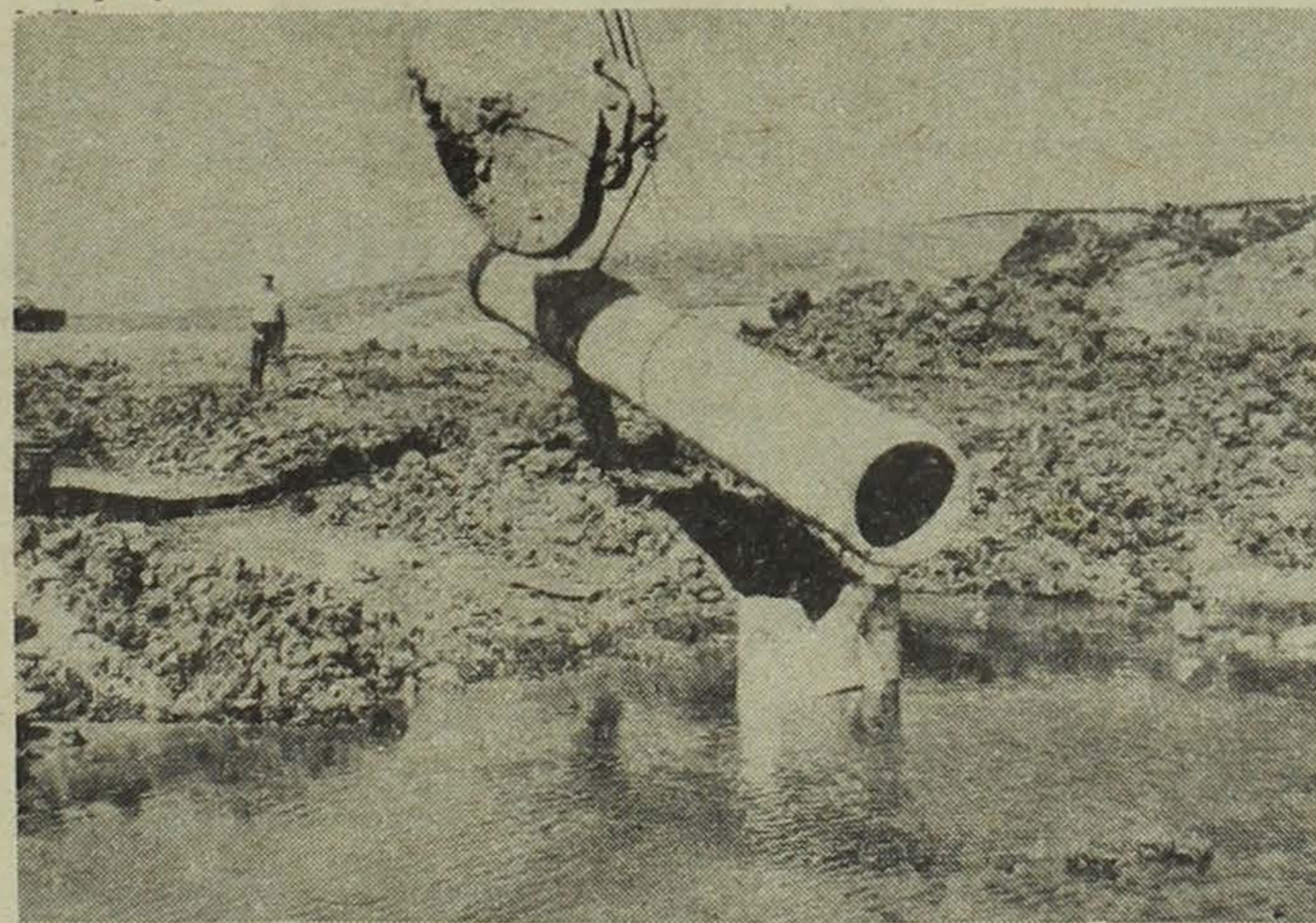
Saving Soil A Pressing Need In Iowa In 1981



Sediment damage to ponds, structure and road ditches was costly in the spring of 1980 in Cass County. This was a common scene in two-thirds of the county.

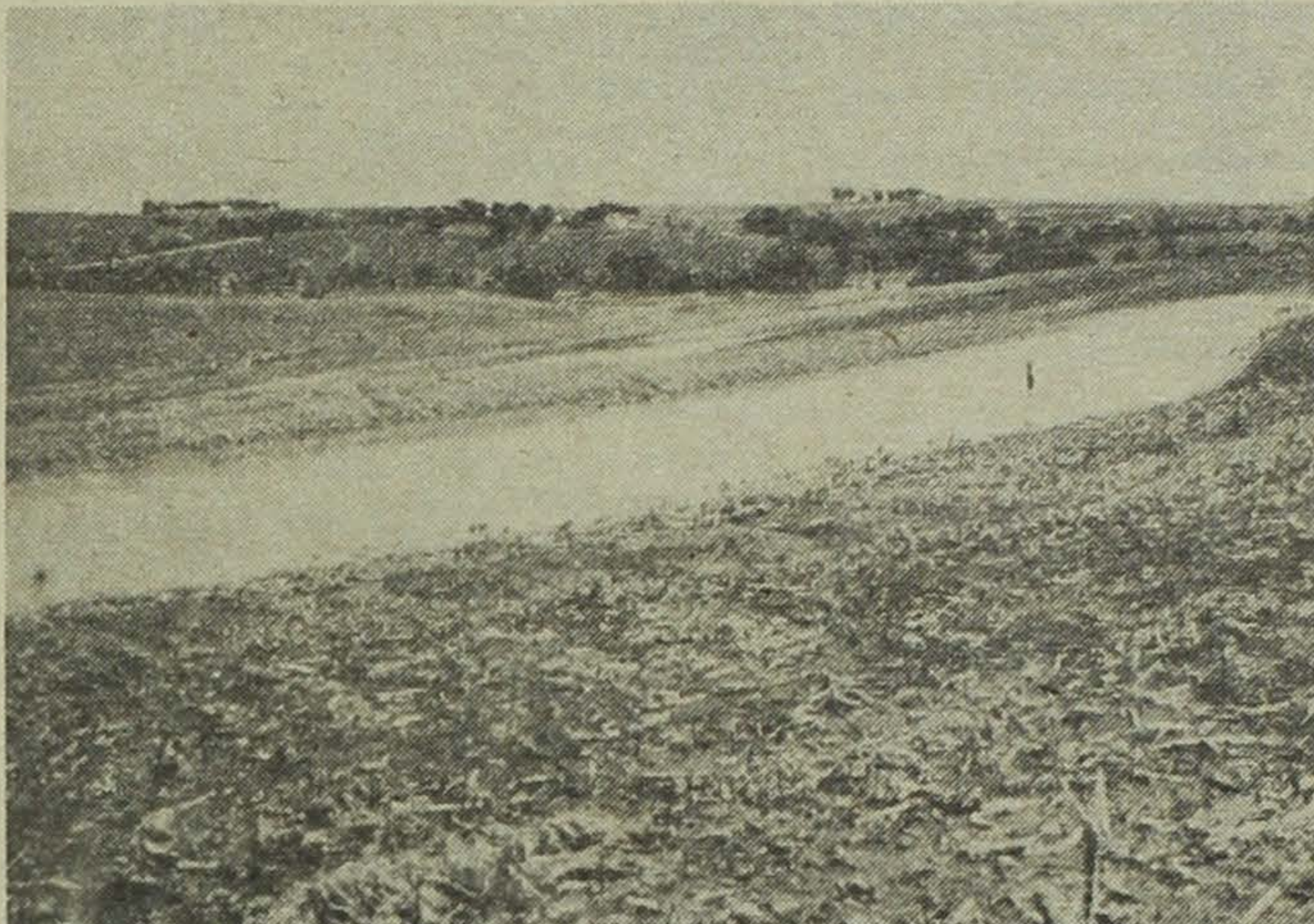


The Atlantic-Audubon railroad track was heavily damaged by the tremendous force of runoff water June 6 and 14. Soil losses were estimated at 150 tons per acre per year.

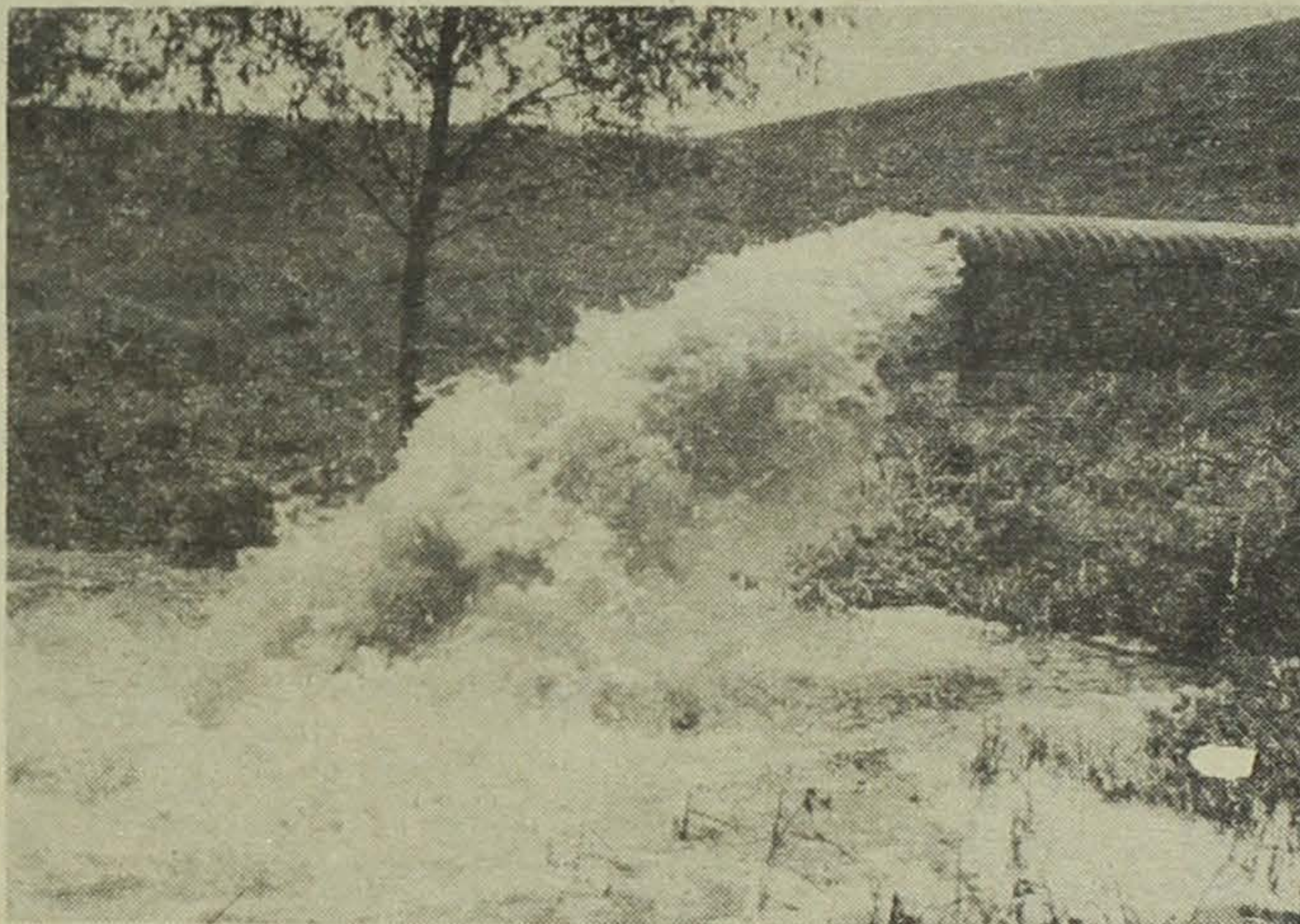


The second floodwater retarding structure in the Turkey Creek Watershed was built in 1980 on the Paul Barber farm. The large concrete pipe, shown during the construction, will release runoff slowly and reduce flooding.

Many of the stories in this issue of the Farm Monthly are devoted to soil conservation, which some call the state's No. 1 priority. The articles were prepared by the Cass County Soil Conservation Service and point out ways Iowa's valuable topsoil



Tile outlet terraces filled to capacity with runoff from the intense storm of June 6.



The pipes ran full from watershed structures following the heavy spring rains. This system helped reduce flooding. The Soil Conservation Service reports that heavy damage from flooding could be controlled if the watershed projects were completed.



Tile outlet, parallel terraces protected this slope from erosion during the damaging storms of June 6, 14 and July 4 in Cass County.

can be conserved for future generations. The need for more conservation practices was pointed out in Cass and surrounding counties last summer when storms whipped the area.

Poets Corner

1981

I watched Old 1980
As she quietly went to sleep.
I was glad her year was over,
With no more dates to keep.

As I looked down on her wrinkled face,
I thought I saw a smile;
I knew she was glad it was over too,
But thought it had been worth-while.

Then as I was leaving,
A youngster stood outside.
With shining eyes and rosy cheeks
And a face full of joy and pride.

"I hope you like me" I heard him say
As he came on through the door.
And my answer was the same "Amen"
I had said just the year before.

Bess Schoenthal, Atlantic

CLOWNING

I'd like to be a funny clown
And toss a lot of laughs around;
I'd like to stir up lots of cheer
For every day of every year;
I'd like to give sad folk a smile
And walk with them that extra mile

To find the road that once was gay
And filled with beauty all the way.
The child disturbed, the sick, the old —

All have need — I shall be bold
And if I have to paint my face
To keep that extra smile in place,
No doubt there will be another clown

To help me, too, when I am down.
Marjorie McVicker Sutcliffe,
Audubon

HE

Who made the pine trees
That reach to the sky,
Who made the sweet sound
Of a new baby's cry — He!

Who made the forest
So quiet and still,
The bluebird that's singing
Way up on the hill — He!

Who made the pheasants
The coyote and deer,
Who listens as we pray
And quiets our fear — He!

Eileen Harris, Atlantic

ALTOGETHER LOVELY
Song of Solomon 5:16

That lovely day when Christ came in,
My life was changed forever;
The sweeter rose, the bluer skies
Were mine without endeavor.

That winsome day, bestowed by grace —
No merit mine, or favor,
But all because the Father God
Gave us a dying Savior.

My way was lost, then Jesus came —
None else appeared to save me —
He bought for me eternal life;
So dear the gift He gave me!

Such grace, such love I cannot tell —
Nor yet express my story!
But how my heart delights to praise
The Lovely Lord of Glory!

— Jeannette Havick,
Harlan**JUST TAKE A LITTLE TIME**

I took just a little time
To call on a sick friend today,
Yes, it truly made her happy
That I should come that way.

When I went to leave her
She kept clinging to my hand,
Asking me to come again some-
time
She hoped I'd understand.

All this gave me a feeling
That I received no other way.
Yes, I must let God use my hands
To do His work today.

Altje Rasmusen,
Anita**MONARCH OF THE FOREST**

I went out to the country
One cloudy dreary day
Saw some horses running
Watched a farmer put up hay!

I noticed a bunch of pheasants
Thought I heard a whip-poor-will

Passed a wooded area
And my heart almost stood still.

A great buck stood there posing
What a magnificent sight to see,
The monarch of the forest
How wild he was, how free!

Eileen Harris, Atlantic

BEGIN AGAIN

Time for reminiscent thoughts
about the year now spent,
Although it never shall return,
your heart may yet repent;
All that which blessed and
granted peace, may be
savored long and late;
But all that hurt and fractured
love, must be left beyond the gate.

For memories, to be sweet with
peace,
Must be healed by Jesus' love;
The years will weigh like thistle
down,
When they're born by God
above.

Forgive each one who injured
you,
And trampled on your dream;
And bless the very ones who
cursed,
And planned a wicked scheme;

Then you won't add to hate and
strife,
By bitterness and pain;
For had The Lord not lifted you,
Your life might be the same.

The year is gone without re-
morse,
When you have lived with Him;
And if you've not what better
time,
Repent, begin again!

— A Watcher

CHRISTMAS PRAYER

Christmas time is here again
With all its ice and snow
Nifty boxes everywhere
Tied with a pretty bow.
The sky is blue —
The stars are bright
It is a light and holy night.
Our love is more than we can
bear.

On bending knees —
And head bent low.
We say a Christmas Prayer.
We thank the Lord for every
thing
For both the good and bad
We long to have him touch us
now

We think of his rude bed.
Bless all the little children
With kind and loving care
Fill all their hearts with glad-
ness.
Be with them everywhere
This is my Christmas Prayer.

Ernie McClain, Exira

MY WISH

If I could make a wish today
To cover each tomorrow,
I'd wish that everyone could
lose
Their load of grief and sorrow.

I'd wish that every man could
smile,
A smile — right from the heart.
I'd wish for every child that's
born
A safe and loving start.

I'd wish that we who have so
much
Could share in some small way,
The burdens of all others
Who struggle day by day.

Wouldn't it be wonderful
If all who are sad, could feel,
That even the little things we
do
Are loving and thoughtful and
real.

Bess Schoenthal,
Atlantic**ARIZONA HERE WE COME**
Jan. 8, 1977

We're leaving Iowa the tall corn
state,
Its ice and snow.
We're traveling in a fifth
wheeler,
And having fun you know.
Arizona here we come!

We cross the muddy Missouri,
And arrive in York.
We pulled the cork and drank
Clear spring water from
Iowa.
Arizona here we come!

Bob, Dorothy and I, We
Crossed the Kansas line.
We are not in a hurry
But we are moving right
along.
Arizona here we come!

We got into Oklahoma.
They used to call it the Sooner
State.
The sooner we get out of it,
The better we like it.
Arizona here we come!

We're in the Texas Panhandle,
Driving southwest following
the sun.
We don't seem to get rid of the
snow,
But we're having lots of fun.
We're camped tonight in Del-
hart, Texas.
Arizona here we come!

Jan. 10, 1977
We're in New Mexico
At Bernardo we crossed the
Rio Grande.
We drove thru desert and moun-
tains
We're camped tonight at
Elephant

Butte State Park in Truth or
Consequence.
If you don't like it you take the
consequence.
Arizona here we come!

We crossed into Arizona with
The rising of the sun.
We went into Tombstone to
see a
Ghost town of the past.
We're camped tonight in Tomb-
stone
And will dream of the past.
Arizona, we are here!

William H. Faust

(Written on the way to Arizona
by William A. Faust, age 79, a
resident of Heritage House
here in Atlantic.)

THE ENVY OF A WORLD

To us, belongs this treasure of
tranquillity —
Uncluttered skies and free un-
fettered winds;
Loam quilts sewn in rich hues;
new-cropped fields
Unrivalled in fertility, in yield.

To us, belongs this treasure of
tranquillity —
Oceans transformed into white-
capped froth;
Tapestries of sand-dust facing;
cloth,
Of twilight hemming hills from
sea to sea.

To us, belongs this treasure of
tranquillity —
Mirror-bright mutations;
shadow lacings
Drawn from brick; glass inden-
tations gracing
Skylines, silhouetted, brushed
by winds.

To us, belongs this treasure of
tranquillity —

Despite new rumblings; despite
the wire slush
Of lies that shackles hands;
despite the crush
Of leering faces, blurred by
hated, famine thin.

To us, belongs this treasure of
tranquillity —
Sod, unscathed by mortar
crater; hills
Unmarred by shell-fire straf-
ings; spills
Of bell chimes and of laughter,
unrestrained.

To us, belongs this treasure of
tranquillity —
Pride, unfrayed by video dis-
tortion;
Truth, unblurred by verbalized
abortion.
To us, belongs the envy of a
world —

America.

M. McGuire, Wiota

SOMETHING TO LIVE FOR

It was only a clothespin dolly —
She had made it and dressed it
with care;
But it brought such joy to the
little girl —
The one with the soft brown hair.

"Oh, thank you!" she said and
her eyes sparkled so
That the lady who made it knew
One never becomes too old if she
Can still find something to do.

Something to do and live for —
Something to make life seem
worthwhile;
She found it today with the
clothespin doll
And with a little girl's thank you
and smile.

Marjorie McVicker Sutcliffe,
Audubon**NEW ESCORTED TOURS FROM ATLANTIC!**

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FLORIDA CIRCLE: Disney World, Cape Kennedy, March 24.
CHERRY BLOSSOMS, WASH., D.C.: \$315, 6 days.
LAS VEGAS, RENO, TAHOE: 14 days, May 18, \$630.
TEXAS: Padre Island, San Antonio, 13 days, March 16.
ARIZONA: Grand Canyon, Steak cookout, 14 days, February.
CALIF. CIRCLE: March 18, 20 days.

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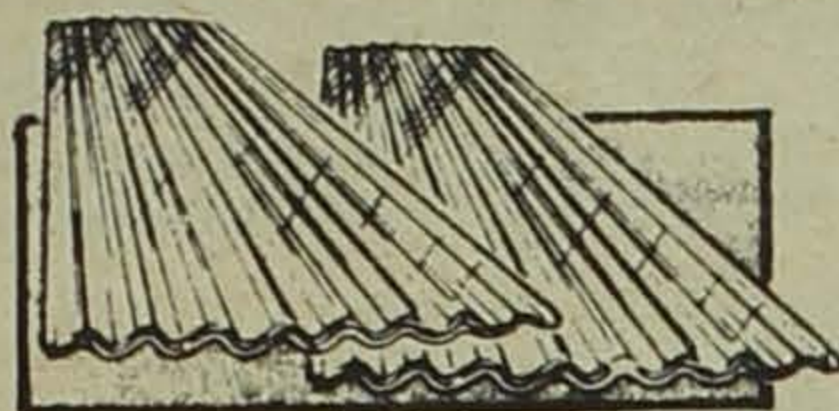


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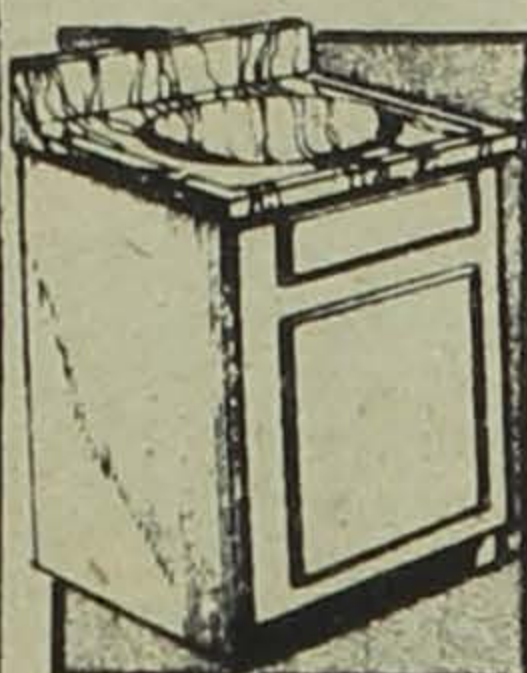


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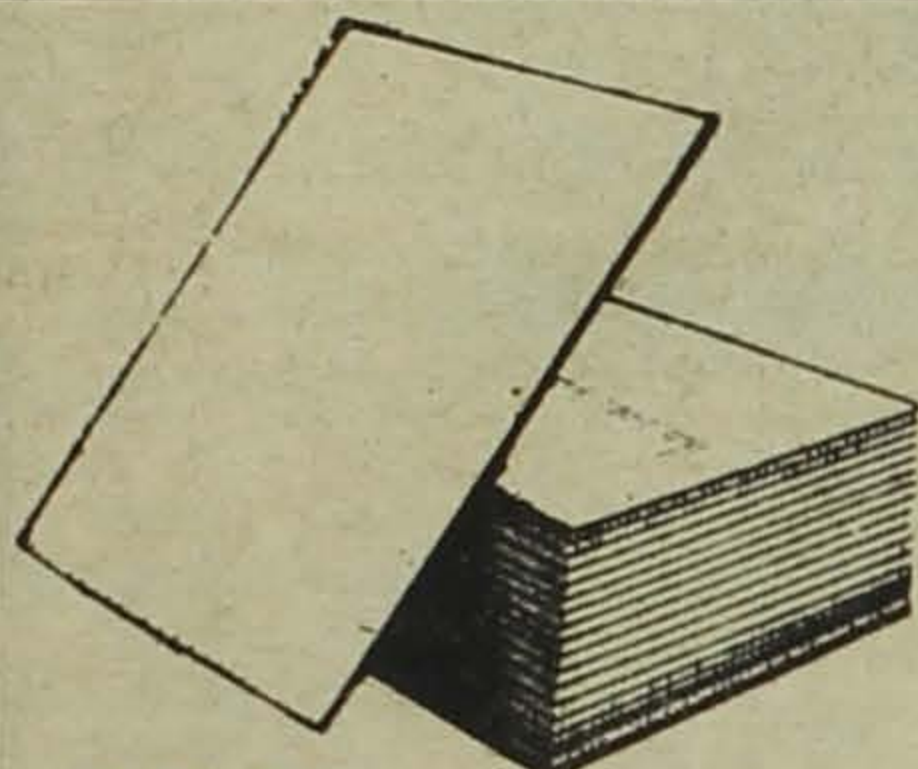
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With Pop Up **9⁹⁵**



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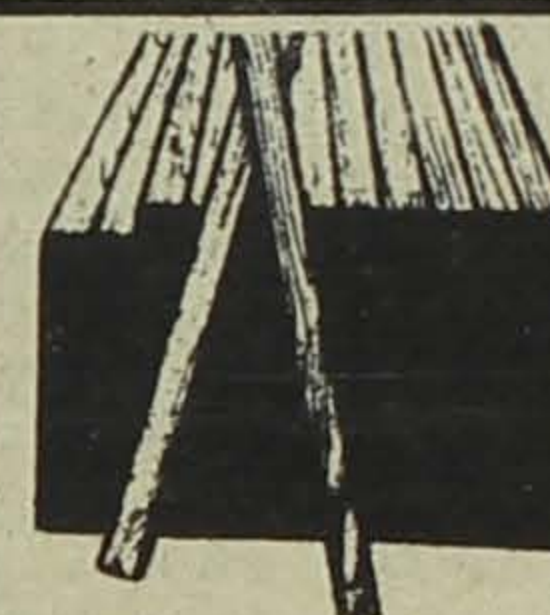
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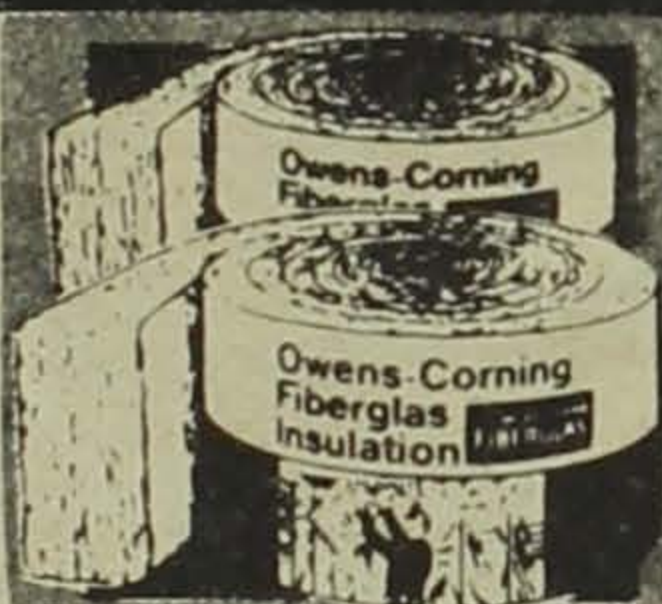
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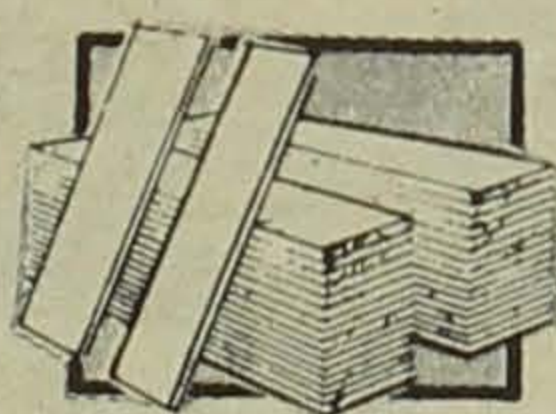
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1599⁰⁰

8 double sidewall construction 1/2" insulated sheathing and 12" primed hardboard siding. Includes 9'x7' 4-section overhead doors, roof sheathing, seal-down shingles, 2 windows, 2x4 studs, 16" O.C., 2x6 rafters, 24" O.C. nails, trim & plans. See our materials list for complete details.

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Rock Island Rolls On At Brownsberger Home

Ed Brownsberger Jr. of Anita is the conductor, and the materials of his model railroad exhibit are the elements of a railroad past — The Rock Island.

It's been five years since Brownsberger considered buying a nephew a train set for Christmas, but nixed the idea because of so many other nephews.

But rather than waste the thought, he bought himself a kit that contained an engine, four cars, a caboose and track.

Admitting he "got a little carried away" at first, his collection has developed into a massive display of H-O scale size equipment from several railroads. With the demise of the Rock Island Railroad, his favorite, Brownsberger is concentrating on that line now.

62 Feet

The main track, in a "dog-bone" layout, is 62 feet long with nearly as many feet in switches. Using about five engines at a time on the track, he possesses 40 in all. He put five of them together alone and the rest of them were purchased already assembled, requiring only touch-up work to acquire exact duplication.

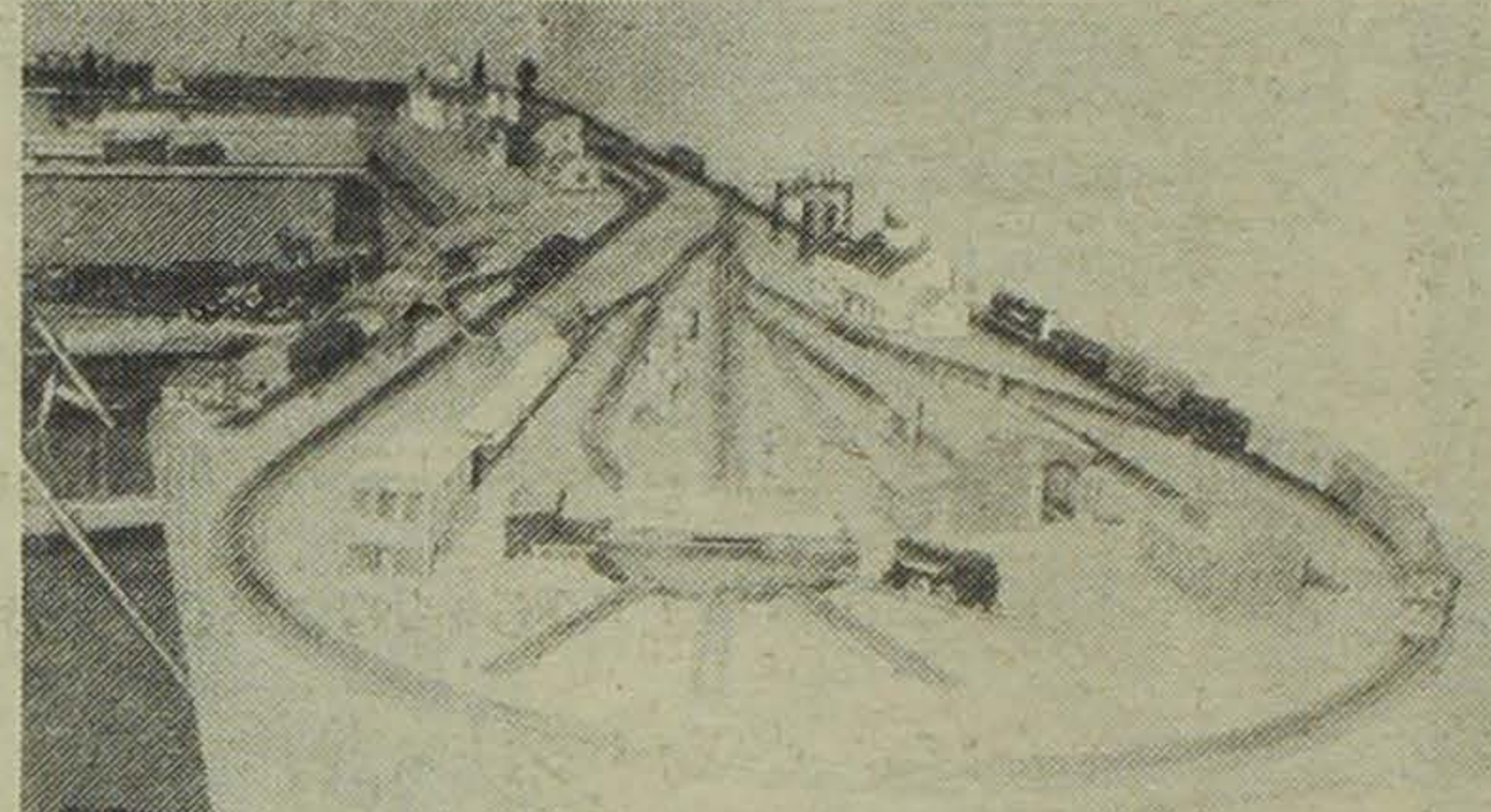
The G-P18 Rock Island engine is one of his favorites, and Brownsberger is fond of a photograph he owns of the actual engine.

Holding a GP35 Rock Island model engine, he says, "I used to watch this one roll through Anita, too!"

Working with minute pieces like a surgeon, Brownsberger spends an average of two weeks of spare time building an engine. Some of the more than 100 pieces are so small that he uses a magnifying glass in his work. His equipment includes a small drill press designed for



Ed Brownsberger Jr. of Anita stands by a portion of his elaborate model train layout. "The Conductor" sports a Rock Island Railroad hat.



Shown is part of the "dogbone" layout that includes more than 60 feet of track and many feet of switches. The buildings were crafted by Mrs. Brownsberger.

hobbies, jewelers files, tweezers, screwdrivers and a razor saw for cutting.

Scenery

Each engine is than hand-painted exactly as the real engines appeared. His wife, Pat, has provided the added touch of buildings for scenery from various kits. In the process of changing the layout to a "point-to-point," the scenery will include a mountain range and a theme portraying the 1933-55 era.

For additional realism, Brownsberger has installed a magnetic coupling system that eliminates the need to touch the cars at any time. He has also changed his switches from slide to toggle because of the toggle's long-lasting effect.

But what he terms his "biggest thrill" of the whole thing is a plaque he received at the 1976 Des Moines Area Model Railroad Meet. He received a third-place honor for one of his Rock Island engines.

"I just about fell off my chair when they announced my name,

I really didn't expect to win anything," he recalled.

Still Observes

The great-grandson of a brakeman for the Wabash Railroad, Brownsberger has always been fascinated by trains. He used to watch the Rock Island roll through Anita, and still gets out and observes "the real thing" when he can.

"When you get right down to it, this (the model exhibit) is almost like watching the real ones," he remarked.

To accompany his model layout, he subscribes to three railroad magazines and consults a handy book entitled, "Rock Island Motive Power." The book is full of historical information and drawings about the Rock Island line.

"It's a shame The Rock shut down really," he says, "Energy-wise trains are a much more effective way to move freight."

For Brownsberger, the memories of the Rock Island Railroad will continue on forever.

— ANNOUNCING — A Series Of Informational Estate Planning Meetings

Topics to be covered in the meetings include: the need for estate planning; wills; trusts; probate; partnerships; corporation; life insurance; gifts; estate and inheritance taxes; and others.

To be held:

WEDNESDAY, FEB. 11 1:30-4:00

Atlantic, Iowa
4-H Building

THURSDAY, FEB. 12 1:30-4:00

Audubon, Iowa
Home Federal Meeting Room

MONDAY, FEB. 16 1:30-4:00

Red Oak, Iowa
Holiday Inn Meeting Room

TUESDAY, FEB. 17 2:00-4:30

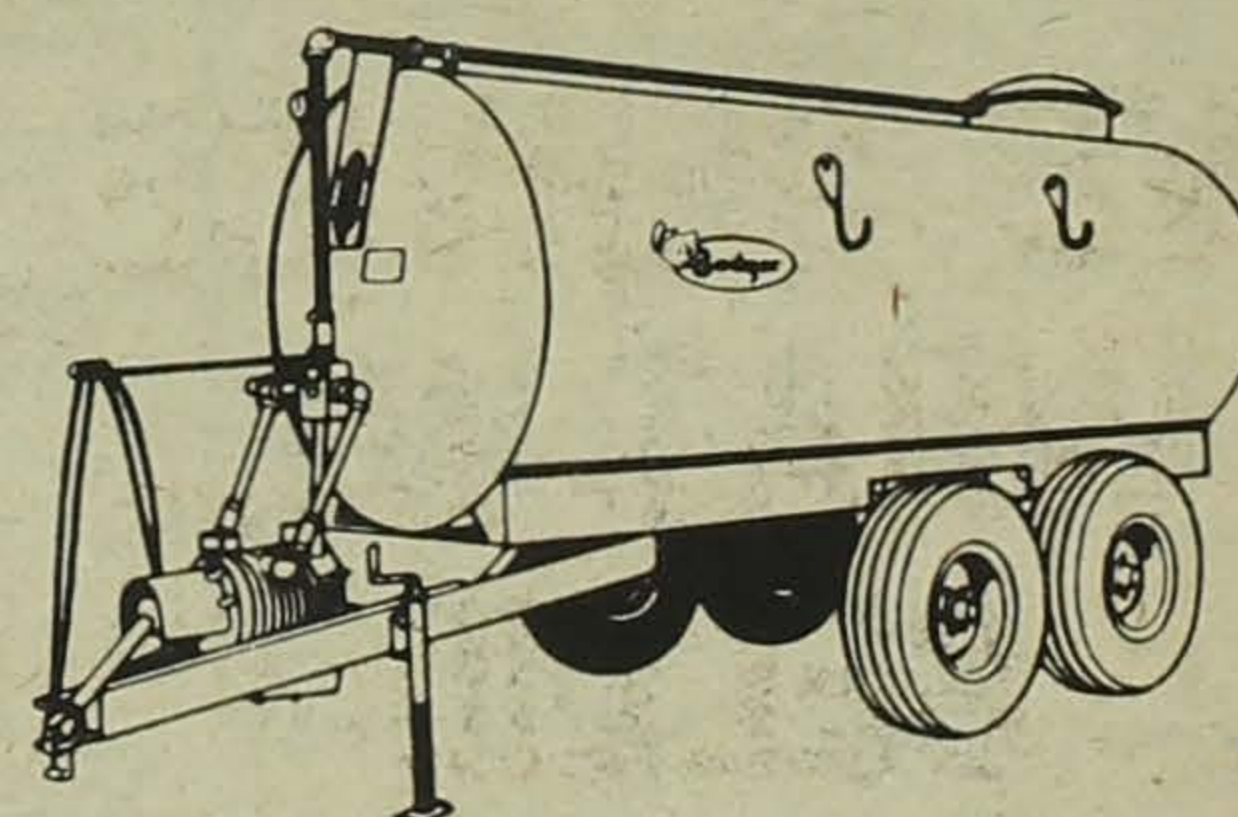
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Farmer's Coop Meeting Room

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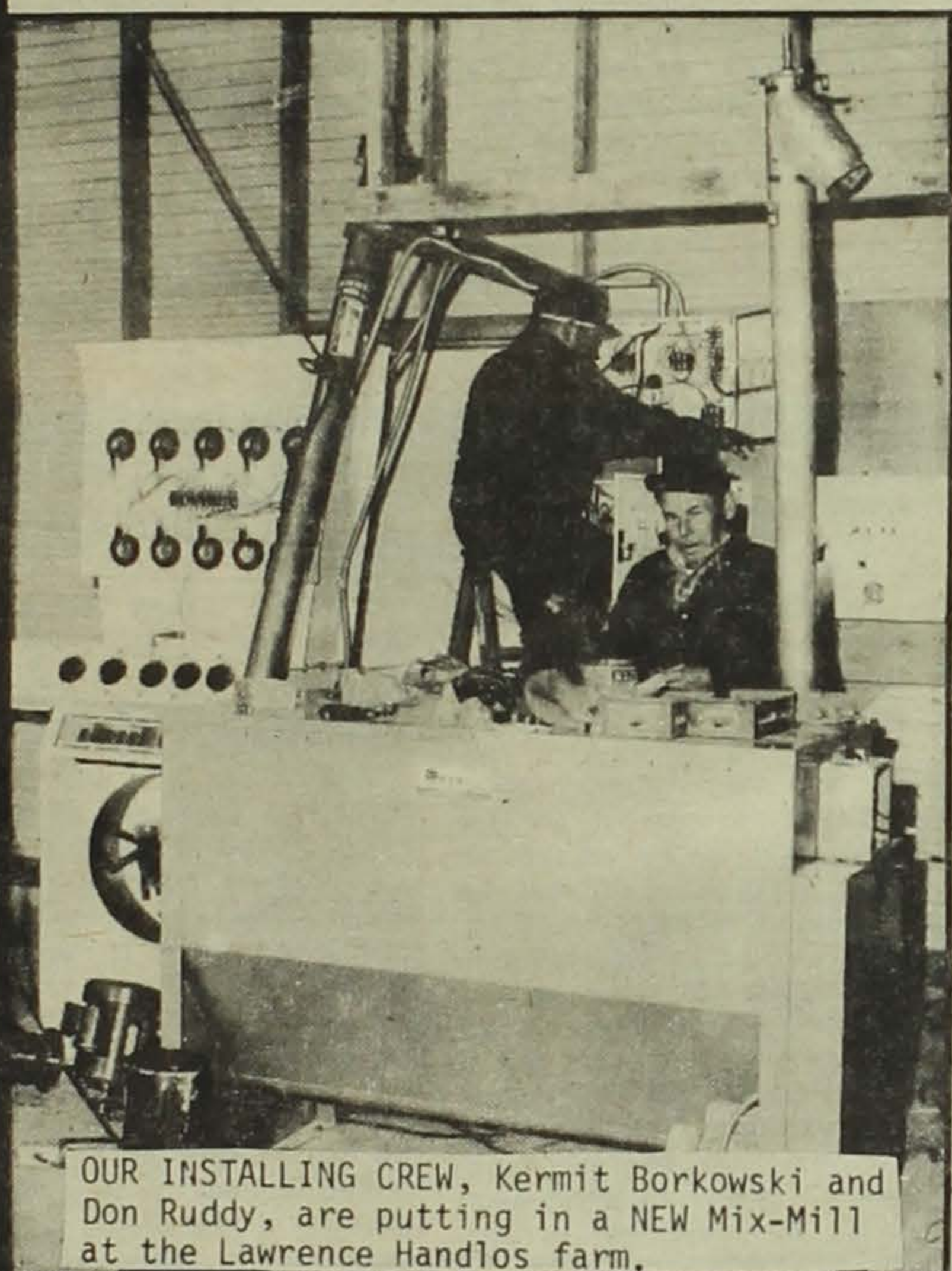
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VIC MADSEN, JR., Audubon -- Satisfied customer.

BUD SOULTS, Adair -- Satisfied customer.

JIM IRWIN, Bagley -- "Excellent! Minimum down time -- Not over two or three times in over 2000 hrs. of use."

VIC, SR., DAVE & PAUL MADSEN, Audubon -- "Using the grain we harvest assures us of the quality - whether that quality is good or poor - We can balance our ration accordingly."

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Audubon, Iowa

Boosting Forage Yields Aid To Cattle Herds

By The Cass County Soil Conservation Service

Producing 30-50 percent more pounds of forage per acre is one way to increase profits in beef cattle production. More pounds of forage per acre on pastureland is easily converted into more pounds of beef per acre. As the price-cost squeeze in beef production tightens, efficiency could easily be the key to staying in business.

"The full-season grazing concept is one method to gain the maximum return per acre of pasture. Providing palatable volumes of grasses or legumes every day of the growing season is possible with improved technology. Improved technology includes fertilization, weed control, rotation grazing, and the use of both grasses and legumes.

Competition

Research has proven that it is profitable to fertilize pasture. The increase in forage production will more than offset the cost of fertilizer in nearly every case. Split applications of fertilizer in April and August will yield even greater returns by supplying plant food continuously.

Weeds and brush compete for air, sunlight, moisture and nutrients, and drastically reduce pasture production. Simple methods of weed control and fertilization alone can

often double pasture output.

Including pasture legumes such as red clover, trefoil, or alfalfa can increase forage production and provide free nitrogen. Even well-managed grass pasture can be improved by the simple addition, through interseeding, of legumes. Precautions to prevent bloating will be needed for some legumes such as alfalfa.

Bloating Hazard

The bloating hazard can be ignored if one-third of the pasture land is seeded to native grasses. The most common and easiest warm season grass to establish is switchgrass.

This grass requires very little fertilization and will make heavy production in the hot months of July and August.

Switchgrass, one of the original prairie grasses, plays an important part in keeping pasture production high through every day of the growing season.

Management of the beef cow herd itself is important. Forage production to meet the feed requirements for the herd is equally important. Good pasture management combined with management of the herd is the key to profits.

Good pasture management is also important to wise land management since acres in profitable forage production are acres protected from soil erosion.

Planning assistance is available from your local SCS or Extension Service office in Atlantic. A full season pasture program is possible on nearly every farm to keep the cow-calf business a part of every farming enterprise.

TURN TO ASHES

NORRISTOWN, Pa. (AP) — They call him the Ash Baron, but people aren't buying his 40,000-pound legacy of Mount St. Helens' eruption.

For Jack Castenova, the title he has earned may be the only thing he'll get out of a \$10,000 investment in hauling and trying to market 20 tons of volcanic ash in two-ounce bottles.

"I've pretty much given up on the idea of selling ash as souvenirs," the 40-year-old Norristown entrepreneur said, five weeks after he announced his goal to sell as many as 600,000 bottles at \$5 each, grossing up to \$3 million.

At the time his brother, Tony, had just arrived here with a tractor-trailer load of ash that public works crews had swept from the streets of Yakima, Wash.

"There's too much competition. Everybody got on the bandwagon after the eruption," he said. He placed a \$400 ad in a magazine only to find that three competing mail order companies advertised their ash in the same issue.

ASCS Spends \$84,568 To

Help County Conservation Work



Members of the ASCS staff are Elaine Martens (seated) and standing, from the left: Marilyn Smith, Beverly Donels and Sharon Boken.

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

The object of ACP is to assure a continued supply of food and fiber for a strong and healthy economy by conserving the soil and water quality.

In order to do this, the Cass County committee follows a cost share program on practices which control erosion and sedimentation from agricultural land. Farmers who receive ACP funds are responsible for sharing a portion of the cost and maintaining the practice.

In the 1980 fiscal year a total of \$84,568 in federal cost share funds was paid out to eligible farmers to solve conservation problems in the county.

Distribution

Of this about 75 percent went for permanent vegetative cover establishment, six percent for permanent vegetative cover improvement one-half of one percent for stripcropping systems, 38 percent for terrace systems, one percent for diversions, two percent for water impoundment reservoirs, eight percent for sediment retention erosion or water control structures, 22 percent for sod waterways and one half of one percent for forest tree plantations.

Also, during the 1980 fiscal year, a long term agreement (LTA) was approved by the

county committee for \$6,943. This agreement follows a conservation plan designed by Soil Conservation Service to solve a conservation problem during a three year period. At the present, Cass County has eight active long term agreements.

Special Project

Something new for the county is the Turkey Creek Watershed special project. In cooperation with the Cass County Soil Conservation District, this special project was approved to get additional erosion control and to provide the necessary treatment for 31 landowners above four Turkey Creek Watershed structures. ASCS has been allocated \$60,881, for its portion of this special project.

Personnel at the ASCS Office include Elaine Martens, county executive director; Marilyn A. Smith; Sharon Boken; and Beverly Donels, program assistants.

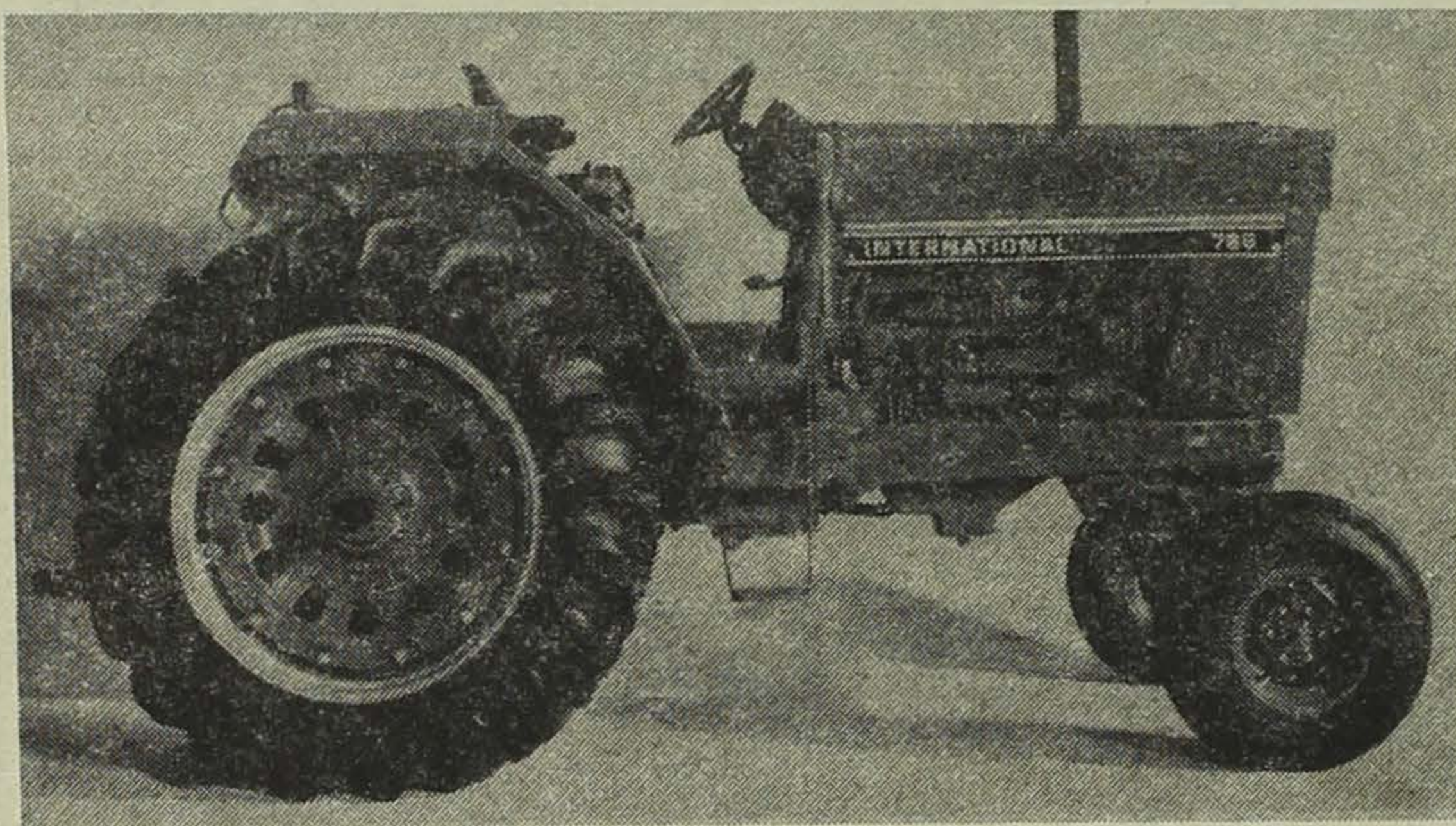
The Cass County Committee consists of Folmer Nelsen, chairman; Emert Euker, vice chairman; and Rober McLaren, regular member.

Applications are now being accepted at the county office for 1981 ACP and LTA cost share.

A practice which has been started prior to approval by the county committee is ineligible for cost share. The maximum cost share limitation per person per year is \$3,500.

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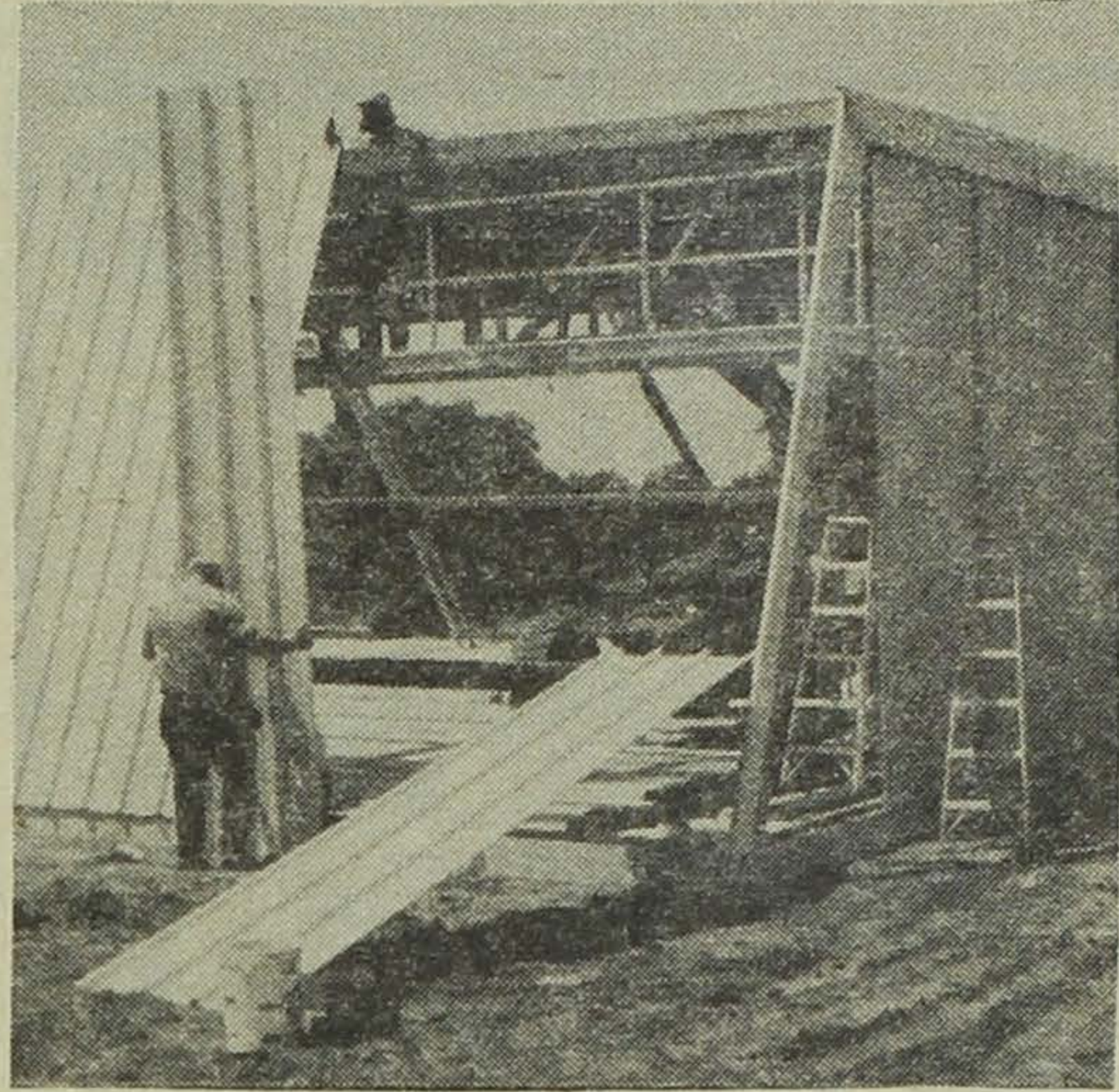
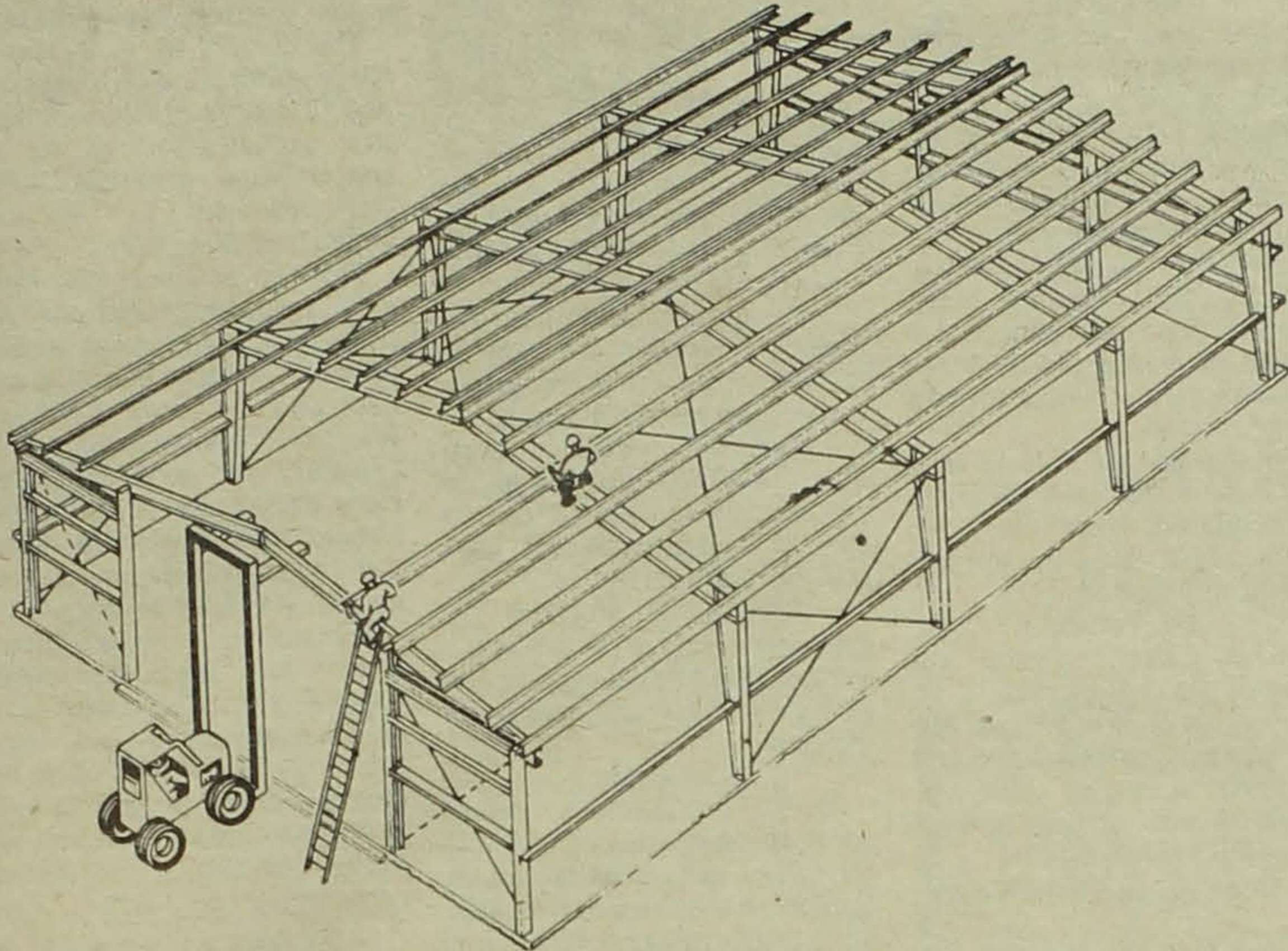
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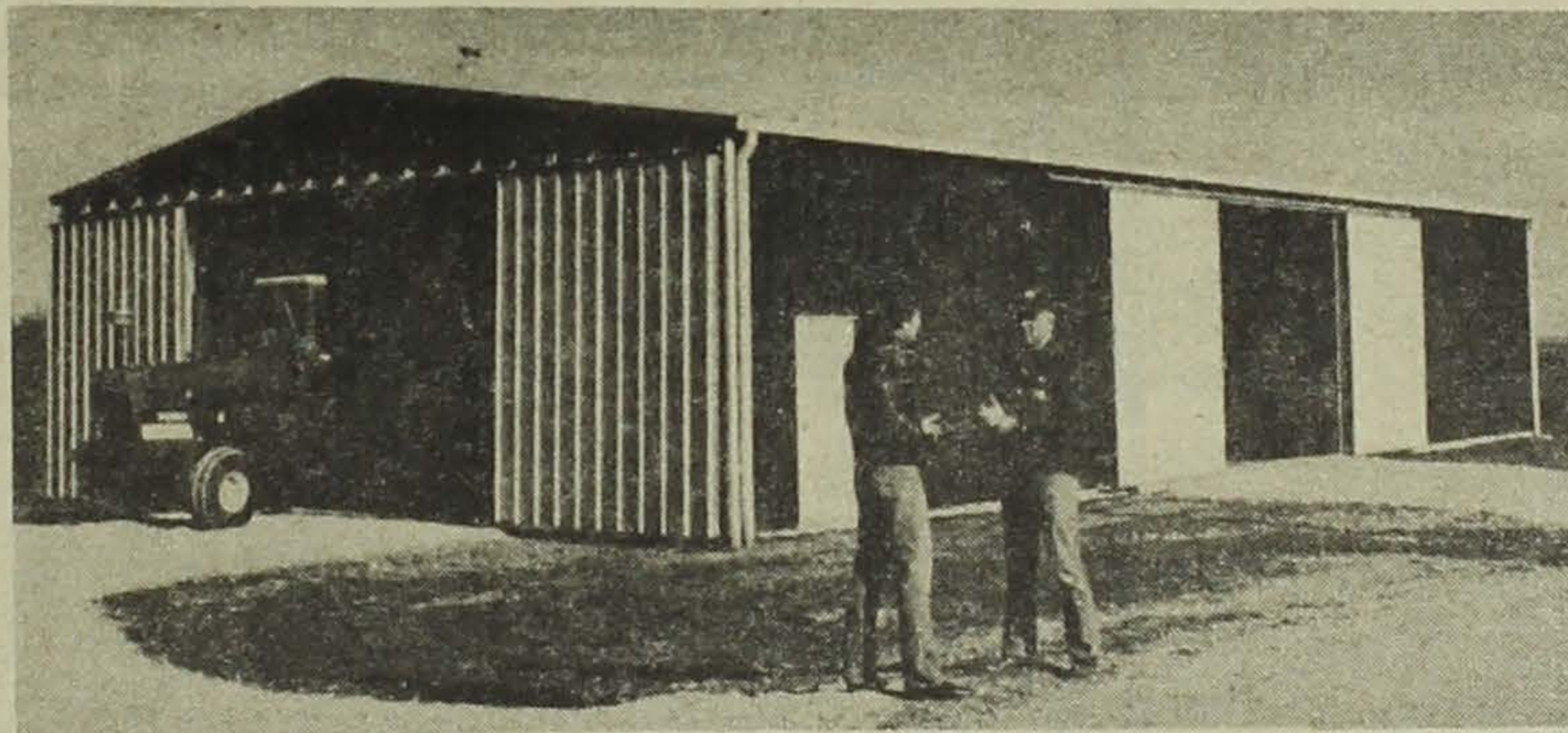
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Action Plan Designed To Save Iowa's Soil Being Completed

By Lawrence G. Vance,
Director
Iowa Department of
Soil Conservation

The State of Iowa can take pride in the many good things that are happening in Cass County. The activities reported by the Cass County Soil Conservation District reflect the benefit of local leadership by the district governing board of G.M. Baier, Tom Magill,

George Hosfelt, Lawrence Blunk and Max Miller.

The work of Department of Soil Conservation employee Carolyn Wilson and Soil Conservation Service personnel William Willis, R. Elmer Ouderkirk, William Eyberg, and Duane Ortgies is apparent.

Your county has been richly blessed with a blend of soil, climate, and topography which allows it to contribute to Iowa's

ability to lead the nation in corn, soybeans, and livestock production. Since eight of 10 jobs in Iowa depend directly or indirectly on agriculture and one-tenth of the nation's food comes from Iowa, maintaining the soil resource is a responsibility that can't be taken lightly.

Two For One

It has been widely reported that in Iowa we lose two bushels of soil for every bushel of corn produced. As a result of recent county-by-county resource inventories, the following conclusions have been drawn:

—Two-thirds of our 18,000,000-acre cropland area is being depleted by wind and water erosion at a rate two to three times the rate at which the soil is regenerated.

—At the present rate of land treatment, it will take 150 years to adequately treat the land, and by then most of our soil will have been depleted.

Projection

Unless current trends are changed, we project that:

—Erosion rates of 9.9 tons per acre per year will continue and a gross erosion loss of 261,000,000 tons per year in Iowa will result, which will:

A. Diminish productive capacity.

—At a \$5 nutrient value per ton of soil, this is a \$1,300,000,000 loss in fertility alone on an annual basis.

—The soil tilth will be reduced, restricting air and water movement and plant root growth.

—Iowa's entire economic base could be in trouble if the agricultural economy is jeopardized.

B. Contribute to nonpoint source pollution.

—Water quality will continue to be degraded.

—Aquatic life and habitat will be reduced.

—Maintenance of drainage ways and reservoirs will consume tax dollars we'd rather spend elsewhere.

—Sediment removal costs several times more than the investment to conserve soil.

Limits

We are moving from an

Lawrence Vance



agriculture characterized by excess to an agriculture characterized by limits. We are becoming aware that we have been lulled into a false sense of security by full grain bins.

—Economic and environmental restraints are showing us that we have masked erosion with cheap fertilizer inputs.

—Loss of productive capacity, due to erosion, and loss of cropland base, due to conversion to non-agricultural uses, are limiting factors.

—Excessive wetness of 9,600,000 acres, or 28 percent of Iowa's agricultural cropland, is reducing cropland productive efficiency.

Program

These conclusions report what is happening to us. Although we can report that many landowners have acted responsibly to control erosion, we can't afford to rest on our laurels when much of our soil resource is being rapidly depleted.

We are well aware that current erosion rates have resulted from many influences. It will take an innovative approach to deal with the forces that cause erosion. There is no "one size fits all" program that can solve the problem due to variations in soil types, farming intensity, topography, etc. That's where locally elected commissioners come into the picture. Your soil conservation district commissioners are in charge of setting priorities and developing a soil and water management program to meet local needs.

In an effort to come to grips with the soil erosion problem, permanently and affordably, your commissioners are granted several authorities by the State of Iowa regarding educa-

tional, technical, and financial assistance programs.

Expansion

The state's commitment to local leadership and accelerated efforts for erosion control and water quality improvement were confirmed last year as the program options for soil conservation districts were expanded.

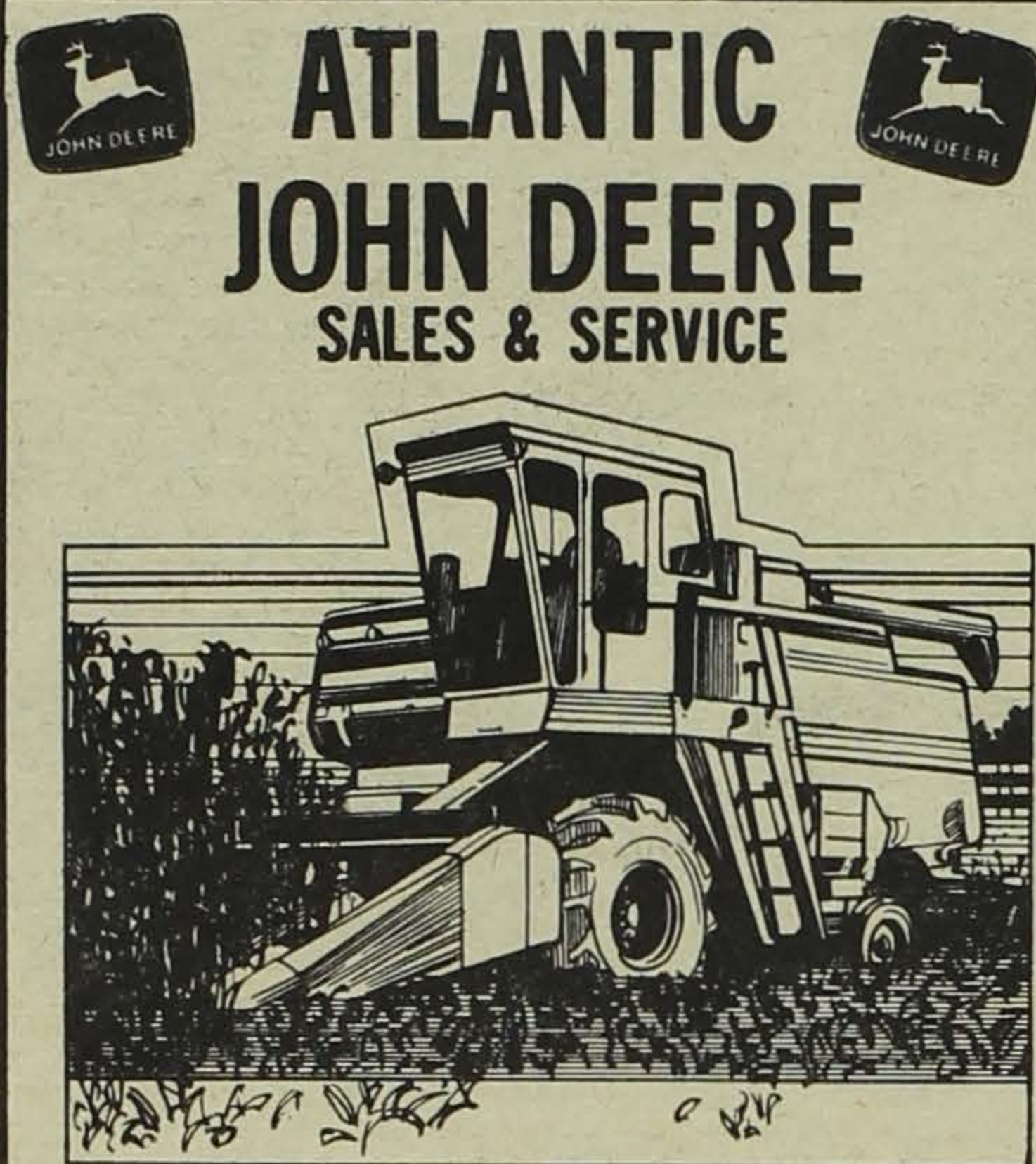
The results of a legislative study committee of 10 senators and 10 representatives, holding four public hearings on soil conservation program needs, were reported to the Iowa legislature last year.

This report was complemented with recommendations from the state's nonpoint source pollution control planning process and the Iowa Five-Year Resource Conservation Plan. Difficult, yet deliberate, decisions were made to establish a 20-year master plan to reduce soil losses to nondepleting levels by the end of the century.

Legislative amendments, known as "Iowa Soil 2000", expanded district commissioner responsibilities and established a "by when" date for erosion control programs to be in place to achieve the soil loss limits established for all soil types in the early 1970s.

In effect, the amendments changed the program from one of waiting until the landowner or operator voluntarily requested assistance or when a complaint stimulated a reaction to sediment damage, to a program with options ranging from contacting landowners to create awareness of existing problems and assistance available to resolve them, to acting to prevent damage when there is just cause to do so.

We believe this "early warning system" and added assistance to landowners and operators will stimulate more voluntary erosion control. We are developing new program options of working with groups of landowners, summer construction incentives, crop residue management, and conservation planning assistance, which are cost-effective approaches to get more land treatment for the dollar invested.



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Interest waiver till March 1, '81

'74 J.D. 4430, cab, heater, air, Quad Range	\$18,995.
'75 J.D. 6030 with cab, heater, air, dual 24.5x32 tires, 1500 hrs.	\$26,500.
'71 Ford 9000D, turbo with cab, heater	\$9,500.
IHC 706 G, WF	\$4,195.
Ford 901G, with 3 pt. hitch	\$2,195.
Gehl 2500 skid steer loader	\$4,950.

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'73 J.D. 4400 D with J.D. 440 CH 13' platform	\$27,500.
'76 J.D. 7700 turbo hydro, heater, air	\$44,900.
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'73 J.D. 6600 G, heater, new overhaul	\$19,500.
'76 J.D. 653 row crop head, new auger	\$7,500.
'79 J.D. 643 CH	\$8,900.
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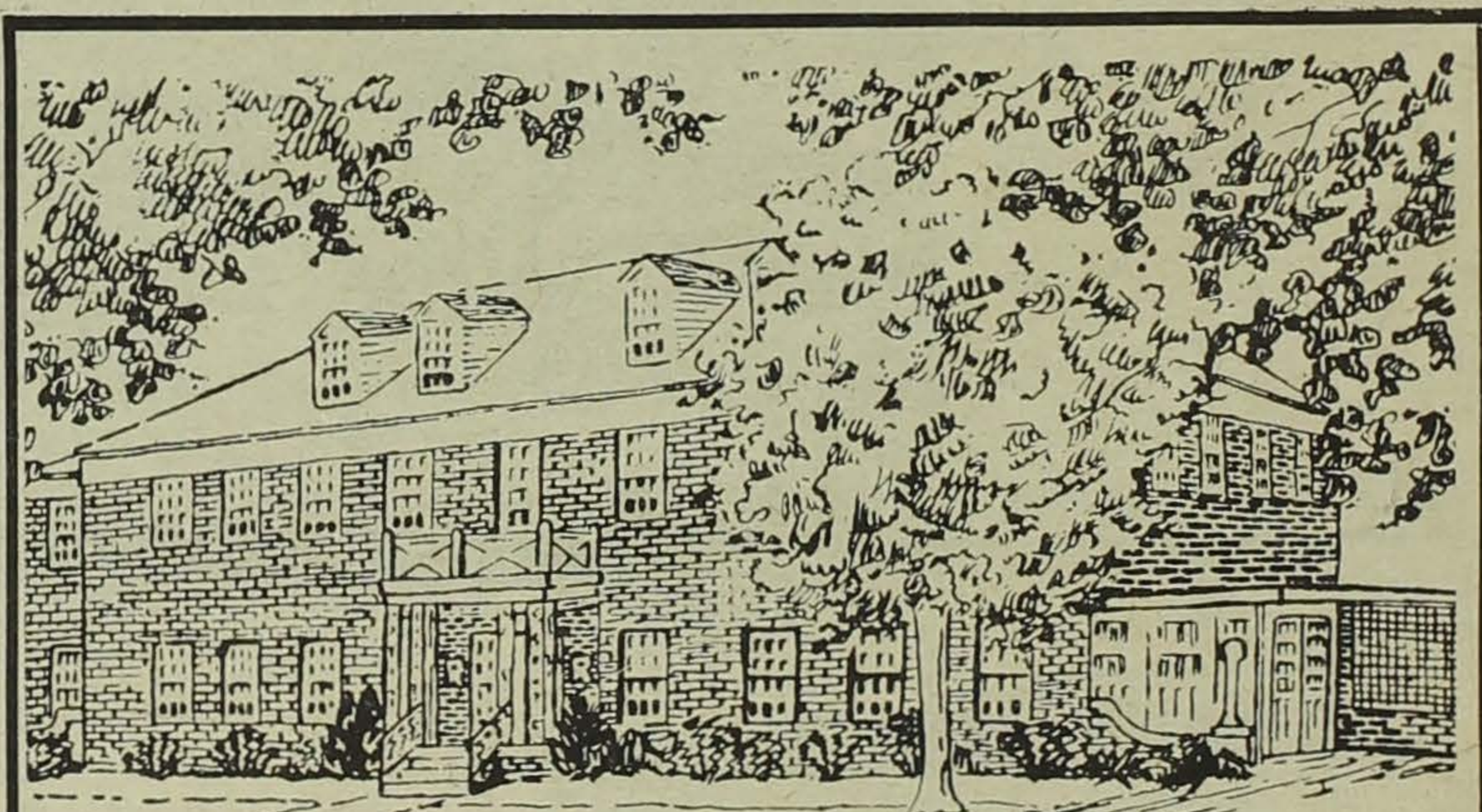
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PUPPY

TOLEDO, Ohio (AP) — Edward Grahast says he experienced a strange incident recently and everyone can draw his own conclusions.

While he was visiting his wife's grave, he found a friendly miniature Pomeranian sitting in his car. He looked around to find the owner, but there was no one near. So he eventually took the dog home.

Several days later, an add about the puppy appeared in a newspaper and Grahast reluctantly contacted the advertisers. A man and his daughter came to see the dog, and the moment the girl and dog saw each other, Grahast knew that they belonged to each other.

Then the father said, "My daughter was so heart-broken at the loss of her puppy that I went out and bought her another just like this one. We don't need two. I'd like you to take the other one as a reward."

Grahast accepted the offer with pleasure. Its pedigree papers showed the date of the pup's birth to be April 9, the day after Mrs. Grahast died.

A ton of bacteria eats 10 times as much as a ton of mice.

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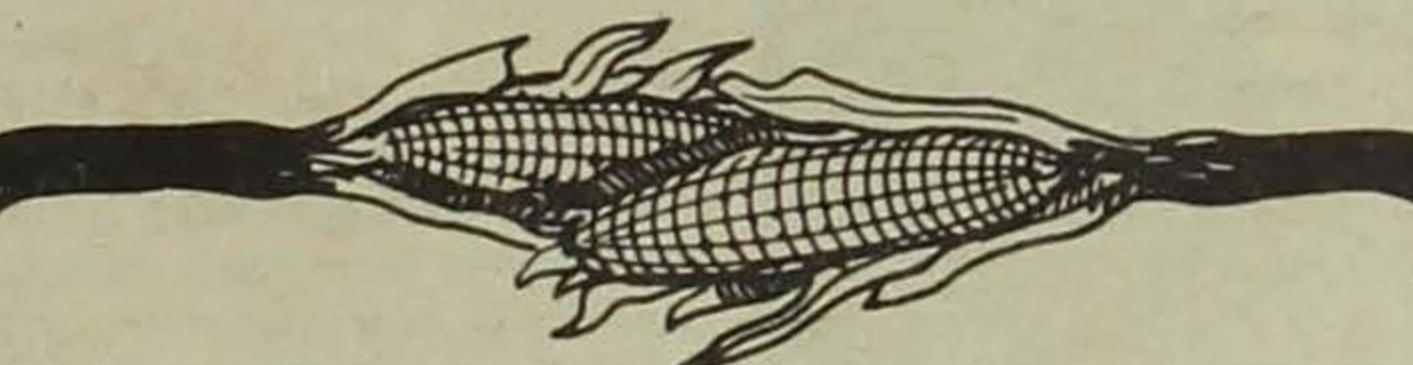
Richard Ford — Bridgewater



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CROP PRODUCTION

Iowa's 1980 corn production at 1.46 billion bushels was 12 percent lower than the 1979 crop.

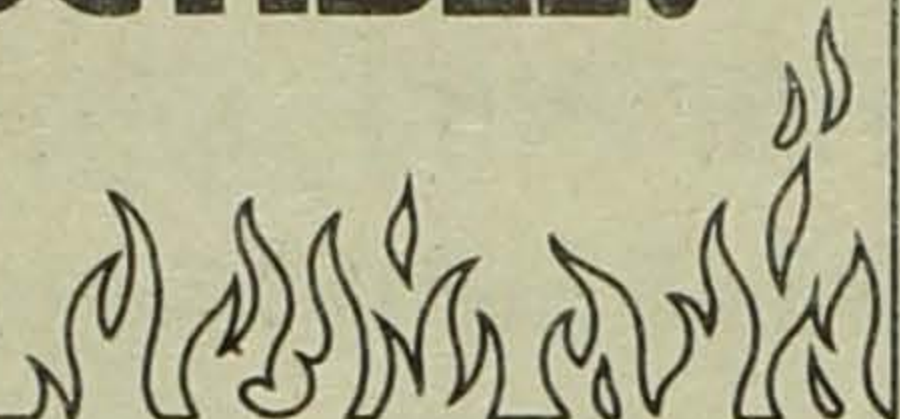
Production of soybeans was 322.5 million bushels, a new record and five percent above 1979. The average yield was 39 bushels per acre.

Two percent fewer oats were harvested in 1980 because of a

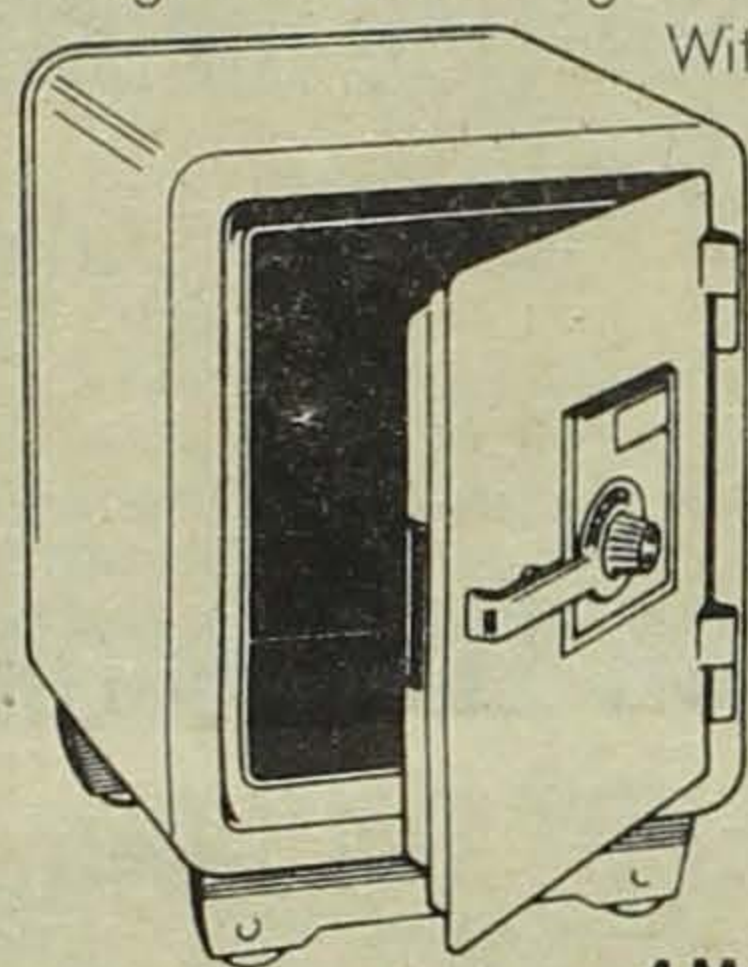
corresponding decrease in yield. The production of 62 million bushels was harvested from an estimated million acres.

The 1980 hay crop was placed at 8.04 million tons, eight percent less than was harvested a year earlier. An average yield of 3.54 tons per acre was harvested from 2.27 million acres.

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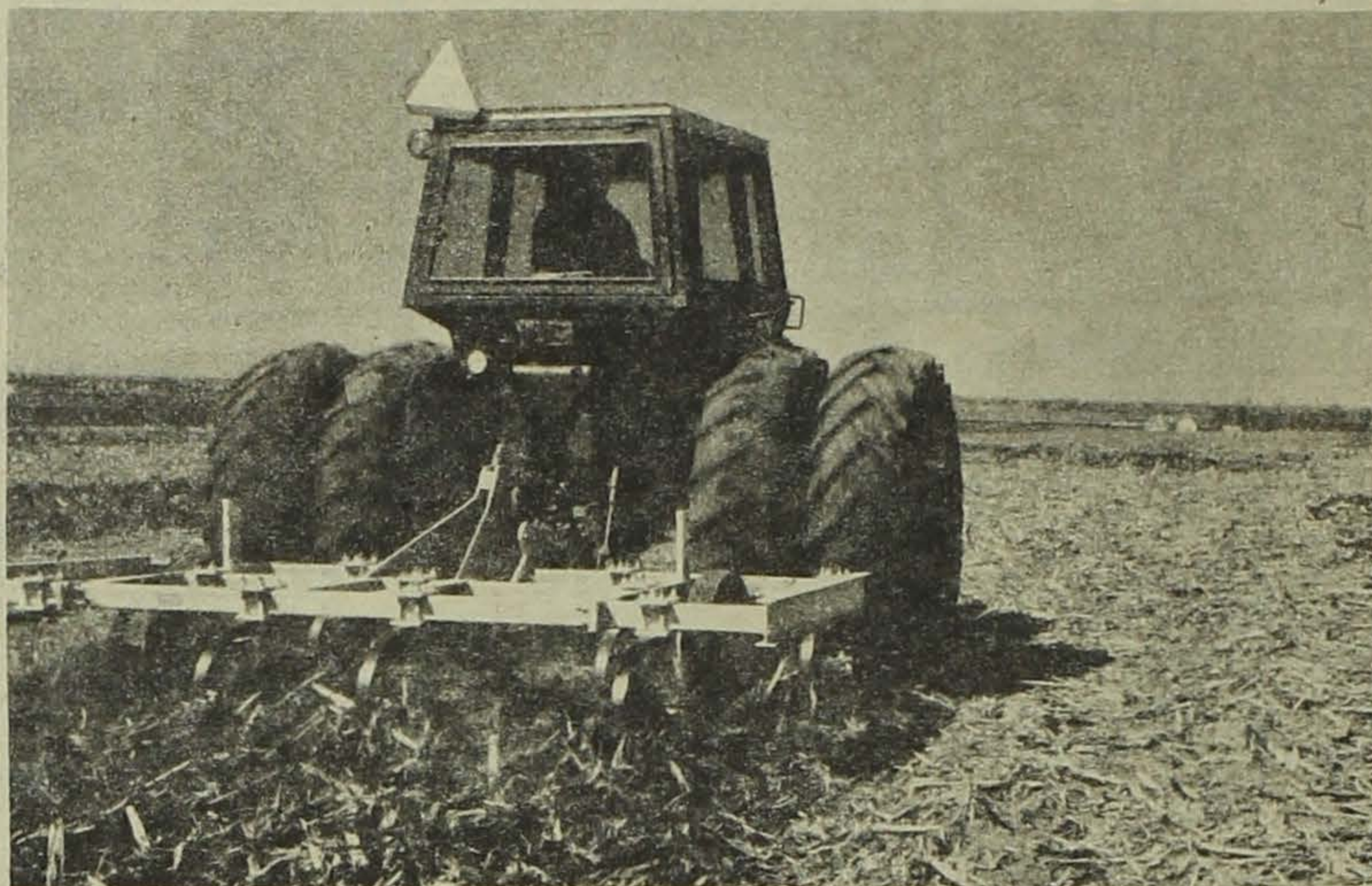
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List Results Of Conservation Tillage Plots



By G. M. Baier
Cass County Soil
Conservation District
Commissioner

The Golden Hills conservation tillage demonstration plots in their third year are being used to show the use of conservation tillage systems on row cropland.

By definition, conservation tillage systems leave some of the previous year's crop residue on the surface. This can help keep precious soil and water resources in the field.

Six tillage systems are being demonstrated — disk, spring chisel, fall chisel, till plant, slot plant and conventional (moldboard plow).

It is planned to continue these demonstrations for a long period of years. The results from these plots differ according to growing conditions; therefore any one year's statistics should not be considered a definite answer.

Looking over the three-year report, fall chiseling, slot planting and till planting (Buffalo planter) have the least amount of soil loss. Slot planting is first with the least amount of run off.

Looking at cost of field operation up to and through planting for the 1980 crop year, the best three are till plant, \$19.99

per acre, slot plant, \$15.70 per acre and fall chisel, \$24.10 per acre.

The weed control is varied because over the years several herbicides have been used, and we have had a variety of weather conditions, going by the charts the tandem disk shows up the best, with the chiseling next and till planting is also very good.

Yield checks have been made each year and are varied. In 1980, a year of drought, there were some very great differences, with till planting having a 10 percent greater yield.

The next two were fall chisel and slot planting. The difference in yield from top to bottom was 40 percent.

I feel till planting (Buffalo planter) is showing up very well in all areas. This of course included the amount of soil having the plot. The generous amount of residue left on the surface of the field nearly eliminates any run off. Slot planting leaves an even greater amount of residue on the surface. Volunteer corn is less of a problem with these two systems.

The test plots are located about a mile south of Oakland on the east side of the highway. Stop by next spring and sum-

mer and see how the crop is growing.

Stripcropping Low Cost Way To Stop Erosion

By Larry Harris
Atlantic Farmer

My Dad, Lyle, and I were looking for the most cost effective means of controlling erosion of 50 acres of Adair soil on a 9-14 percent slope.

We chose stripcropping because of the negligible, initial investment, the fact we were eligible for a payment of \$4 per acre through Agricultural Stabilization Conservation Service, and because in our operation we utilize small grain and hay.



Larry Harris

The theory behind stripcropping is to alternate grass and hay strips with cultivated or row crop strips in such a way as to keep soil movement from the cultivated strips to a minimum and to insure retention of that soil in the adjacent grass strip.

Soil Conservation Service personnel laid the strips out on the contour line of the slope in ninety foot widths which accommodates 28 38-inch rows.

The effectiveness of this system in erosion control was proven, without a doubt, this last summer, but the occurrence of two hard hitting rain storms of two-inches of rain and more in short periods of time. Sheet erosion was severe on those strips under cultivation, but in no instance did the soil, moved by the rain, wash completely across the grass strip below.

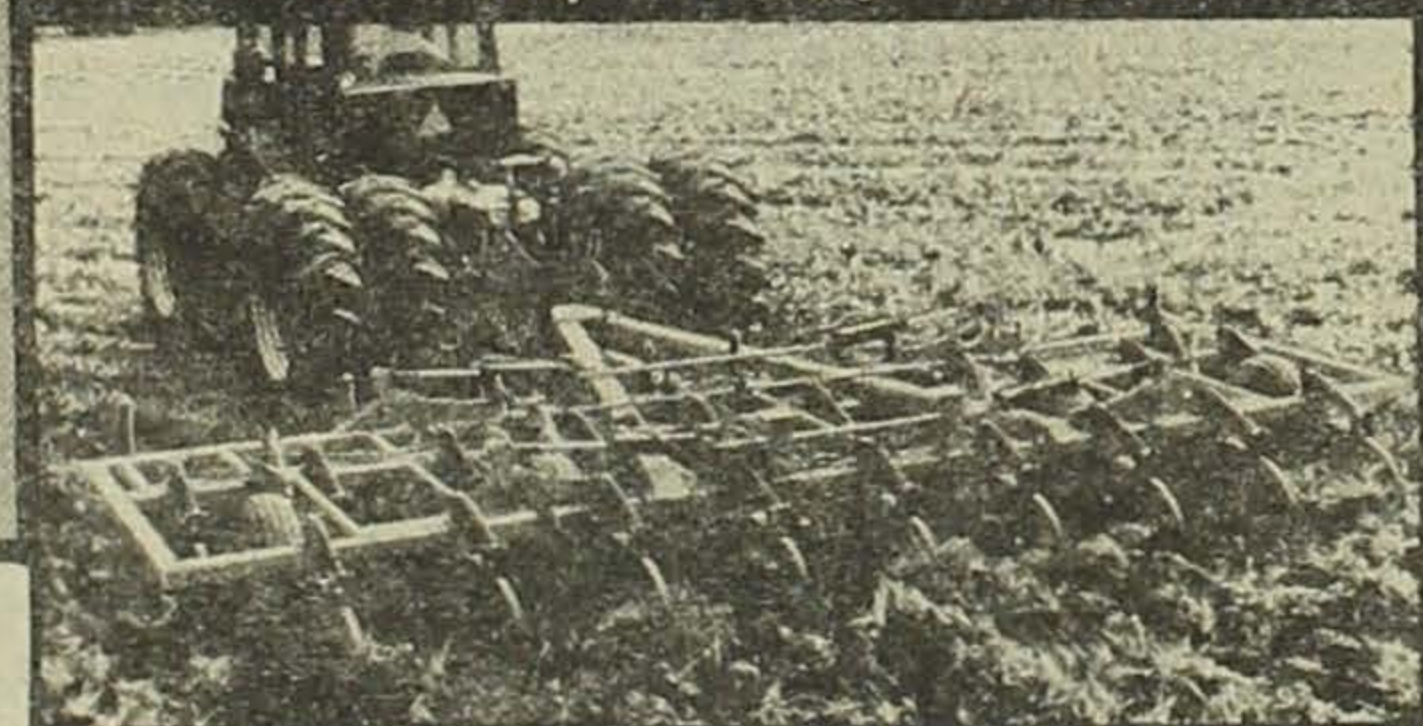
At the top edge of the grass strips, soil was built up to a depth of 2-6 inches and, at several points, covered the hay or grass almost the complete width of the strip. Even though some small grain and hay was buried, I feel fortunate in that the precious topsoil was not lost.

We are planning on putting another 40 acres in stripcrop, in the near future, because we figure by retaining the productivity of the land it will profit us now, as well as generations to come.

ONE TRIP TILLAGE LANDOLL SOIL-MASTER & TILLOLL

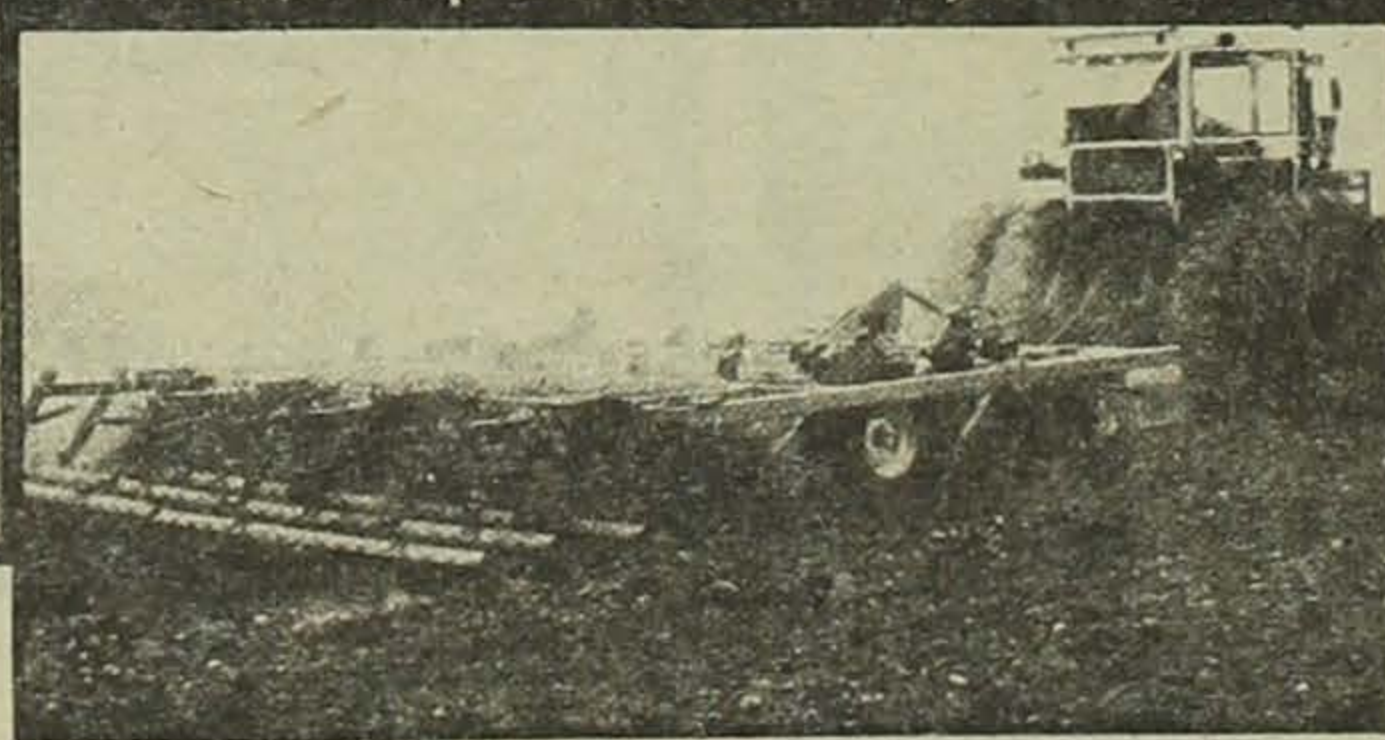
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Kittenish Lion And Dive-Bombing Seagulls Made News In 1980

Donkeys and elephants may have dominated the nation's headlines in the election year of 1980, but they got a lot of competition from some wacky wildlife and domestic animals, according to the National Wildlife Federation's annual report on animals in the news.

A dandy lion that charmed its captors in New York City, a squadron of seagulls that dive-bombed a parking lot in Maryland, and an English bull whose romantic antics fathered a \$352,000 lawsuit were among the birds and beasts that vied with the political critters for public attention. Most of the news made by animals was amusing, but a few deaths occurred where humans exposed to wildlife failed to take adequate safety precautions, the NWF roundup showed.

The year's top story, appropriately, involved the king of beasts. It began when Albert Sima and two friends returning from a pigeon race encountered a 200-pound lion outside a graveyard in Queens, a borough of New York City. When Sima, a 29-year-old meat distributor, gingerly approached the big cat, it greeted him by rubbing its body against his legs. Then, when Sima opened a door of his pick-up truck, the lion hopped in.

To Bronx Zoo

Predictably, the police refused to believe Sima after he drove home and called to report his find. When, after several calls, the police finally came, the lion climbed onto the front seat of their patrol car for a ride to the Bronx Zoo.

But there was no den at the zoo for Henry, as he was now known to a growing circle of friends. The American Society for the Prevention of Cruelty to Animals had to step in and find a place for him in a private zoo at Scotch Plains, N.J., where he now entertains visitors and plays an occasional charity benefit.

The police never located Henry's owner. ASPCA Director John Kullberg called him "just about the friendliest wild animal I've ever met."

Considerably less friendly were the seagulls at Cambridge, Md., who, apparently in protest against a parking lot in the midst of their habitat, bombarded the lot with oyster shells. Several car roofs were dented. In another apparent protest, 4,000 dolphins massed around the Japanese island of Iki and forced fishing boats back into port. Observers speculated that the dolphins were angered by the fact that Iki fishermen had just netted and killed 200 of their number.

Bull Stories

Several bull stories made news. In one of them an English Holstein named Arab was placed on a regimen of total abstinence after over-exerting himself while servicing 29 heifers from Wales. But the plan went awry. When several cows from a neighboring farm wandered into his pasture and Arab again turned romantic, he destroyed his usefulness as a stud, his owner charged in a \$352,000 lawsuit against the neighboring farmer. A judge ruled that the damage was done during Arab's first orgy and awarded his owner only \$347.24.

A shocking story came from Tokyo, where a cow got tangled in a power cable network, causing an short circuit which

halted 20 high speed trains for more than an hour. The cow was electrocuted.

In Bangladesh, wildlife got the upper hand when nearly a thousand hissing, poisonous snakes took over a town, diverting traffic and sending people scurrying for cover. The vipers' nest had been disturbed by a road repair crew.

In Buena Vista, Cal., a burro named Billy Carter won \$1,200 and the second Annual Triple Crown Burro Race by covering 25 rugged miles in three hours and 20 minutes.

In Huron, S.D., a slithering creature named Billy Carter won a "book" worm race at the local library. His triumph proved short lived when a judge accidentally stepped on him.

Does a cockatoo have the right to remain silent? A judge in Norfolk, Mass., ruled affirmatively when Jane Messina sued Debby's Pet Land for triple damages because a \$1,200 white sulfur-crested cockatoo named Sheba that she bought from the store refused to talk.

A veterinarian testified that some birds, "no matter how much time you spend with them, won't talk." Dismissing the case, Judge Vincent Brogna agreed: "They're like humans."

Cockroaches

Convinced that cockroaches are also like people, a team of scientists at Emory University in Atlanta trained some roaches to run on a treadmill with weights attached to their legs. The purpose wasn't to lose weight, but to learn more about failure of the metabolic process in ailments such as muscular dystrophy and multiple sclerosis.

Nature dealt some terrible blows to wildlife, as when the eruption of Mt. St. Helens in Washington State wiped out at least 1.5 million game birds and mammals and an estimated 11 million fish. So did man. Oil spills in Maryland killed 40,000 fish and a sewage discharge from a Virginia coal plant destroyed 43,000 more. Five million honey bees suffocated in the baggage compartment of a 727 jet on a flight from Arizona to Canada.

But the worst stories involving wildlife and humans came from Glacier National Park, where three people were clawed to death by grizzly bears — bringing to six the number

killed by grizzlies in the park's 71 year history; from Perth, Australia, where a 12-foot long saltwater crocodile killed a late night swimmer; and from Dallas, where an eight-foot-long pet python escaped from its aquarium, slithered into the crib of a sleeping 7-month-old baby girl and crushed her to death.

In a grim counterpoint to that story, an 18-month-old baby girl in Melbourne, Australia, killed a venomous eight-inch snake by biting its head off.

Postal Service

Wild animals tangled with the U.S. Postal Service in two areas, National Wildlife's third annual survey found. A peeved 'possum was found in a Front Royal, Va., mailbox, where someone had dropped him, apparently as a joke. Not amused the 'possum chewed or otherwise defaced about 40 letters. Another joker, in November, put a tiny warbler in a mailbag headed south from New York. It got only as far as Philadelphia, but a Kennebunk, Me., woman talked Delta Air Lines into flying a shivering robin all the way to Florida.

In Tempe, Ariz., the jogging craze got some new participants — a herd of pigs — when Arizona State University researchers decided to test the effects of that sport and high fat diets on heart problems. Prodded along by the researchers, the porkers were ordered to jog about two miles a day. They showed some striking similarities to humans.

"They burn up the track for about the first lap, said Ross Consaul, one of the researchers. "After that, most of them need some encouragement."

MEMORY QUILT

TOLEDO, Ohio (AP) — A memory quilt, made up of 61 patchwork squares, each prepared by a relative or friend, was given to Glovan and Marion Brown on their 40th wedding anniversary recently.

The project had been started 10 months ago when the Browns' three children sent the cloth squares to various people informing them of the surprise gift.

The various squares depict the Browns' interest in their grandchildren, and in card playing, dancing, gardening and travel. Brown is a retired mail carrier.

Most seed mixtures sold as wild bird food are largely unattractive to birds, according to the Fish and Wildlife Service. Best bets are proso millet and black oil-type sunflower seeds. Flax, canary, rape, sorghum, wheat, oats, cracked corn and rice are rarely or occasionally attractive.



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Frontier Women Got Along With Indians

CEDAR FALLS, Iowa (AP) — In contrast to what has been written in history books, a University of Northern Iowa professor has found that frontier women in America got along fairly well with Indians.

Dr. Glenda Riley, a professor of history, recently completed a research project on women who lived on the American frontier. She did most of her research from diaries, most of which were about a century old and the size of a small address book.

Ms. Riley read 100 diaries from three collections in California and found that only 15 women recorded serious trouble with Indians and 20 mentioned minor trouble.

"For the most part, they traded with them, they visited their camps and they made dolls for their children," Ms. Riley said of the relationship between the pioneer women and Indians.

"Working with the diaries was exciting," Ms. Riley said.

When she read an account of a woman crossing a river, she said she realized the woman probably was writing in the diary while making the crossing.

However, transcribing the entries was difficult at times, Ms. Riley said. She said the handwriting was different, more flowery and smaller and some of the pages were yellow because the diaries had been kept in trunks for many years.

Need Better Erosion Control In Iowa

By William J. Brune
State Conservationist
Soil Conservation Service

Iowans consider soil erosion to be the state's No. 1 resource problem. Public awareness of environmental issues is encouraging. But calling erosion a problem in 1980 was an understatement.



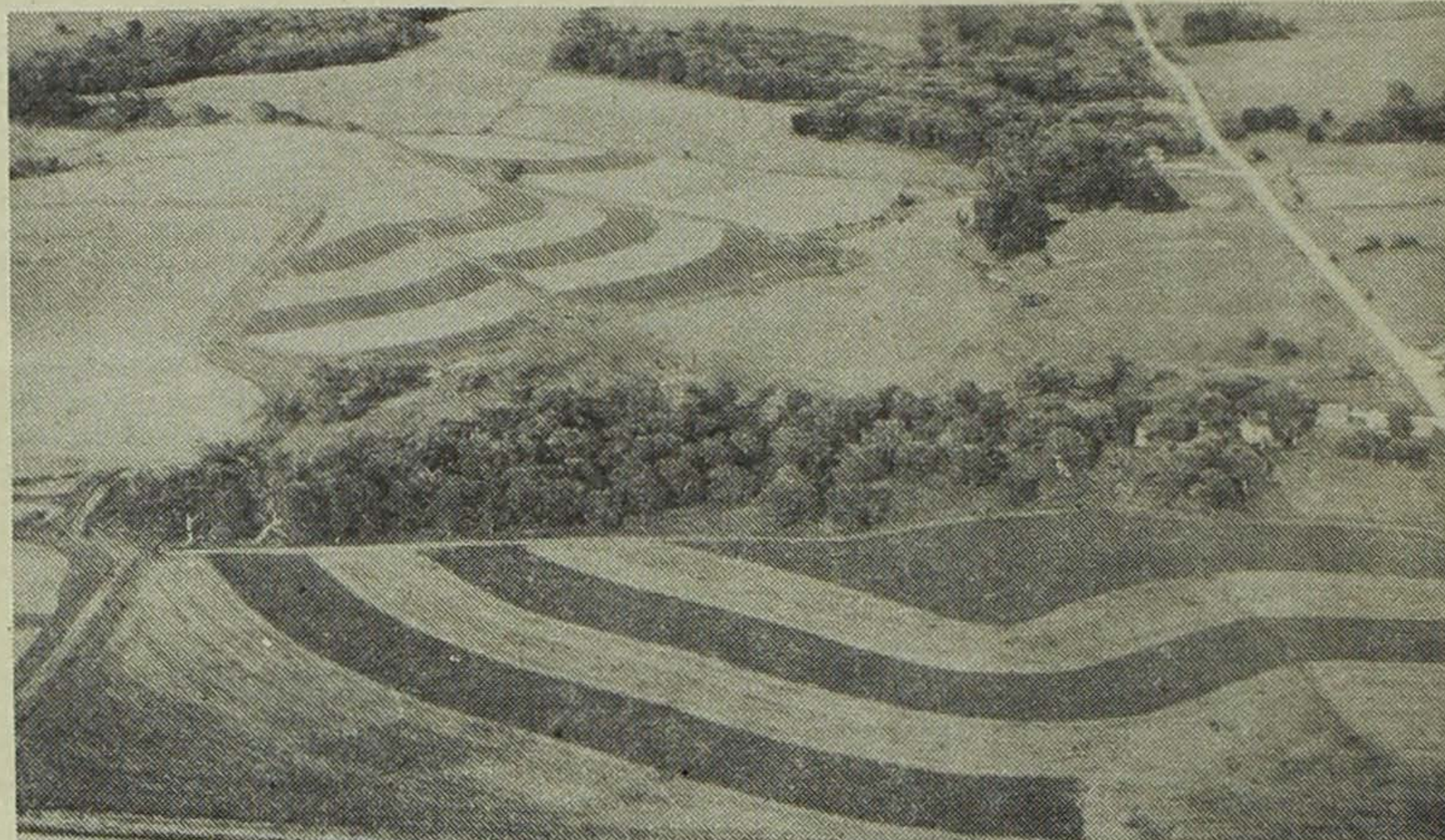
William Brune

Heavy rainfall in June caused some of the worst soil erosion ever in Iowa. Over four million acres of Iowa cropland lost more than 10 tons of topsoil an acre.

Cass County was especially hard hit, with some fields losing 150 tons of topsoil per acre. It will take nature 500 years to replace that soil lost in just a few days time.

When you consider that we can't afford to lose more than five tons of topsoil per acre per year over the long run and still keep our land productive and our water clean, you'll realize how serious the erosion was last year in Cass County and across Iowa.

Much of the land suffered rill erosion as deep as it was tilled. In some areas, the rains came so hard and fast, they caused extensive damage to conven-



A typical strip cropping pattern means erosion control.

tionally-tilled terrace systems.

Silver Lining

They say every dark cloud has a silver lining, though, and June was no exception. No-tilled cropland came through the heaviest rains with far less damage than tilled fields. Terraces with no-till gave much better protection than terraces without residue protection.

Admittedly, the number of Iowa farmers practicing no-till isn't large, but they doubled in just the past year and I have every reason to believe that trend will continue. No-till farmers in all parts of Iowa are reporting equal or better yields with less cost and far less erosion.

While most Iowa farmers aren't yet using no-till, they're

moving in that direction. About two-thirds are using equipment that leaves some residue protection as compared to only 14 percent of Iowa farmers 10 years ago.

Quickest Way

I believe no-till is the quickest and least expensive way Iowa farmers can control erosion without adversely affecting crop production.

There are several meetings scheduled across Iowa this year to acquaint farmers with no-till and other reduced tillage methods. Of course, no-till is just one of several ways farmers can control erosion.

Everyone has a stake in clean water and productive soil, and that's why recent legislation — the Federal Resources Conservation Act and the state's Iowa Soil 2000 program — have called for active public participation.

In 1980, the federal and state governments, along with many local soil conservation districts, asked for comments on their respective five-year resource plans for getting more conservation on the land. Past public input has been invaluable and more will be needed to determine the best direction for future conservation programs.

Anita Farmer Cites Value Of Watershed Structures

By The Cass County
Soil Conservation Service
Dallas Davis doesn't worry about floods like he did 20 years ago.

"Years ago, before any Turkey Creek Watershed structures were built, I've seen floodwaters on three sides of my house several times. Before any of the dams were built, a 4 or 5-inch rain would have floodwaters out on both sides of Turkey Creek," Davis reported.

Davis has a watershed structure on his farm and is very proud of it. The intense storms June 6 and June 14 proved that watershed structures can control flooding.

"My land didn't get flooded like some others did this spring. The watershed structures and Lake Anita held back the rain and Turkey Creek could handle the water. A few of us along this stretch of Turkey Creek didn't lose a crop because we had the protection," Dallas commented.

Flooded Land

A lot of bottomland along Turkey Creek was flooded this spring, especially in the area east of Anita and the Wiota area. Crop damage from these storms was heavy and costly. Nearly all of the watershed structures were filled to capacity, but none of the emergency spillways were used. Consequently, flooding was reduced, and on the Davis farm flooding was eliminated.

Davis points out yet another feature of watershed structures.

"Before the structure was built, I was watering cattle out of a well, and I had trouble getting enough water. The old well would pump about 400 gallons and then it would be dry. I would have to make two or three trips a day to pump water to keep going. With the watershed structure, I don't have to

bother with a well. Part of the pond backs up on a neighbor with 160 acres of pasture, and the pond takes care of his cattle, too!"

Maintenance

Watershed structures are like many other things — they require some repair, attention, and maintenance.

"I have always tried to take care of the structure by hauling a little dirt, fertilizing, or seeding when it was needed," says Davis.

The Anita farmer believes that watershed structures should be attractive to other landowners also.

"I would recommend a watershed structure to anyone because it usually doesn't take up that much good land. I would also recommend putting in a drawdown pipe, also, as mine is equipped. It takes about 6-7 days for the water to drop down to this extra pipe. This spring, with two big storms only eight days apart, I had enough extra storage to hold all the runoff," Davis reports.

Davis remembers what floods on Turkey Creek did to his farm in the past. He also knows that flood damage can be reduced, and almost eliminated, using conservation practices and watershed structures. A lot of runoff has passed through his structure since 1968, and his experience in the last 12 years means a lot.

TRAVELER

TOLEDO, Ohio (AP) — When Fern Wigfield retired as a teacher and principal, she vowed that there would be no rocking chair for her.

In 1974, she went to Turkey, Greece, Lebanon, Syria, Israel and Egypt. In 1978, she went to Moscow, Siberia, and outer Mongolia. In 1979, she made a tour of China, visiting schools

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28 Miles Of Terraces Built In County Last Year

Cass County farmers installed 148,410 feet of terraces (about 28 miles) in the fiscal year on cropland that formerly was not protected from erosion. This accomplishment represents nearly \$260,000 invested in this one practice alone.

Forty-six landowners were involved in the construction of terraces in nearly every township in Cass County last year. State and federal cost-share funds were used to pay for part of the construction cost of the terraces. The farmers themselves paid for 50 percent of the cost, and will assume all upkeep and maintenance of the terraces.

Keith Smith, who farms near Griswold, has some interesting observations about his terraces.

"I stated building terraces in 1960 to stop the erosion on my fields. At the present time, I have over 29,000 feet of graded or level terraces, and almost 53,000 feet of tile outlet terraces," Keith commented.

Easier Farming

"Terracing has made it easier to farm and has improved yields. When you terrace a field and save the topsoil, you eliminate the thin spots.

"The field I terraced in the summer of 1979 yielded 140 bushels of corn in 1980. In addition, terracing eliminates the rills and gullies and I can take my combine anywhere," Keith adds.

"I don't feel that terraces have cost me anything. An appraisal of the land was made recently that indicated an increase in land value because of the terraces. A comment was made by the appraiser that he thought the land was too flat to need terraces, but he was looking at it after the terraces were built," Keith observed.

"I plan to keep on building terraces until the farm is completely terraced, or I am through farming. It gets in your blood after you get started on it," Keith concluded.

Massena Farmer

Larry Follmann, who farms near Massena, also believes that terraces are worth the investment.

"I started building terraces because I was seeing too much erosion," Larry states. "Even with a crop rotation, I was getting too much soil loss."

"There weren't any rills in the field when I combined this year. I also didn't have as many point rows with the terraces, as I did when I just contoured," Larry said.

"I think terraces will sell themselves for erosion control and water control. I also think that soil conservation work will become mandatory instead of voluntary if we're not careful," Larry concluded.

The widespread use of the corn-soybean rotation has pushed soil losses up to an average of 25 tons per acre per year.

"This loss converts into two bushels of soil lost for every bushel of grain produced," states Bill Willis of the Soil Conservation Service.

"If this land is valued at \$1,500-\$2,000 per acre, we're making a mighty big sacrifice in topsoil for the corn and beans we produce every year. It makes a lot more sense to control soil loss with terraces than to let the soil disappear from erosion," Willis concluded.

No. 1 Priority

G. M. Baier, chairman of the Cass District adds, "As Commissioners, we're giving No. 1

are available at the request of the landowner by contacting the office at 1207 Sunnyside Lane or by calling 243-3180.

Farm Monthly Book News

By Grace Rasmussen
Of Manilla

Harcourt Brace Jovanovich has offered some beautiful and interesting books for all ages this year. The "Walking Talking Word," written and illustrated by Ivan Sherman, presents a totally new way of teaching words with their meanings to youngsters. The words "bang," "squeeze," "talk" and "walk," plus having accompanying limericks, which makes for an informative challenging book of fun. It is \$7.95.

Lee Bennett Hopkins has collected the poetry of established and contemporary writers and they guide us through autumn shadows, win-

ter darkness, into the renewal of spring and the warmth of summer. Poetry and the changing of seasons is always appealing and this collection is fresh and diversified for \$7.95.

Another ABC

I found "Ape in the Cape" an alphabet of odd animals refreshing too; containing action and humor with an original rhyme for each letter. You can buy this Caldecott Honor Book by Fritz Eichenberg for \$6.95 or in paperback for \$1.35 from Home Book Journal.

Anything Sidney Harris likes the Farm Monthly book writer likes. His recommendation is for an ABC book. It is the New Oxford Dictionary published by the Oxford University Press for \$14.95. It possesses up-to-date American language and advises us not to feel "bad" if we say "bad" and not "badly."

Young Adults

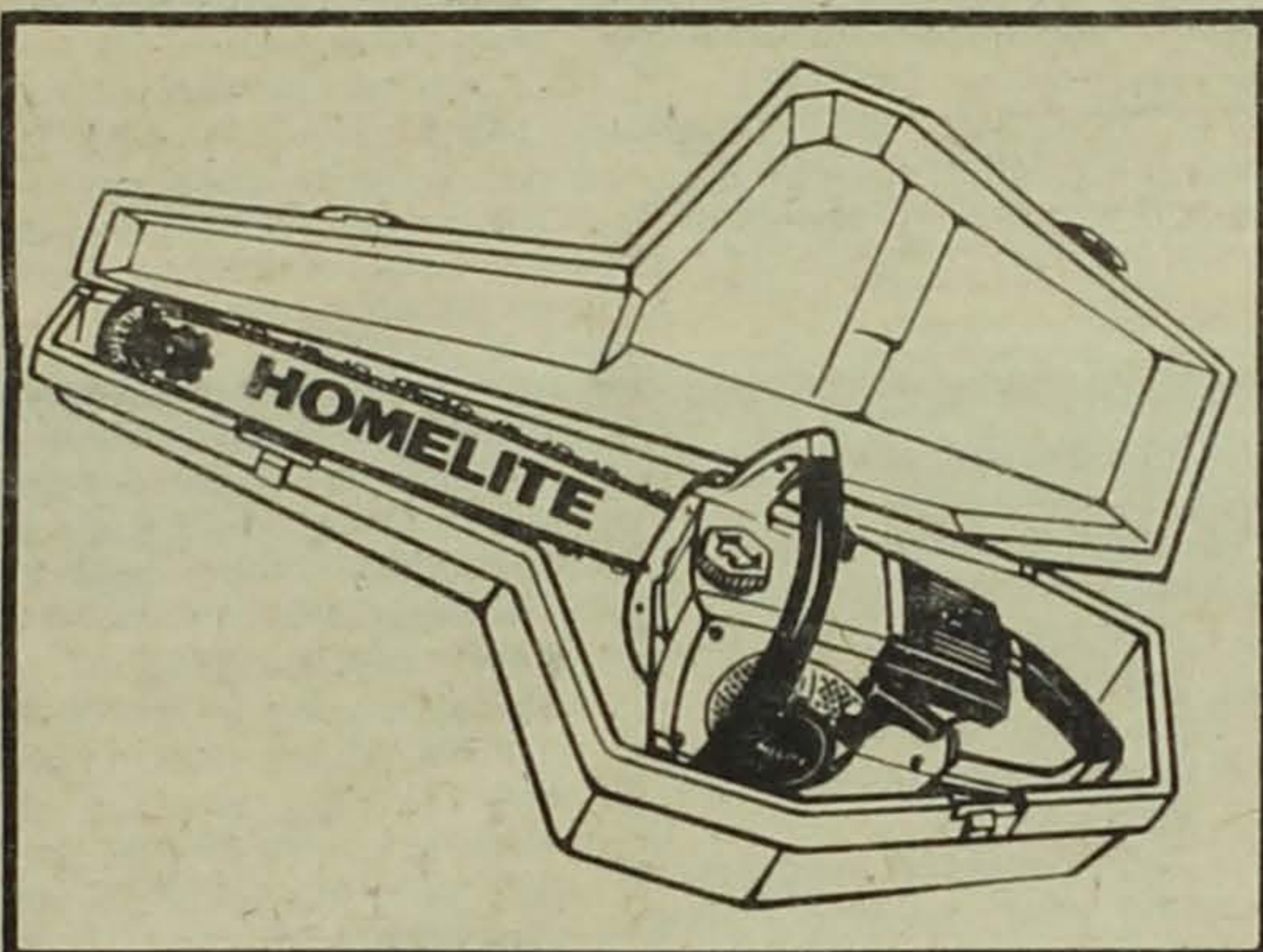
The American Library Association's Best Book Award went to "Arriving at a Place You've Never Left." It has several stories about young persons

dealing with stressful situations such as stealing and going into the military. Adult discretion is advised by author Lois Ruby. It is \$1.50 in paperback.

Our libraries and schools are brimming with a wealth of wisdom for the young. Our authors are aware of the choices being presented to the youth of today and they apply their talents in books that are intriguing. Dial Press has in its fall catalog titles that convey such awareness such as "The Twins Talk Back."

Performing artists talk about their lives in "Staying Power," "Someone Slightly Different" and "Tough Choices," another is one that I mean to delve into. It is written by a former Newsweek bureau chief in Vienna and Moscow; a kaleidoscope of five Soviet bloc countries that contains geographic, cultural, economical and political information. It is \$10.95, but is complete with photographs, maps, bibliography and index.

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Great Cold Weather Meal-Making Recipes

What To Serve The Coffee Crowd

By CECILY BROWNSTONE
Associated Press Food Editor

Having a morning coffee or guests coming for coffee in the evening? Then you may be interested to serve Prune Apple Bars as the accompaniment. They're appealing these days because they are made with little sugar. As the cook who dreamed up the original recipe said, "They're a cross between a cookie and a pie."

PRUNE APPLE BARS

1 package dry yeast
1/4 cup warm water (about 115 degrees)
2 1/4 cups all-purpose flour
1/4 cup sugar
1/2 teaspoon salt
3/4 cup butter
1 large egg, slightly beaten
Prune Apple Filling, recipe follows
Confectioner's sugar, if desired

In a liquid measuring cup, dissolve the yeast in the water. In a large bowl, stir together the flour, sugar and salt; add butter and with a pastry blender cut in until particles are the size of small peas. Add yeast mixture and the egg; with a fork, stir until dough forms a ball. Cover tightly and chill from 2 to 4 hours.

Prepare Filling and reserve.

Divide the dough in half. On a prepared pastry cloth, with a prepared stockinet-covered rolling pin, roll out one half to a (12 1/2 by 8 1/2-inch) rectangle; fold in half crosswise and transfer to a buttered (13x9x2-inch) baking pan; unfold to cover other half of pan. Spread and reserved Filling over the dough.

Roll out the remaining half of the dough to about the same size as before; transfer as before, gently placing it to cover Filling. With fork tines lightly mark top into 24 bars or squares.

Bake in a preheated 375-degree oven until golden brown — 25 to 30 minutes. Cool on a wire rack. Cut, following fork marks. Before serving, sprinkle with confectioners' sugar, or pass a shaker of the sugar.

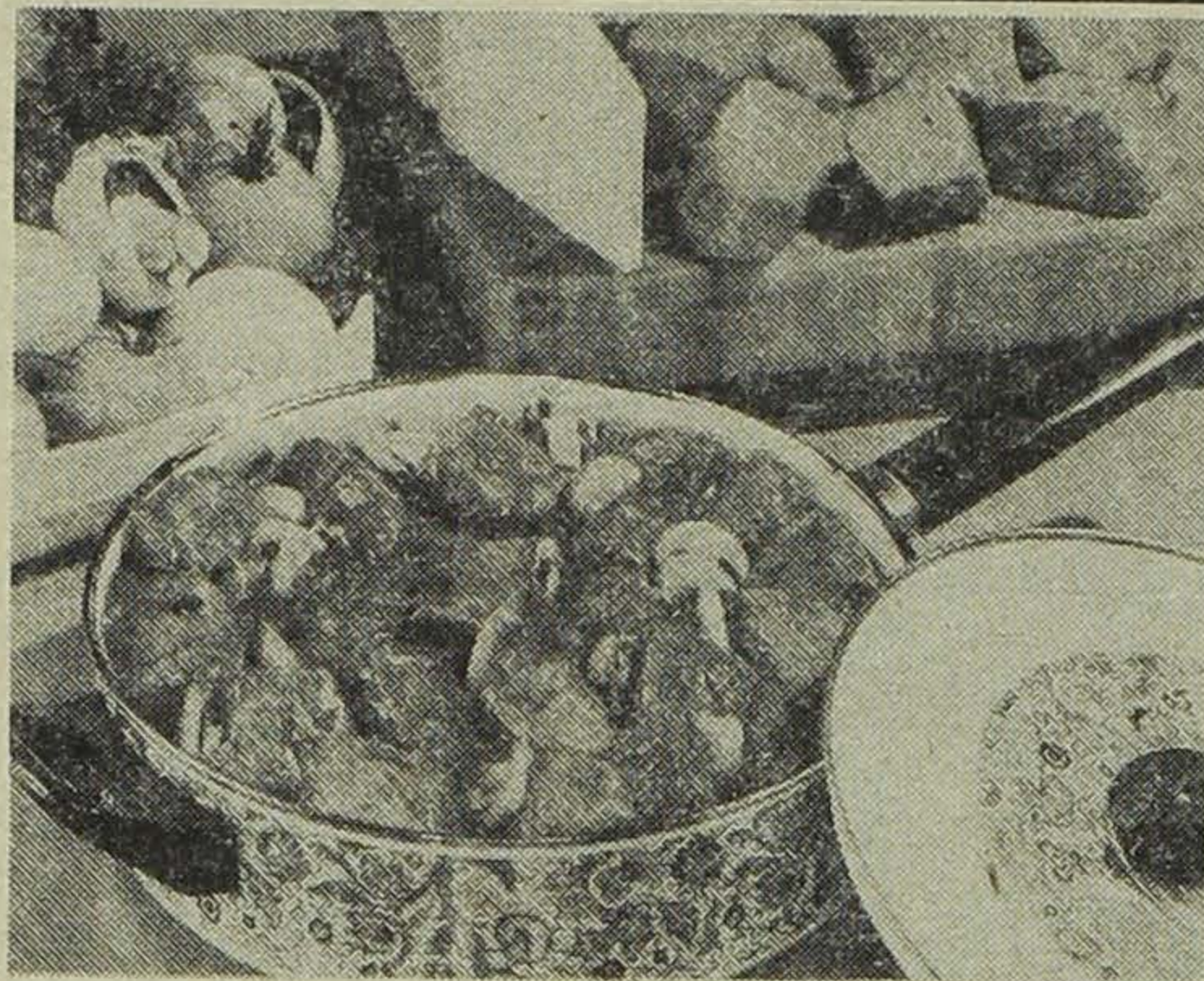
Makes 24.

Prune Apple Filling: Mix together well one 12-ounce package pitted prunes (finely chopped), one 15-ounce jar sweetened applesauce and 3/4 cup chopped (medium-fine) walnuts.

CHEDDAR POTATOES

6 medium baking potatoes (1 1/4 to 2 pounds), pared and thinly sliced
1/4 cup butter, melted
1/2 teaspoon salt
1/8 teaspoon white pepper
4 ounces Cheddar cheese, medium-fine

In a generously buttered (8x8x2-inch) baking dish (we used one of clear glass) arrange potatoes, overlapping, in rows; make sure top is flat. Pour butter over potatoes and sprinkle with salt and pepper. Bake uncovered in a preheated 500-degree oven until golden brown on bottom and sides of dish and potatoes are tender — 20 to 30 minutes. Sprinkle with cheese; bake just until cheese melts — a matter of minutes. Serve at once. Makes 6 servings. (You may want to pass a bowl of sour cream with this dish.)



The blending of natural food flavors produces, upon occasion, an entree so good that it's unforgettable according to Nancy Degner, Iowa Beef Industry Council Home Economist. Using economical beef for stew, the recipe for Braised Cheddar Beef Cubes provides one of these outstanding flavor experiences to be remembered with pleasure. The human sense of taste is a hi-fi instrument and this flavor composition comes in high-quality stereo.

BRAISED CHEDDAR BEEF CUBES

2 1/2 pounds beef for stew, cut in 1 1/2-inch pieces
1/4 cup flour
1 teaspoon salt
1/4 teaspoon pepper
3 tablespoons cooking fat
2 beef bouillon cubes
8 ounces mushrooms, halved
3/4 cup boiling water
1 large onion, chopped
1/2 teaspoon celery seed
1 can (15 ounces) tomato sauce
2 tablespoons brown sugar
4 ounces sharp Cheddar cheese, grated

Combine flour, salt and pepper; dredge meat and brown in cooking fat. Pour off drippings. Crush bouillon cubes; dissolve in boiling water. Add bouillon, onion and celery seed to the meat. Cover tightly and cook slowly 1 hour. Add tomato sauce and brown sugar and continue cooking, covered, 20 minutes or until meat is tender. Add cheese and mushrooms and continue cooking 10 minutes. 6 to 8 servings.

TOAD IN A HOLE

One-third cup salad oil
2 tablespoons butter or margarine
1 (20 ounce) bag frozen hash brown potatoes
1 teaspoon paprika
3/4 teaspoon garlic salt
1/2 teaspoon lemon pepper
6 eggs
Salt
Pepper

Heat oil and butter in large skillet. Add potatoes, paprika, garlic salt and lemon pepper. Stir fry over medium heat for about 20 minutes, until potatoes are golden. Push potatoes to sides of skillet. Break eggs into center of skillet. Cover. Cook over medium heat for about 7 minutes or until eggs are cooked as desired. Season to taste with salt and pepper.

PEAR COBBLER

A hot snack for a cold day.
29-ounce can Bartlett pear halves in heavy syrup (9 halves in the can)
1 tablespoon cornstarch
1 tablespoon sugar
1/8 teaspoon cinnamon
1 tablespoon lemon juice

Topping, recipe follows
Drain pears (saving syrup) and arrange cavity-side up in a 2-quart oblong baking dish (11 3/4 x 7 1/2 x 1 3/4-inches). In a medium saucepan stir together the cornstarch, sugar and cinnamon; gradually stir in saved pear syrup, keeping smooth. Cook over moderate heat, stirring constantly, just until clear and thickened; stir in lemon juice; pour over pears. Bake in a preheated 425-degree oven until bubbling hot — about 15 minutes. At once drop spoonfuls of the Topping over the pears — don't worry if it runs onto the syrup. Continue baking until golden brown — 18 minutes. Serve warm.

Topping: Stir together 1 cup all-purpose flour, 1 1/2 teaspoons baking powder, 1/4 teaspoon salt; cut in 1/4 cup butter until particles are fine; stir in enough milk (one-third to 1/2 cup) to make drop-dough consistency.

CALORIE COUNTERS' BEEF AND VEGETABLES

2 pounds beef round steak, cut 3/4 to 1 inch thick
1 1/2 teaspoons salt
1 teaspoon dry mustard
1/8 teaspoon pepper
1 beef bouillon cube
1/2 cup hot water
3/4 cup buttermilk
2 teaspoons cornstarch
1 package (10 ounces) Italian green beans, defrosted
8 ounces mushrooms, sliced
1 jar (2 ounces) pimiento, cut in strips

Trim excess fat from edge of round steak and heat in large frying-pan to obtain 1 tablespoon drippings. Remove remaining fat. Slice steak into very thin strips and cut into pieces 3 to 4 inches long; lightly brown, one-third at a time, in drippings. Pour off drippings. Combine salt, mustard and pepper and sprinkle over meat. Crush bouillon cube and dissolve in hot water; add to meat, cover tightly and cook slowly 45 minutes. Add buttermilk to cornstarch, stirring to blend; gradually add to meat mixture and cook slowly 20 minutes, stirring occasionally. Stir in green beans, mushrooms and pimiento strips; continue cooking, covered, 10 minutes. 6 servings.

Note: When round steak is partially frozen, thin strips can be cut more easily.

FILLETS DEL MAR

1 pound Fish Fillets
1/2 cup melted butter
2 tablespoons lemon juice
1/4 cup diced onions
1 1/2 teaspoons Worcestershire sauce
1/4 teaspoon salt
1/4 teaspoon parsley flakes
Thaw Fillets and place in a single layer in a buttered baking dish. Combine rest of ingredients and pour over fish. Bake in a pre-heated 350 degree oven for 20-25 minutes until fish flakes easily with a fork.

SURPRISE MEATLOAF

Meat Mixture:

1 pound ground pork
1 pound ground beef
1/4 cup fine dry bread crumbs
1/4 cup finely chopped onion
1/8 teaspoon Tabasco pepper sauce

1 teaspoon salt
1/2 teaspoon dried leaf thyme
1/2 teaspoon dried leaf oregano

Filling Mixture:

1 cup cooked rice
2 cups shredded upaired zucchini (2 medium zucchini)
1 large tomato, peeled and diced
2 tablespoons finely chopped onion
1/2 cup grated Parmesan cheese
1/2 cup grated Swiss cheese
1 egg, slightly beaten
1/8 teaspoon Tabasco pepper sauce

In large bowl, combine all ingredients for meat mixture; mix well. Press over bottom and sides of a (9x5x3-inch) loaf pan, reserving enough mixture to cover top after adding filling; meat shell should be at least 1-inch thick.

In bowl, mix all ingredients for filling, and firmly press into cavity of meatloaf. Press reserved meat mixture over top and bake in 375-degree over 1 hour and 20 minutes. (After 1 hour of cooking time pour off excess liquid from loaf.) Yield: 6 servings.

3-GRAIN PANCAKES

They're easy to flip over and they brown well.

1 cup fork-stirred all-purpose flour
1/4 cup buckwheat flour
2 tablespoons yellow cornmeal
1 1/2 teaspoons baking powder
1/4 teaspoon salt
1 large egg
1 1/4 cups milk
3 Tablespoons butter, melted

Stir together the dry ingredients. Beat the egg and milk to blend; add the dry ingredients and the butter; beat gently until barely blended. Drop by scant 1/4 cupfuls onto a hot greased griddle; bake until bubbles appear on top; turn and brown other sides. Serve with pats of soft butter and hot maple syrup. Makes 12 to 14.

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

Butterfly Pork Chops Ideal Menu Choice For Valentine's Day

A heart-warming dinner is a delightful way to captivate your certain someone on Valentine's Day. For a meal sure to catch his fancy, feature butterfly pork chops — plump, tender and delicious.

Since these boneless double chops from the pork loin are almost heart shaped, they are particularly appropriate on this red letter day, points out Reba Staggs, National Live Stock and Meat Board home economist.

STUFFED BUTTERFLY PORK CHOPS

6 butterfly pork chops, cut 1 1/4 inches thick
1/4 pound pork sausage
1/4 cup chopped celery
1/4 cup chopped onion
2 cups semi-soft bread cubes
1/4 teaspoon salt
1/4 teaspoon sage
3 tablespoons water
2 tablespoons lard or drippings

Make pockets in each side of each chop by cutting into chop (parallel to surface of chop), beginning at center and cutting toward fat edge, but not to or through edge. Lightly brown sausage; add celery and onion and cook 5 to 10 minutes. Stir in bread cubes, sprinkle with salt and sage and stir in water. Stuff the pockets of each chop. Lightly brown chops in lard or drippings, browning unstuffed side first. Place, stuffing side up, in (13x9-inch) roasting pan; cover with foil, securing edges around rim of pan. Bake in moderate 350-degree oven 45 minutes. Uncover and continue baking 15 minutes or until done. Season with salt and pepper. 6 servings.

For broiled potato chips, scrub potatoes thoroughly and slice into thin chips. Lay slices overlapping in a greased, shallow baking dish. Mix together one-fourth cup salad oil, half a teaspoon of Worcestershire sauce and half a teaspoon of salt. Pour mixture over potatoes. Sprinkle with paprika. Place under preheated broiler for 15 to 20 minutes, until potatoes are brown and crisp.

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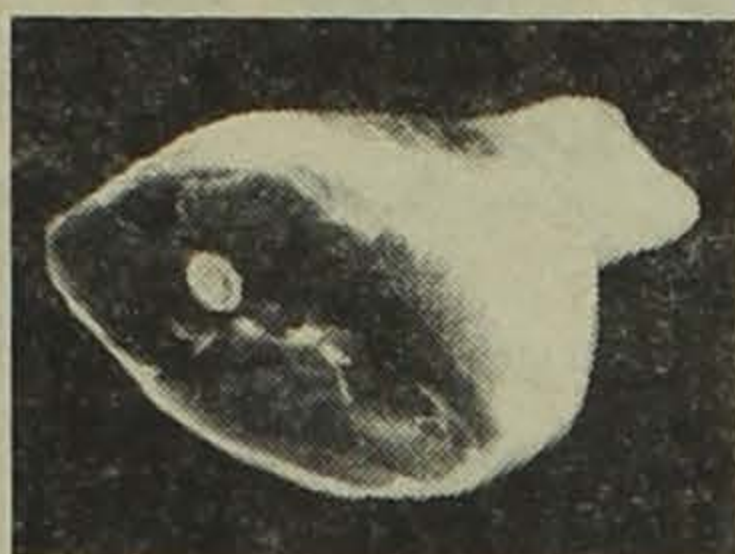
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Meat Cut Quiz



Q. What is the name of this cut of meat?

A. Pork Leg (Fresh Ham) Shank Portion.

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

A. It is the lower portion of the fresh pork leg, containing the round leg bone. It is skinless, but has some fat cover. The muscle structure is the same as the more familiar shank portion of a smoked ham.

Q. How is it prepared?

A. It is usually roasted. Place on a rack in an open roasting pan. Do not add water. Do not cover. Insert meat thermometer so bulb is centered in thickest part. Roast in a slow oven (325°F.) until thermometer registers 165°F. Allow roast to "set" in a warm place 20 minutes after removal from oven. Roasts continue to cook during this time, usually rising approximately 5°F. to reach the recommended temperature of 170°F.

PORK'S QUALITY UNIFORM

Quality grades for pork are not as widely used as they are for other meats such as beef and lamb. Most hogs are marketed at approximately six months of age and therefore tend to yield uniformly tender products, explains the National Live Stock and Meat Board.

Most pork is, however, federally inspected. This inspection assures you of wholesomeness and guarantees that the animal was healthy prior to slaughter and that all processing was conducted under sanitary conditions.



Massena Band In 1910

The Massena band posed for this picture about 1910. It was made up of high school boys and young men of the vicinity and was instructed by a high school teacher. He made no charge for his work, but if a member failed to show up on time for practice without a valid excuse, the member was fined 25 cents. Members furnished their own instruments and paid for the uniforms with their earnings. The band played at picnics, celebrations and fairs

and also gave concerts. Members earned \$3 a day and \$1.50 for an evening concert. The picture is from the collection of Edith Ownes of Cumberland. She could identify only one member. He is Carl Arnold, fourth from left in front row with the trumpet. Arnold was about 18 at the time the picture was taken. He was a well-known Cumberland businessman from 1916 until his death in 1974.

TURNIP PUFF

Really delicious way to serve the rutabaga.

2 yellow turnips (each about 1 pound), pared and cut in 1-inch cubes (about 3 cups)

1 teaspoon salt

2 tablespoons butter or margarine

1 egg, slightly beaten

2 tablespoons light brown sugar

One-eighth teaspoon pepper

Cover the rutabaga with about 1 inch of boiling water and add the salt; boil, covered, until tender — about 20 minutes. Drain well and mash. With a spoon beat in the butter, then the egg, sugar, and pepper. Turn into a buttered 1-quart round casserole (about 6½x2½-inches). Bake in a preheated 350-degree oven for 30 minutes. Makes 6 servings.

FRESH COCONUT PUDDING

1 fresh coconut

3 tablespoons butter or margarine, melted

4 eggs

One-third cup sugar

½ teaspoon salt

1½ cups milk

1 teaspoon vanilla

Pierce eyes of coconut; drain ½ cup coconut milk into

measuring cup; reserve. Bake coconut in a 350-degree oven 15 minutes. Crack shell with hammer and remove meat. Pare off brown outer rind; grate coconut meat in food processor (you should have about 2 cups). Measure 1½ cups grated coconut and combine with butter; press onto bottom and sides of 1½-quart baking dish, to within 1-inch of top of dish. Bake in 400-degree oven 15 minutes, until coconut is lightly browned. Cool.

In large bowl, beat eggs until light and lemon colored. Add sugar and salt and beat until thick. Gradually add milk, reserved coconut milk and vanilla. Pour into prepared dish; sprinkle ½ cup coconut over top. Place in pan of water and bake in a 325-degree oven 1¼ to 1½ hours, until knife inserted in center comes out clean. Serve warm or chilled. Makes: 6 to 8 servings.

PARTY-TIME GLAZED PORK ROAST

4-5 pound bonless pork loin roast (double loin, rolled, tied)

1 jar (12 ounces) apricot preserves

¼ cup light corn syrup

3 tablespoons cider vinegar

½ teaspoon dry mustard

Place roast on rack in shallow roasting pan. Insert meat thermometer so bulb is in center of thickest part of roast. Roast, uncovered, in a 325-degree Fahrenheit oven about 2½-3 hours or until meat thermometer registers 170 degrees Fahrenheit. While roast is cooking, prepare glaze. Combine apricot preserves, syrup, vinegar and mustard in saucepan. Bring to simmering stage; simmer two or three minutes to thicken slightly. Brush glaze over roast two or three times during last 30 minutes of cooking time. Makes 8-10 servings.

GOLDEN PORK NUGGETS

2 pounds ground pork

1½ teaspoons salt

½ teaspoon pepper

6 medium-sized hard-cooked eggs

2 tablespoons butter or margarine

2 tablespoons flour

¾ teaspoon salt

¼ teaspoon mace

2 cups milk

2 tablespoons chopped parsley

Sprinkle 1½ teaspoons salt

and the pepper over ground pork. Lightly combine and divide into 6 equal portions. Remove shells from eggs and pat with paper towel to dry completely. Form a nest the size of an egg with each portion of ground pork. Place egg in each nest and press the meat around each egg to close nest and evenly cover egg. Place on rack in roasting pan and bake in moderate oven 375 degrees for 35 to 40 minutes. For sauce, melt butter or margarine; stir in flour, ¼ teaspoon salt and mace. Gradually add milk and cook, stirring constantly until thickened. Cook 5 minutes, stir in parsley and serve with pork nuggets. 6 servings.

APPLE CHUTNEY

Because Worcestershire sauce contains tamarind, used in the best India chutneys, it's worth adding to this relish.

2 pounds tart apples

2 cups chopped onion

15-ounce package seedless raisins

1½ cups firmly packed dark brown sugar

3 cups cider vinegar

3 tablespoons Worcestershire sauce

2 tablespoons lemon juice

2 teaspoons salt

2 teaspoons ground ginger

Pare, quarter, core and dice apples — there should be about 2 quarts. Turn into a large saucepot with remaining ingredients and mix well. Bring to boiling point; simmer, uncovered, stirring often until thick — about 45 minutes. Ladle into hot sterilized canning jars, leaving one-eighth-inch head space; add caps and screwbands according to jar manufacturer's directions. Process in boiling water bath for 10 minutes. Make three pint jars.

PEAR CABBAGE

It has tangy sweet-sour flavor.

4 slices bacon

1 small onion, finely chopped (¼ cup)

¼ cup firmly packed light brown sugar

2 tablespoons flour

1 teaspoon salt

½ teaspoon pepper

½ cup water

¼ cup cider vinegar

6 cups loosely packed,

coarsely shredded white cabbage (1½ pounds)

2 Bartlett pears, pared and sliced

In a large skillet cook bacon until crisp; drain bacon and crumble. Drain fat from skillet, leaving 1 tablespoon. Add onion to skillet and cook gently until wilted; stir in sugar, flour, salt and pepper, then water, vinegar and cabbage. Cover and simmer, stirring several times, until cabbage is tender-crisp — about 10 minutes. Add a top layer of pears; cover and simmer just until pears are hot — about 5 minutes. Sprinkle with bacon and serve at once. Makes 6 servings.

SMOKED PORK WITH POTATO-KRAUT

1 smoked pork shoulder roll (approximately 2 pounds)

2 cups water

4 large red potatoes, pared and halved

3 small onions, quartered

1 can (27 ounces) sauerkraut, drained

¼ teaspoon pepper, if desired

Place smoked pork shoulder roll (or neck or back bones) in Dutch oven, add water, cover tightly and cook slowly 1 hour 30 minutes. Add potatoes and onions and continue cooking, covered, 30 minutes or until meat and vegetables are tender. Add sauerkraut and pepper and heat through. Carve meat and serve with the vegetables. 8 servings.

Note: 3 pounds smoked pork neck or back bones (cracked) may be substituted. Cover with water, bring to a boil and drain before cooking as directed.

SESAME EGGS

Scrambled eggs are varied in a delicious way.

5 large eggs

½ cup commercial sour cream

½ teaspoon salt

½ teaspoon pepper

2 tablespoons butter

2 tablespoons sesame seed, toasted

Beat together the eggs, sour cream, salt and pepper just until blended. In a 10-inch skillet heat the butter; add the egg mixture and cook over low heat, stirring as the egg mixture sets; while still creamy, stir in the sesame seed and cook until as set as you like. Makes 3 or 4 servings.

The first concentration camp was set up in Germany in 1933.



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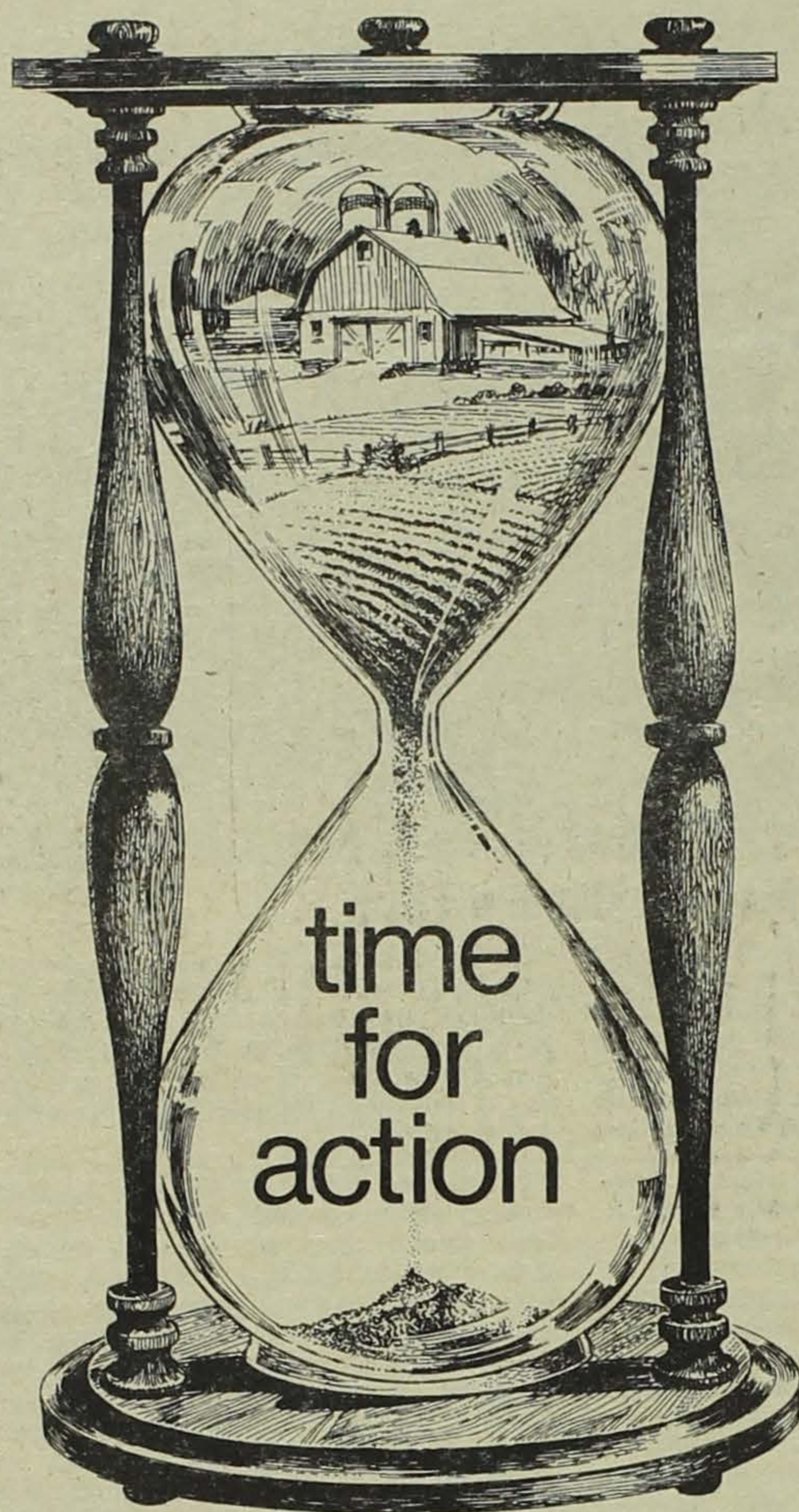
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SOIL CONSERVATION DISTRICT PERSONNEL

Carolyn Wilson District Clerk

USDA — SOIL CONSERVATION SERVICE (SCS)

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

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
 Shannon Messinger Office Assistant

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (ASCS)

Elaine Martens County Exec. Director
 Marilyn A. Smith Feed Grain, Compliance
 Sharon L. Boken ACP and Price Support
 Beverly Donels Administrative

ASCS COUNTY COMMITTEE

Folmer Nelson Emert Eukin Robert McLaren

FARMERS HOME ADMINISTRATION (FmHA)

John F. Hartford County Supervisor
 Eleanor Juelsgaard Asst. County Supervisor
 Madonna Nisson County Office Assistant
 Teresa Waters County Office Clerk
 Jamie Young Multi-occupation Clerk
 John Rohlf Em. Loan Supervisor
 Gary W. Lundington District Director
 Forrest D. Vermillion Asst. District Director
 Samuel L. Irvin Asst. Co. Supervisor at Large
 Shirley A. Winston District Loan Assistant
 Diane Larson District Office Clerk

FEDERAL CROP INSURANCE

Florence Campbell Representative in Charge of Office
 Gay Bannister Assistant Representative
 Irma Nelson Assistant Representative

'80 Annual



Wendell C. Pellett, Max H. Miller, George W. Hosfe, Lawrence
 Gilbert Wehrman, Tom Magill.

We, the Cass County Soil Conservation District Commissioners below, as well as many others in the area, for their fine cooperation in the cause of Soil and Water Conservation in Cass County. We feel that the valuable natural resources — the soil and water — for the future of our county can this goal be realized. We thank all those who have helped us.

COMMISSIONER ACT

JANUARY

Held election of officers. Tom Magill was named chairman; G. M. Baier, co-chairman.

Short course held at Ames and was attended by 1 Commissioner.

FEBRUARY

Held conservation tillage meeting for area farmers.

MARCH

Signed project agreement for part 7, Turkey Creek Watershed.

Held sausage and pancake dinner for contractors meeting at the 4-H building.

Gilbert Wehrman, watershed inspector, submitted and Operation and Maintenance report for structures in Turkey Creek Watershed.

APRIL

Sponsored 6th grade conservation workbook contest.

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

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

MAY

Bill Willis conducted field trips for 5th and 6th grade groups.

Held annual meeting of Crooked Creek Watershed at Allen Ticknor home.

Inspection report of structures in Crooked Creek Watershed was submitted.

JUNE

State ASCS Committee here to view 4 sites in Turkey Creek Watershed for possible federal funding as a special project.

Annual Report



Lawrence E. Blunk, William A. Fudge, G. M. Baier,

Commissioners, wish to express our thanks to all those named in this report for their cooperation over the years in helping to advance the conservation program. We feel a great responsibility in conserving our most valuable resource - the land - for future generations and only with the help of everyone can we hope to advance in this great enterprise.

ACTIVITIES 1980

JULY

Meeting for SCD Chairmen held at Walnut. Received allocation of state funds for conservation practices and approved cost-share applications.

AUGUST

R. Elmer Ouderkirk Jr., SCS soil conservationist began duties at the Atlantic Field Office.

Planned and attended minimum tillage tour to the Ernie Behn farm near Boone.

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

SEPTEMBER

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

OCTOBER

Prepared and had published a long-range plan for the Cass District.

NOVEMBER

5% spotcheck of conservation practices.

Calendars printed using the winning conservation posters submitted by 5th grade students in Cass County.

Commissioners toured the 7 concrete road risers and 4 detention structures that were built in the Turkey Creek Watershed during the past summer.

DECEMBER

Tentatively approved rules for review of soil erosion control plans and scheduled public hearing on Land Disturbing Activities.

Several commissioners attended the annual conference held in Cedar Rapids December 1-2.

ACCOMPLISHMENTS

CONSERVATION PRACTICES APPLIED IN 1980

New District Cooperators	No.	9
Landowners Requesting Assistance	No.	234
Technical Services Provided	No.	788
Landowners Applying a Practice	No.	86
New Conservation Plans	Ac.	2450
Conservation Plan Revisions	Ac.	459
Ponds	No.	4
Grade Stab. Structures	No.	3
Critical Area Treatment	Ac.	20
Terraces	Ft.	148,410
Grassed Waterways	Ac.	14
Contour Stripcropping	Ac.	51
Tile Drainage	Ft.	135,105
Wildlife Habitat Developed	Ac.	31
Cropland Adequately Protected	Ac.	40
Cropland Adequately Benefitted	Ac.	1,562
Farmstead and Feedlot Windbreaks	Ac.	5
Conservation Tillage	Ac.	1,452
Contouring	Ac.	305

EXPENDITURE OF FUNDS

Provided by the State for July 1979 - June 1980

1-M Budget

Allocation	\$1,900.00	
Commissioner mileage		\$1,525.38
Office supplies		146.88
Prizes for contests		148.50
Office expense		77.22
Released to Dept. of Soil Conservation		2.02
Total		\$1,900.00

2-M Budget

Allocation	\$10,905.00	
Salaries, FICA, IPERS		\$9,830.24
Life, health & disability ins.		632.43
Travel		5.31
Equipment repair		22.00
Released		415.02
Total		\$10,905.00

3-M Budget

77-78 Allocation	\$97,388.45	
Cost-share warrants paid		\$96,656.75
Amount unobligated		731.70
Total		\$97,388.45

78-79 Allocation	\$66,838.58	
Cost-share warrants paid		\$66,838.58

79-80 Allocation	\$69,223.05	
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Cost-share warrants paid	\$65,473.05	
Work started but not complete	3,750.00	
Total	\$69,223.05	

80-81 Allocation	\$81,773.00	
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Cost-share warrants paid	\$40,999.27	
Work started but not complete	35,705.50	
Unobligated balance	5,068.23	
Total	\$81,773.00	

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 Anita State Bank
 Farmers Savings Bank of Massena
 Union State Bank, Bridgewater and Greenfield

'80 Annual Report



Wendell C. Pellett, Max H. Miller, George W. Hosfelt, Lawrence E. Blunk, William A. Fudge, G. M. Baier, Gilbert Wehrman, Tom Magill.

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United Church Of Christ Serves Communion To Atlantic Shut-Ins

By Larry Peterson
N-T Writer

Shut-ins.

The world alone emits a feeling of loneliness and desperation, even helplessness.

But a group from the Atlantic United Church of Christ started a program in 1975 designed to bring a little joy and contentment to the lives of people who are unable to get about.

Shut-in Communion entails an average group of eight or 10 persons from the church once a month to provide communion service to local shut-ins at the Cass County Memorial Hospital, Atlantic Care Center, Heritage House and private homes.

Initiated on World-Wide Communion Sunday, the first Sunday in October 1975, the program was a result of the work of a lay person in the congregation, reports the Rev. Claude Wood.

First Sunday

On the first Sunday of each month, teams of two persons go out and make their calls, sometimes seeing as many as 10 persons each who would otherwise be unable to participate in communion services.

The communion servants are commissioned by the congregation to act on their part. The service of commissioning was prepared by Reid Wilson, who was worship elder at the time the program began.

After the commissioning, the emblems of communion are taken from the altar by the pastor, and given to the serving teams, who then make their calls.

Upon arriving in the home of the shut-in, one person reads the service while the other serves the bread and wine, followed by a prayer to end the service. Rain or shine, sleet or snow, the group makes it out every month, thanks to a number of four-wheel drive vehicles owned by members of the congregation.

Serve 25

Mrs. Lola Kluever, communion deacon, recruits the persons who will serve each month. Usually about 25 people are served, but one Sunday the tally reached 35.

If the family or guests of the shut-in are present, communion is provided for everyone. And frequently people in the hospital

or rest homes will notice what the group is doing and request a service for themselves, which the group gladly provides.

The theology and practice of communion of the congregation is carried out in this service in the same manner it is in the church. In recognition of the communion traditions of the denominations which make up the congregation, the pastor first takes the emblems from the altar, gives them to the lay servants, who then serve them to the people.

Wood says the response of the congregation to the program over the five years of its existence has been very good.

"It is a real contact with the church for many of the recipients, which would be denied otherwise," he said.

Visiting

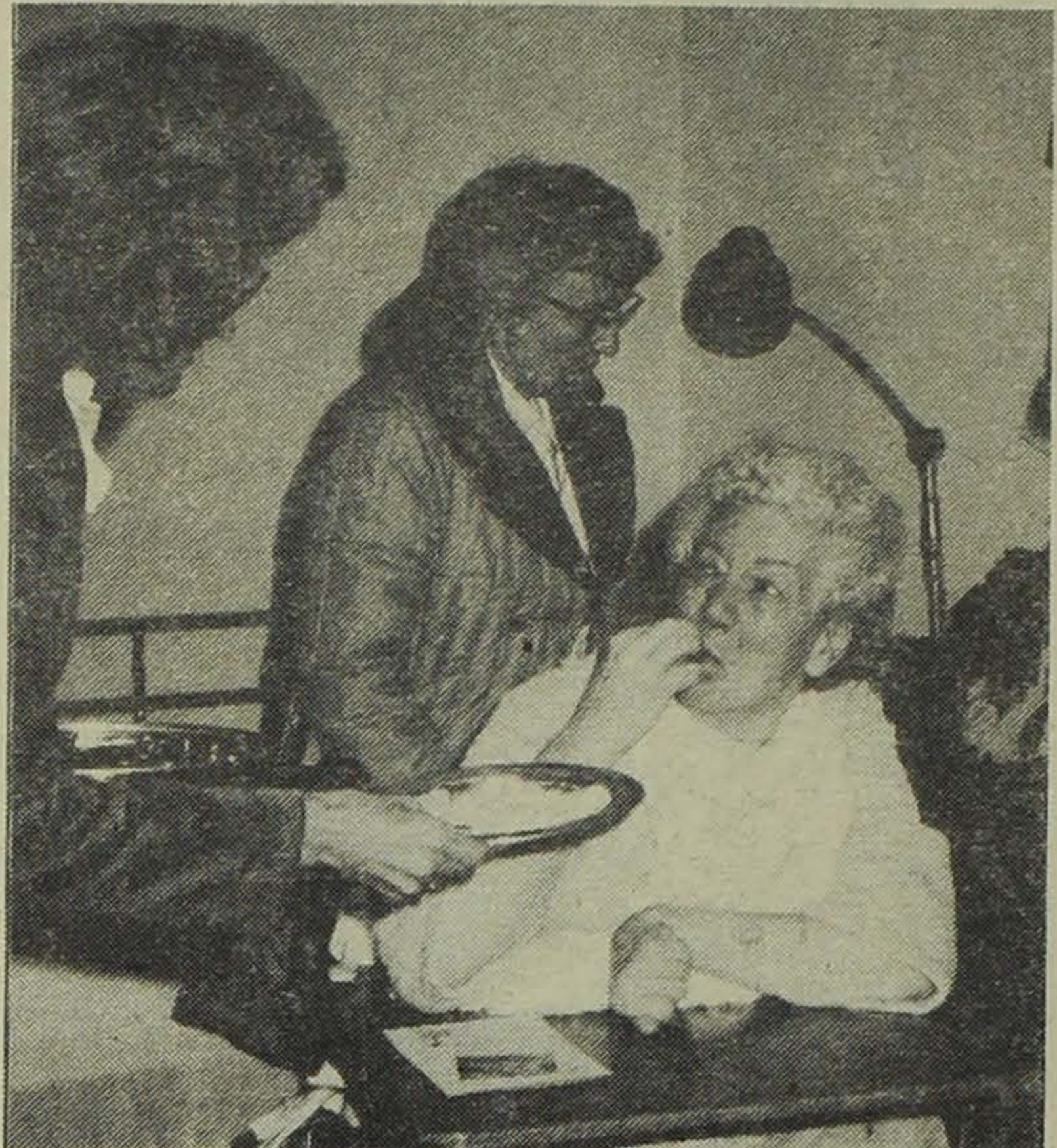
And for some of them, their communion time is the only chance they have to visit with outsiders.

"People really look forward to it, and enjoy the chance to visit with someone, we all need attention," says Jo Ellen Arn, a veteran of the communion group.

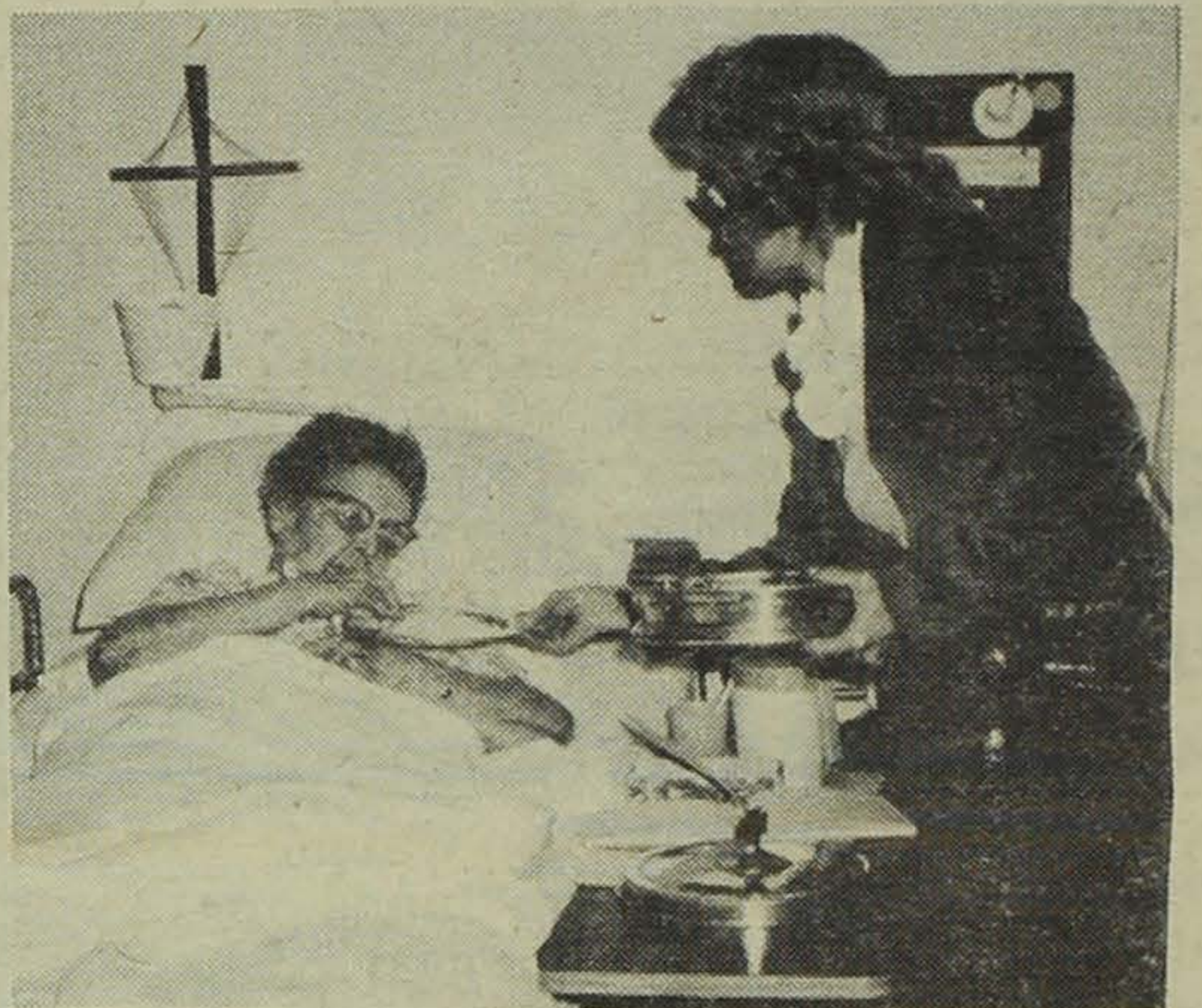
"There is a tremendous amount of satisfaction on both sides," Arn added.

Kluever, the recruiter, agrees.

"It is very rewarding to see the appreciation and happiness as they receive communion," she says.



Mrs. Don Brix serves communion to Ruby Warner at the Atlantic Care Center. Warner is unable to speak, but nods her appreciation for the communion service.



Clara Feldman receives communion from Mrs. Don Brix at the Atlantic Care Center. Feldman is crippled with arthritis, but receives monthly communion from commissioned members of the United Church of Christ.

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DOCTOR'S MONEY

ORADELL, N.J. (AP) — According to a survey conducted by Medical Economics, 1979 was a vintage year for physician investors. More than 70 percent cashed in some of their assets, with winners outnumbering losers by almost 4 to 1. Nearly a third of the sellers chalked up net capital gains of \$10,000 or more, while only 6 percent had net losses of that magnitude.

A pathologist in his 50s made the biggest score — \$250,000 — the magazine for doctors reported. Most came from the sale of 500 head of cattle.

According to the survey, 47 percent of the respondents invested in stocks, 35 percent in

real estate, 33 percent in bonds, 22 percent in collectibles and 12 percent in gold.

GUINEA PIGS

DUNDEE, Mich. (AP) — This small Monroe County village is one of the biggest datelines in the guinea pig world — thanks to the efforts of Jerry and Judy Missler and their family.

The Misslers do not know how many guinea pigs they have. They have about 400 adult animals. These produce about 275 to 300 babies monthly.

All this started less than six years ago when Missler brought home six guinea pigs for his children. Most are sold, and in fact, now that Missler is no longer employed elsewhere, the pigs (or cavy, as fanciers call them) provide the family's sole income, with enough left over for trips to guinea pig shows in Tucson and Denver.

Don't, however, quit your job and lay in a stock of cavy.

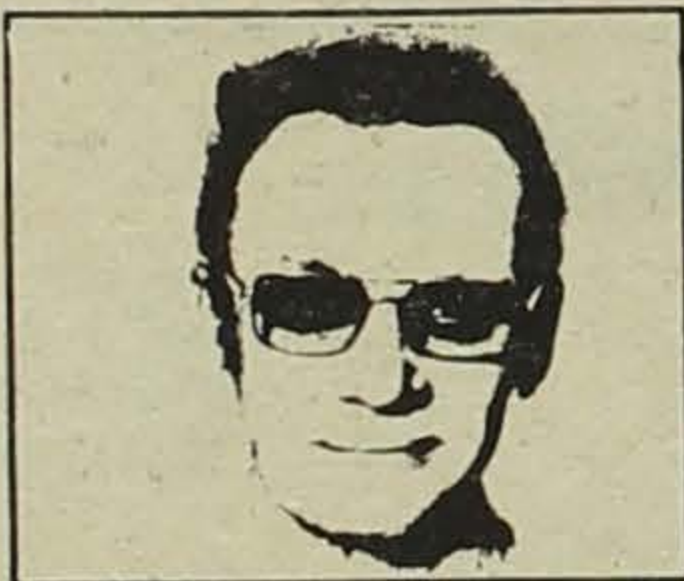
"I don't know anyone else besides the Misslers who can support themselves through cavy," one breeder said.

The American Cavy Breeders Association, the national guinea pig organization, plans to hold its 1981 convention in this county.

Puffins are returning to Egg Rock Island, Maine, as the result of an artificial propagation program. They were exterminated there by hunters more than a century ago. By next year, the returning birds may be old enough to breed.



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Kewanee 19' 2" disk with mow drag harrow.
IH 470 16' 3" disk with cyl. & hoses.
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ATLANTIC

Conservation Planning Important Tool For Saving Valuable Soil

**By The Cass County
Soil Conservation Service**
Interstate 80 was not built without a plan. Houses and public buildings are constructed according to a blueprint. There are all sorts of plans — retirement plans, family plans, estate plans, urban development plans, weekend plans, vacation plans, and crime control plans, to name a few. So it only makes sense that soil conservation practices be installed according to a plan.

A conservation plan for a farm identifies those practices that are needed to control erosion and protect the soil resources. The plan takes into account the soil types, soil capability, the long-term goals of the landowner, and the mix of conservation practices that will work the best.

Differences

No two farms are ever exactly the same. Soil types change along with livestock programs, the wishes of the landowner, slope lengths, farming methods, tillage systems, and crop rotations as different farms are considered. A conservation plan is adapted to each situation, and becomes a unique management tool tailor made for every farm.

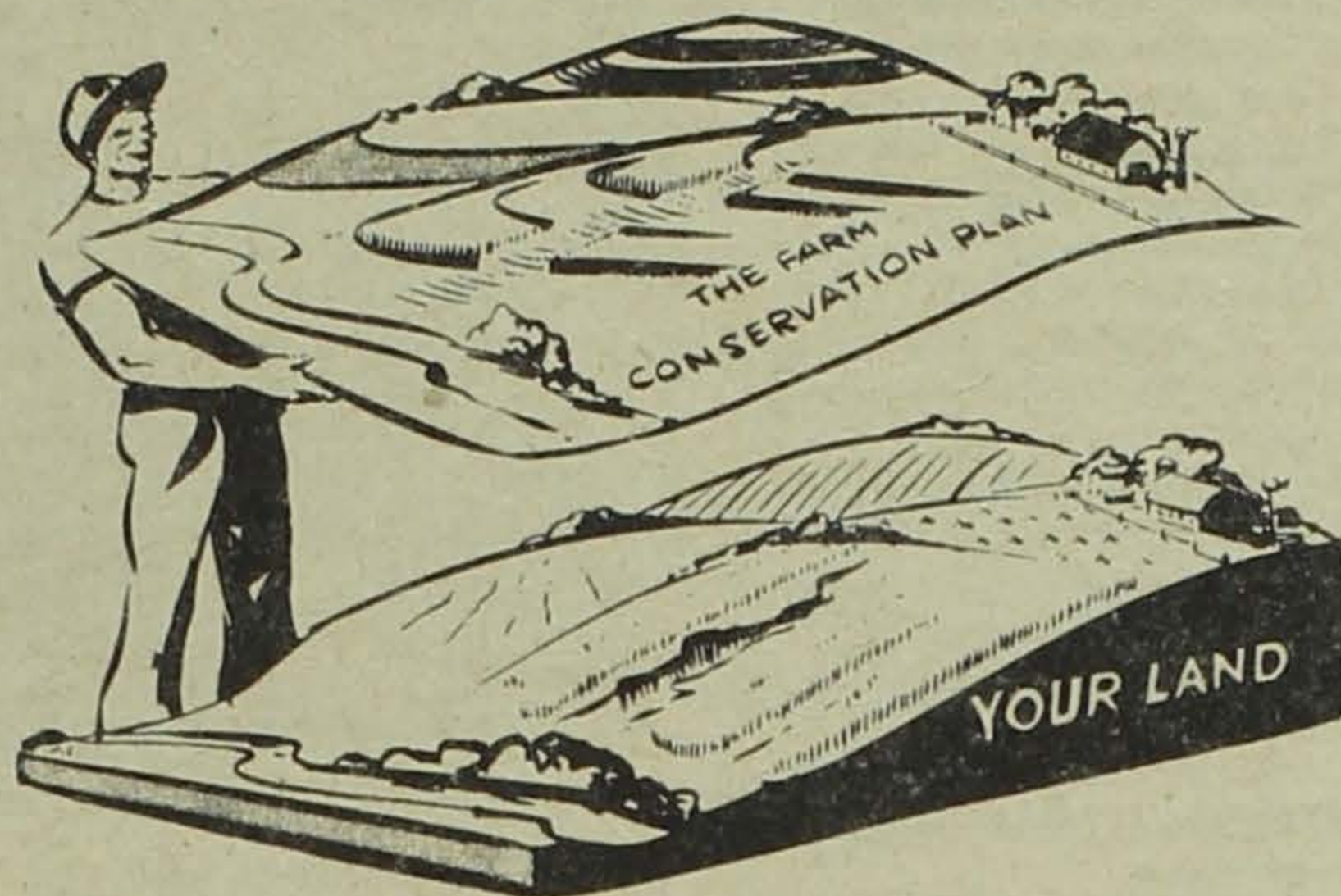
A conservation plan is developed by Soil Conservation Service personnel and the landowner working together. Decisions are made and recorded on the plan in an exchange of ideas and information. The process begins by identifying the land use by field: cropland, hayland, pasture, and woodland.

Decisions

The soil survey becomes a part of deciding what rotations and conservation practices will work the best to control erosion. Intensive rowcrop is possible on some soils and very dangerous on others, and recognizing this fact is very basic to the planning process.

There is more than one way to control erosion. The list of workable conservation practices includes terraces, contouring, crop rotations, minimum tillage, pasture seeding, tree planting, grassed waterways, stripcropping, and diversions as only a partial list. Discovering the combination that best solves the soil conservation situation is the backbone of a conservation plan.

A conservation plan provides a logical way to actually get the practices on the land. It helps to



decide where money can be spent to get the most erosion control. The plan identifies what is good cropland, and where to concentrate for pasture or hay production.

It identifies where the heaviest soil losses take place and where to start first to control erosion. Finally, a plan gives a general idea of how much time and expense will be required to get the job done.

Step At A Time

A conservation plan is carried out one practice at a time as resources become available. Soils information and planning assistance are available to every landowner upon request from the Soil Conservation

OLD VIOLIN

FORT WORTH, Tex. (AP) — The violin B.D. Griffin's father gave him almost 20 years ago may be the oldest in the world.

According to a violin appraiser, Julio Voirin, the ornate instrument is more than 400 years old and worth a six-digit figure.

Voirin, who has seen and appraised more than 100,000 violins, says the maple and pine instrument may have been constructed for a king, or even a pope. He said the man who constructed it was Gaspar Diufopuggar, who made the world's first violin.

The original label with Diufopuggar's name and the date, 1516, is still intact inside the instrument, Voirin said. It is made of parchment and the writing is done not with ink but with the juice of a special root.

Griffin, the Tarrant County Commissioner, said his father got the violin from a friend, who was a violinist and violin maker.

CHILD ABUSE
SPRINGFIELD, Ill. (AP) — A new computerized system for reporting child abuse has been put into practice here, reports a management information publication.

MIS Week says the program, operating on the Illinois Department of Child and Family Services computer configuration, solves a big problem by centralizing records from more than 70 field offices. The system makes it possible to update cases quickly and establish common denominators. And, if a child is in imminent danger of a repeat attack an alert can be out on that case to prevent further abuse.

A key function of the new system is to match names and clues to turn up possible leads in cases where the offender re-

mains undetected, such cases as those where the abuser takes the child for injury treatment to different doctors to avoid revealing a pattern.

The telephone hotline system operates 24 hours daily and can handle 18 calls simultaneously. Officials expect 10,000 calls per month this year.

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Federated Women Strive For Community Advancement

The Federated Women's Club Cass County Convention will be held March 16 at the United Church of Christ, 1607 Hazel.

Cass County President Mrs. Lyle Armstrong of Atlantic recently outlined the Federated Women's Club and its function.

The club operates on a national and state level, and is now international in scope also, touching 33 countries. As a study club concerned with social and community affairs, its members attempt to upgrade the community with a variety of projects, and meets monthly.

Goal

"The goal of Federated Women's Club is to strive for intellectual, moral and social advancement," Armstrong said.

At the county level there are several departments — international affairs, public affairs, scholarship and loans, arts,

conservation, education, home life, creative writing, reading and religion. Music campships are sponsored and funds are donated to the Iowa School for the Blind and the Sunshine Camp near Des Moines.

Armstrong said a major concern of the club is to support local libraries. The support goes beyond money. Projects include working and cleaning in the buildings, refreshment and reading sessions for children and book give-aways for youths.

Headquarters

The National Federated Women's Club is headquartered in Washington, D.C., and the state headquarters is in Des Moines. At the state level there are eight federated districts, and Cass County is a member of the Seventh District.

The District Seven chairman is Mrs. Robert Byers of Henderson. Mrs. Lyle Armstrong is Cass County chairman, while

Mrs. Tim Akers of Anita is vice chairman and Mrs. Rod Kunze of Lewis is secretary-treasurer.

The various Cass County clubs are:

Modern Miss Outlook, Mrs. Bill McMullen president, 16 members.

Atlantic Women's Federated Club, Mrs. Fern Herbert, president, 18 members.

Atlantic Junior Federated Club, Mrs. Dave Chase, president, 26 members.

Anita Women's Club, Mrs. Gail Turner, president, 23 members.

Anita Junior Federated Club, Mrs. Dana Eden, president, 23 members.

Griswold Progressive Women's Club, Mrs. Jay Hoozeven, president, 24 members.

Lewis Crescent Club, Mrs. Robert Blackman, president, 24 members.

Lewis Federated Women's Club, Mrs. Warren Elwood, president, 19 members.

Projects

Projects include scholarships, student exchanges, book and art donations, and many other efforts to help the community. An example of fund-raising activities is the annual Charity Ball sponsored by the Atlantic Junior Federated Club.

"It's a learning experience for the members as well as the people we help," Armstrong said. "We try to educate others while we educate ourselves."

LESSON

PIONEER, Ohio (AP) — Art Shickey, superintendent at a campground near here, spotted a motorist leaving the place without paying for the night's space, gave chase, brought him back and made him come up with the fee.

The motorist stalked out and was hardly a hundred feet down the road when his car stalled. It wouldn't start again. Schockey watched a while, and then went over and got it going.

A minute later the fellow drove back into the camp. He was dirty from working on the auto. "Mind if I take a shower?" he asked sheepishly. Schockey granted his request.

Massena Farmer Sold On Value Of Farm Ponds



Dan Follmann and pond built in 1980.

By The Cass County

Soil Conservation District

Water — you just can't get along without it. The livestock producer that finds himself out of water also finds himself out of business. A pond is an economical way to hold and store water that normally gets away as runoff.

Dan Follmann of Massena has built two ponds to supply water for his cattle. One pond was built in 1978 and the other one last year.

"I needed the ponds for livestock water," Dan commented, "but a pond also provides some gully control and recreation also. In dry times, I'd rather have a good pond than a well. A good pond is a dependable source of water and they take less upkeep."

A livestock watering pond is usually equipped with a gravity-flow pipe system taking water beneath the dam to a tank downstream.

"There's almost no upkeep on the watering system," Dan says, "and it doesn't take any electricity to run it. I use a \$10 plastic float, on the tank, that works automatically when the cows come up to drink, to avoid wasting water. I don't think it's a good idea for cattle to drink

right in the pond."

Soil erosion must be controlled in the drainage area of a pond to preserve the life of the pond, and to insure good quality water. Follmann has some strong feelings about good upland treatment.

"I think the erosion control above a pond is real important. If you don't have it, all your pond is going to be a silted in mess," Dan concluded.

Ponds provide some additional benefits that may be less obvious. "I think a pond improves the appearance of a farm," Dan added, "and it may even increase the value of a farm. You also get to see some wildlife that is attracted to a pond and that's good too. Both of the ponds are stocked with bluegill, bass, and catfish. My son is in the first grade and we're planning to do some fishing together."

Follmann believes in the value of a good pond. A visit with Dan will soon convince anyone that a well built pond is "worth the chips." Livestock water is the main reason for building a pond, but the wildlife, fishing, recreation, and erosion control are all just little added features.

Needed Clues Of Roots



Help if you have any information, that might give a clue. A relative, marriage, birth, burial, address or a place moved to. Send your reply to person requesting information:

— Wiota area, Manuel Sherk and wife Lillian. Children Frederick, Estella, William and McKinley Sherk. Any help with this family wanted, by Thomas Sherk, 23 Pleasant Ridge Drive, West Hurley, N.Y. 12491.

— James and Catherine (Carns) Reynolds and-or his brothers and sisters. James, son of Alonzo Reynolds. Also information on Carns family. Wanted by Iola B. Clayton, 784 Kelvin Road, El Sobrante, Calif. 94803.

— James A. Stover and daughter, Clara Esther who was married to Salem S. Jeffries. Information wanted by John Jeffries, 838 Skyline Drive, Junction City, Kan. 66441.

— Sutliff, Sutcliffe, Sutliffe and Sutfel. Looking for anyone with these spellings. Wanted by Leo C. Sutliff, 135 Mountain View, Tustin, Calif. 92680.

— Edward Reichardt and wife, Christine (Draegemueeller) Reichardt. Settled in this area after arrival from Germany. Wanted by Ellen Whomsley, 9932 Chris Avenue, Shalimar, Calif. 92680.

— Massena area, Edward B. Scott and wife, Ida Alice. John James Peck, father of Ida. Mary Peck, who married William Gulick. Also need information on Gaskills. Wanted by Roberta Leatherman, 603 East Jefferson, Winterset, Iowa 50273.

— Anita and Adair area, DeKalb Chestnut and Dr. David Chestnut of Anita. The latter was possibly a veterinarian in Anita. John Chestnut of Adair area. Wanted by Mrs. Clark G. Davis, 325 Farrell Road, Laredo, Texas 78041.

— Ezekiel M. Goudy and wife, Diana (Baccus) Goudy. James T. Goudy and wife, Mary E. (Wyckoff) Goudy. Diana believed to have died and Ezekiel remarried. Wanted by Mrs. Sidney Thune, 915 West Birch Ave., Mitchell, S.D. 57301.

— Mable Coudy, daughter of Jasper F. Goudy and Amada E. (Thompson) Goudy. Wanted by Ruth Heskler, 1195 N. Grape Street, Escondido, Calif. 92126.

— Litterst family information wanted by Christie Litterst Scherbing, 1509 W. Tomar Center, Peoria, Ill. 61614.

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Area Farmers Cite Value Of Erosion Control Practices

By The Cass County Conservation Service

When 1980 began, the problems to farmers included high production costs, high interest rates and terrible storms. The terrific storms and soil erosion have plagued man since the beginning of agriculture and farming.

"Last spring was fairly dry allowing the topsoil to be in great shape for crop production, but loose enough to be easily moved if we got some heavy rains. In June and early July the heavens opened up and Cass County witnessed the worst storms of the last 50 years," commented Bill Fudge, a Cass County Soil District commissioner.

Bill presents an important question when he asks, "When those storms came, was the soil protected on your farm with the best conservation practices possible? A strip of hay planted on the contour or terraces are of great help to slow down water from the top of the hill. That's the runoff that does the most damage."

Gullies

Bill is emphatic when he says, "farming up and down the hills has to be eliminated. This spring when the rains came, planter disk, and harrow marks up and downhill made ideal marks for the water to run. Tractor marks ended up as gullies. The water washed as deep as the soil had been worked."

Conservation farmers agree that there is no substitute for terraces and minimum tillage. Two area farmers, Don Prall and Owen Meredith, disagree with those who criticize these important conservation practices.

Donald Prall, an owner-operator south of Atlantic, has some strong feelings about the value of conservation work. "As I walked my fields on July 5, surveying the hail and wind damage of the previous nights storm, the only thing that I could feel good about, was that there was very little soil lost because of the heavy rain."

Dry Months

"Because of an unusually dry April and May, to conserve moisture, I did less preparatory work on my ground than usual. This left a lot of crop residue on the ground. My terraces, along with this trash, had saved a lot of topsoil. On one slope, on which there are five terraces, the bottom terrace had the least water standing in it," Don commented.

"This reminded me of something a Soil Conservation service technician once told me. When I first started using minimum tillage in 1967, Gilbert Wehrman told me that a mulch tillage system would help control erosion, but maybe I might need a few terraces out there to work with the mulch to give even more erosion control," Prall added.

Owen Meredith, also a landowner, has some interesting observations about erosion control. "I have a 320-acre farm in Grove Township on which the hilliest 160 is terraced, with bench terraces laid out by the Soil Conservation Service. The other 160 has no soil conservation structures on it."

Air View

"In late July, 1980, I had the opportunity to be flown over this farm for a detailed examination from the air. The difference in



Bill Fudge Owen Meredith

the two 160s was dramatic. The least hilly, that was not terraced, was gullied and washed, clearly showing the ravages of the June and July storms. The hilly, terraced 160 showed very little damage. The damage showed where a terrace had given way in one spot. This damage was minimal."

Last year was a problem year and huge amounts of topsoil were lost. A conservative estimate places erosion losses as high as 150 tons per acre — 30 times what is considered as tolerable to maintain long-term production. The solution to the erosion rests in the advice to use each acre within its capability, and to treat each acre according to its need. Some area farmers agree — conservation doesn't cost, it pays!

BUYING A USED CAR

PROVIDENCE, R.I. (AP) — People in the market for a used car need to know more than kicking the tires to spot a good one.

Fram Corp., a manufacturer of auto products, recommends doing the following to avoid buying trouble:

— Ask the dealer for the car's history;

— Talk to the previous owners to determine how the car has been driven and maintained;

— Be wary of a car with paint on the chrome and hinges. This can suggest extensive repainting, meaning that the car has been in a major accident;

— Examine the tires for cuts, imbedded objects, flat spots and uneven wear;

— Look for worn brake or accelerator pedals which can indicate higher mileage than is on the odometer;

— Avoid cars with sagging front ends. This suggests extensive wear.

Louis Philippe of France abdicated the throne in 1848.

Extension Echoes

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

Selling On Consignment

Displaying homemade items in a retail shop has been a traditional way for craftspeople to market their products. The craftspeople don't collect any money until the product is sold and the seller keeps a percentage of the sales price for doing the selling.

If you're thinking about selling this way, be sure to write up an agreement with the potential seller. This is a business arrangement, not just a favor from your friendly local merchant.

The agreement should include:

— A detailed description of each product offered for sale.

— A specified time period during which the product will be on display.

— The price to be charged for each product. If a potential buyer offers less, the storekeeper must agree to contact you before accepting the lower price. Also define how the price is divided between you and the seller.

— The stated method of payment after the item is sold. Will you receive your money after each sale or in a lump sum once a month?

— The agreement should clearly state who is responsible for insuring the items while they are on display. This is especially important for one-of-a-kind items and for expensive items which took a long time to produce.

Kitchen Remodeling

Sure, if you're remodeling the kitchen, you want to do it up right. But, if you ever plan to sell the house, there is a limit to how much the remodeling project costs you'll recover. Make the quality of the kitchen fit with the rest of the house. Overimprovement will only turn off buyers.

Experts say that it's safe to improve a house to a value (after improvement) of no more than 15-20 percent higher than the average home in the neighborhood. Another guideline is that the cost of the improvement should be less than 60 percent of the cost of building a new home of equal size and quality.

Hard Water

Iowa has hard water. This means it has a high concentration of minerals such as calcium, magnesium, manganese, and iron.

In hard water, soap forms a

sticky curd that doesn't wash out easily. Detergents use part of their cleaning ability to soften the water, so when water is hard, more detergent is needed.

Water conditioners help you get the maximum benefit out of detergents by tying up hard water minerals. They also contain mild, all-fabric bleaches.

Water can also be softened by installing a central water conditioning system connected to the water lines.

Decision Making

Some parents try to insure that their children grow up "right" by maintaining control over the children's lives — their clothes, friends, hobbies, course of study, and so on. But as their kids grow up, they begin to fight for control. Both parents and teens are hurt in the conflict.

It seems that there are fewer parent-teen conflicts when youngsters are given the chance to gradually assume responsibility for their own actions. Four-year-olds may decide

what to wear. Eight-year-olds may decide whether or not to join scouts. Ten-year-olds may decide what's the best time for them to do their homework. These all give children practice making and living with their own decisions. Also, it's a natural training ground for bigger decisions facing them as teens.

TRAPPED

TOLEDO, Ohio (AP) — Bob Rose, a newspaper reporter, stopped at a sidewalk newspaper box to buy a paper. He put coins in the slot, pulled the door open and took a paper. As he turned to leave, the door snapped shut on his coat.

He felt in all his pockets but could find no change to put in the slot to reopen the door, and he couldn't pull his coat free without ruining it.

In desperation, he turned to passing strangers for help. Some ignored him and walked on by. One who stopped to listen to his story had no money. Eventually, a young man with change financed his freedom.

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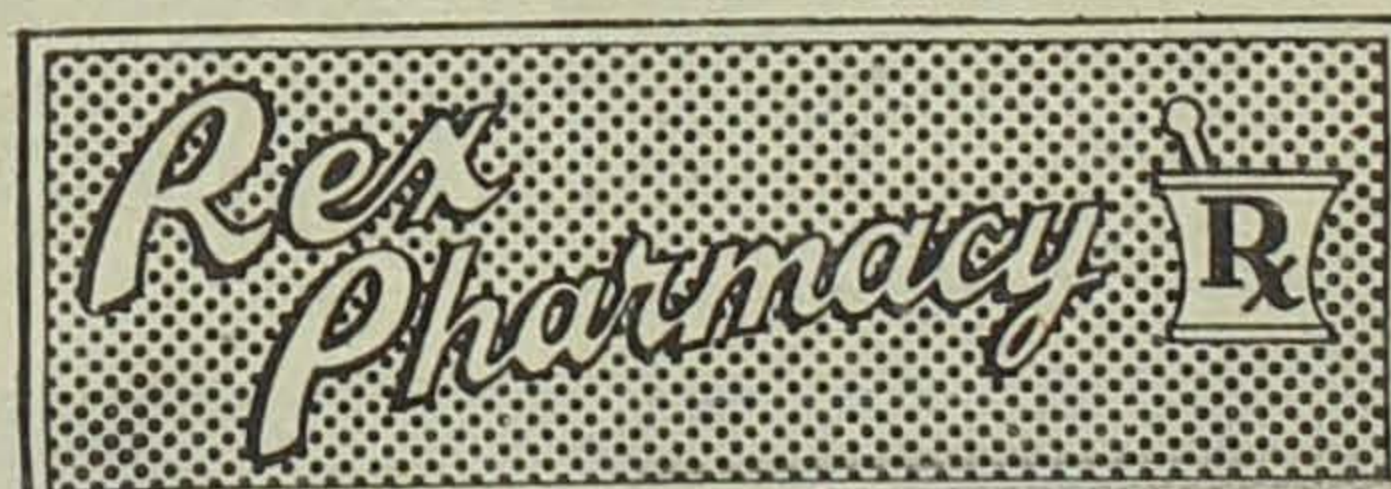
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Commuters Have Party Time On Bus Ride

ST. PAUL, Minn. (AP) — The folks who travel to and from work on Bus Route 46, between St. Paul and suburban Apple Valley, say there's a constant party on their "happy bus."

"We know everybody else's business," says Jaci Ronay, 31, from Apple Valley, a legal secretary in St. Paul.

One patron, a housewares

dealer, says she's peddled her products to other riders. Others claim they've sold grapefruit, cookies and pecans during the 50-minute ride.

Passengers exchange magazines, tell jokes and complain about the weather and the Minnesota Vikings.

With all that frivolity, commuters waiting at stops at Rosemount and Mendota Heights can almost hear the uproar as the bus emerges from the dark and pulls into view.

There's only one bus a day into St. Paul, the one leaving Apple Valley at 6:45 a.m. on the 21-mile trip. Ms. Ronay

says if regular patrons don't show up one morning, "They have to bring a signed note the next time."

The Metropolitan Transit Commission rotates drivers periodically and the bus patrons help new drivers learn Route 46.

"We get new drivers every eight weeks, so I sit up front and act as navigator," says Vern Ewell, 39, who gets on the bus at the beginning of the route and rides it to his railroad job in St. Paul.

At 4:50 each afternoon, the Route 46ers gather at a downtown St. Paul bus stop for the trip home. Once when the bus was early and only a few people got on, the patrons persuaded the driver to go back to the Minnesota Capitol for those who missed the bus at the route start because it was early.

Before he moved to Rosemount, Larry Day took a Minneapolis-to-St. Paul bus to work. "Nobody would talk to anybody," recalls Day, 30. Recently, after his wife gave birth to a baby, Day was toasted by fellow riders on the "happy bus."

There are countless other advantages to the familiarity. If someone forgets a package, it's usually still on the bus the next day. And if a rider is dozing when he should leave the bus, other riders wake him in time.

Consumer Education Programs Popular



IWCC consumer education county coordinator learns details of upcoming area seminars at periodic in-service meetings. Cliff Benscoter of Council Bluffs details everything from plaster repair to home wiring for "Home Repairs Made Easy," an upcoming class. Pictured with him are Kate Holt (center) of Cass County and Linda Nassen (right), coordinator for Page and Fremont counties.

In today's high-priced economy, it is more true than ever before that consumers should expect to get a fair deal in the marketplace. However, that fair deal is often up to themselves, unless they know where to get help.

Since 1972, Iowa Western Community College has provided free consumer education classes on everything from energy efficiency to comparative shopping in area citizens.

Although the program's base of operations is the Consumer Education Center, 708 Mill Street, Council Bluffs, classes are held throughout the college's seven-county district, says Sally Cole, program coordinator since 1976.

"We hold classes at Iowa Western's area centers, as well as in churches, people's homes, or anywhere else we can find."

Community Support

The consumer ed program depends heavily on community support for more than a class meeting place. Each county has an advisory board of local volunteers which assists the part-time county consumer ed coordinator with program planning and executive.

Other suggestions for seminars also come from the Interagency Council, a group of IWCC and area social service agency representatives which meets periodically "to compare notes and insure that our programs are not duplicating one another," Cole stated.

Enrollments High

Public participation in the free seminars has been high overall, Cole said, with a total of 6,727 enrollments from September, 1979, through May, 1980. This school year to date, a total of 3,328 enrollments have been recorded in 85 area seminars.

Usually, there are few, if any, seminars presented during the summer; enrollments are usually down due to summer vacations or farm work "and it gives my personnel a chance to breathe and assess the success of the previous year's programs," Cole noted. This sum-

mer, however, some things are being planned in conjunction with area county fairs and service and social clubs.

Food Most Popular

Classes pertaining to food purchase or preparation are the most popular with the predominantly female audience, Cole said, such as the well-attended Danish foods classes held in Shelby, Elk Horn and Harlan in November. Other topics such as "Cutting Your Crazy Spending," which give tips on budgeting and purchasing, are also well attended, she noted.

"Basically, our classes are concerned with time, energy and money management... what's the best buy, how to deal with consumer ripoffs, how to develop better buying habits, and so on," Cole stated.

Expanding Audience

One of the goals of the consumer education program is to continue to expand the program to attract a more varied audience, encompassing "all members of the family," she said.

A pilot program on parenting held last spring was very successful and will be repeated. Enrollments are made on referral only, and the target audience is those parents who are in a possible child-abuse, high-stress situation.

Another successful new program services the handicapped. Six-session classes in social skills and landlord-tenant relationships were so successful at the Nishna Productions Sheltered Workshops in Malvern and Shenandoah that the consumer ed program will be doing some classes at the IWCC Vocational Development Center in Council Bluffs and some in-service programs for the Glenwood State Hospital, Cole reported.

State Funded

Virtually all of the consumer ed classes are offered at no charge, Cole said, "to make them available to the widest audience possible." Funding for the program comes from the Iowa Department of Public Instruction.

BEAVERS

SACRAMENTO, Calif. (AP) — Bob Leach, a college art instructor, and his wife, Averil, are right now foster parents to three flat-tailed, tree-munching beavers.

"They're just loveable," he said.

Active in wildlife care organization, the Leaches take in other creatures besides beavers such as foxes, coyotes, raccoons and opossums, hawks, owls, crows and vultures.

They hope to release the animals into the wild once they are well enough or mature enough.

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'80 TRAIL CAT 4000		\$2,499	\$1,699
'81 TRAIL CAT 4000		\$2,599	\$1,999
'80 PANTHER		\$2,399	\$1,799
'81 PANTHER		\$2,599	\$1,999
'80 PANTERA M		\$2,599	\$2,049
'80 PANTERA E		\$2,749	\$2,199
'81 PANTERA M		\$2,849	\$2,349
'81 PANTERA E		\$2,999	\$2,499
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Suggest Ways To Improve Pastures

By Dan Merrick

Cass County Extension Director
Land devoted to the production of forage and pastures accounts for approximately one-third or 100,000 acres of land use on farms in Cass County.

Oftentimes, permanent pastures are overlooked as a source of increasing farm income. Heavy grazing of blue grass pastures, particularly after late falls such as in 1980, have caused pastures to be grazed extremely short. Research at Iowa State University has shown that proper fertilization can increase pasture production by from 200-300 percent.

With rising rental rates, oftentimes farmers are attempting to secure additional grazing land when improved management practices would handle expanded livestock herds on less acres.

According to research conducted at Iowa State University, unimproved Kentucky bluegrass pastures usually produce from one-half to a ton of dry forage per acre while unfertilized tall grasses such as brome grass, orchardgrass, tall fescue and reed canary grass range in dry forage yields from three-fourths to 1½ tons. With the proper application of fertilizer, bluegrass yields can be expected to reach three tons of dry forage and 250 pounds of live weight gain per acre, while tall grasses under heavy fertilization, will produce 400-500 pounds of live weight gain per acre.

It can easily be noted throughout Cass County that oftentimes pastures that were low producing, fell prey to the plow and converted into row crop ground, even though the land was not suited as a means of increasing farm income. With the increased cost to row crop production, farmers should consider the alternative of improving pasture with proper fertility program.

A complete soil test is the best guide for applying fertilizer to pastures, however, some general rules of thumb recommend that for bluegrass, approximately 70 pounds of nitrogen annually be applied, while the tall grasses, such as orchard and brome grass, would benefit from an application of 100 pounds of nitrogen per acre.

The most efficient way to increase grass production from bluegrass pastures is a split application applying a portion of the fertilizer in the fall to take advantage of the August-September grazing period and a second application in the spring which allows for early grass production prior to the dormant season during July and August. Heavier rates of fertilizer can be applied when a split application method is used.

The proper use of fertilizer can also direct a balance of grass and legumes in the case of combination pastures. An example being an orchard-alfalfa pasture where the producer wanted to increase the amount of legumes, would not apply any nitrogen, but rather apply phosphorus which would increase the legume production.

In the meantime, if a pasture was thought to have sufficient amount of legumes with a need for an increase in the amount of grass ratio, additional supplies of nitrogen would be used with no phosphorus applied.

I suggest those who may be interested in developing a complete fertilizing and management program for their



Dan Merrick

pastures and rotation crops, secure a free pamphlet from the Cass County Extension Office, entitled "Fertilizing Pastures," pamphlet 869.

Frostseeding, sometimes referred to as overseeding, can be used to establish legumes in existing grass pastures. Follow-

ing heavy grazing as during 1980, several farmers have noted seedings entering the winter period at somewhat less than a desirable stand.

All commonly grown legumes can be established by frost-seeding, including alfalfa, red clover, Alsike clover, and Ladino clover; however, the best stands of legumes established by frostseedings have been obtained in orchard grass.

Seeding rates and successful management tips are outlined in a pamphlet available at the Extension Office, entitled "Improving Pastures by Frost-seeding," pamphlet 856. Those who may be interested in improving their pastures by frostseedings should pick up this pamphlet as frostseeding should occur during the February-March period.

FORMER STAR

SNOHOMISH, Wash. (AP) — Sir Winston, the white thoroughbred that made those spectacular high jumps in Walt Disney's "The Horse in the Gray Flannel Suit," has lived the life of a retired star the past 11 years at Silver Cedars Ranch here.

He is owned and pampered by Paul and Jean Bochan, and their children, Tamara and Derek.

They have a Sir Winston scrapbook and photographs of Sir Winston with his costars, Dean Jones and Diane Baker. They all have seen the movie several times in theaters, and everyone gathered around the TV set when the film had its one prime-time showing.

Sir Winston, now 21, was named Silver Speed when he was born to a couple of race horses, Osorno and Dallas Lady. At age 9, when he should have been settling down, Hollywood beckoned.

Three look-alike horses, called Sir Winston collectively, starred in the movie. One did closeups, another mid-range shots and still another the running and jumping sequences. Silver Speed did the jumping.

After the movie, Sir Winston-Silver Speed was put up as a loan prize at a horse show. The Bochans acquired him from the winner, who didn't have facilities to keep horses.

Human brucellosis is also called undulant fever.

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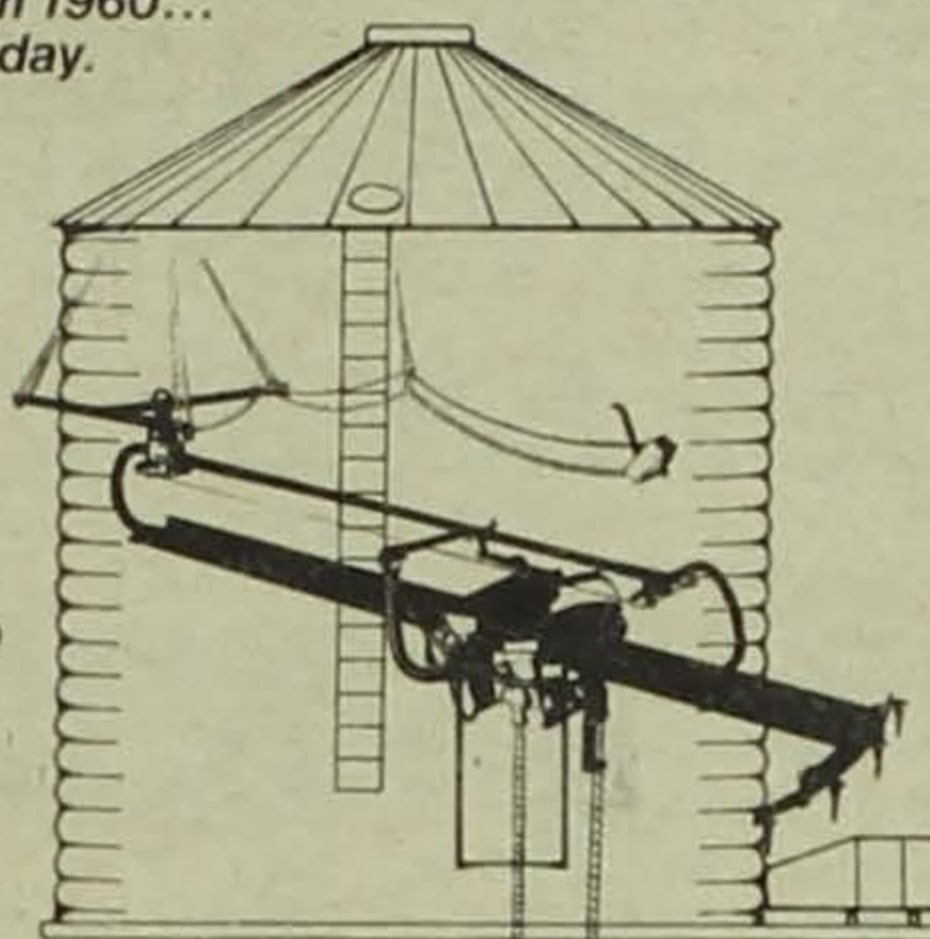
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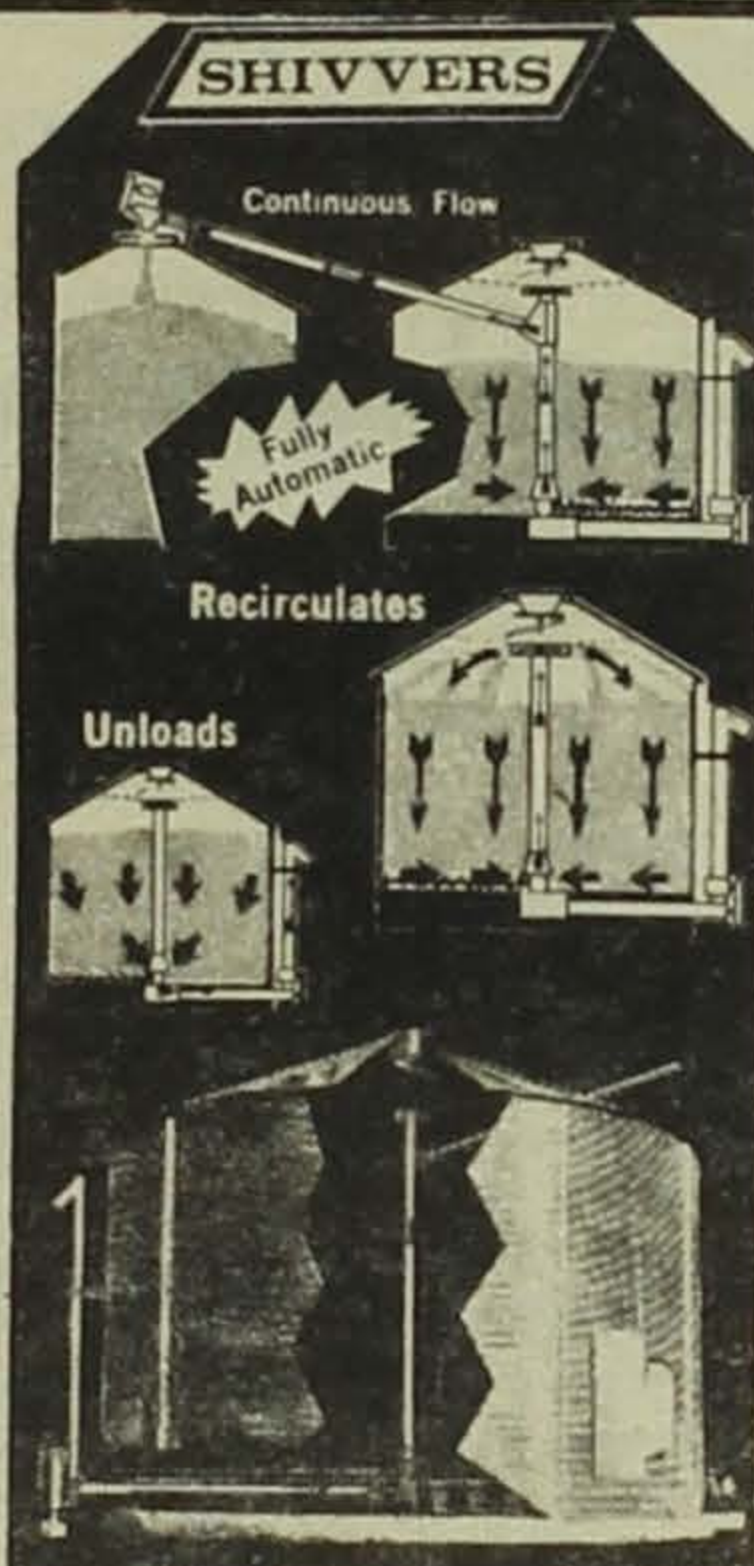
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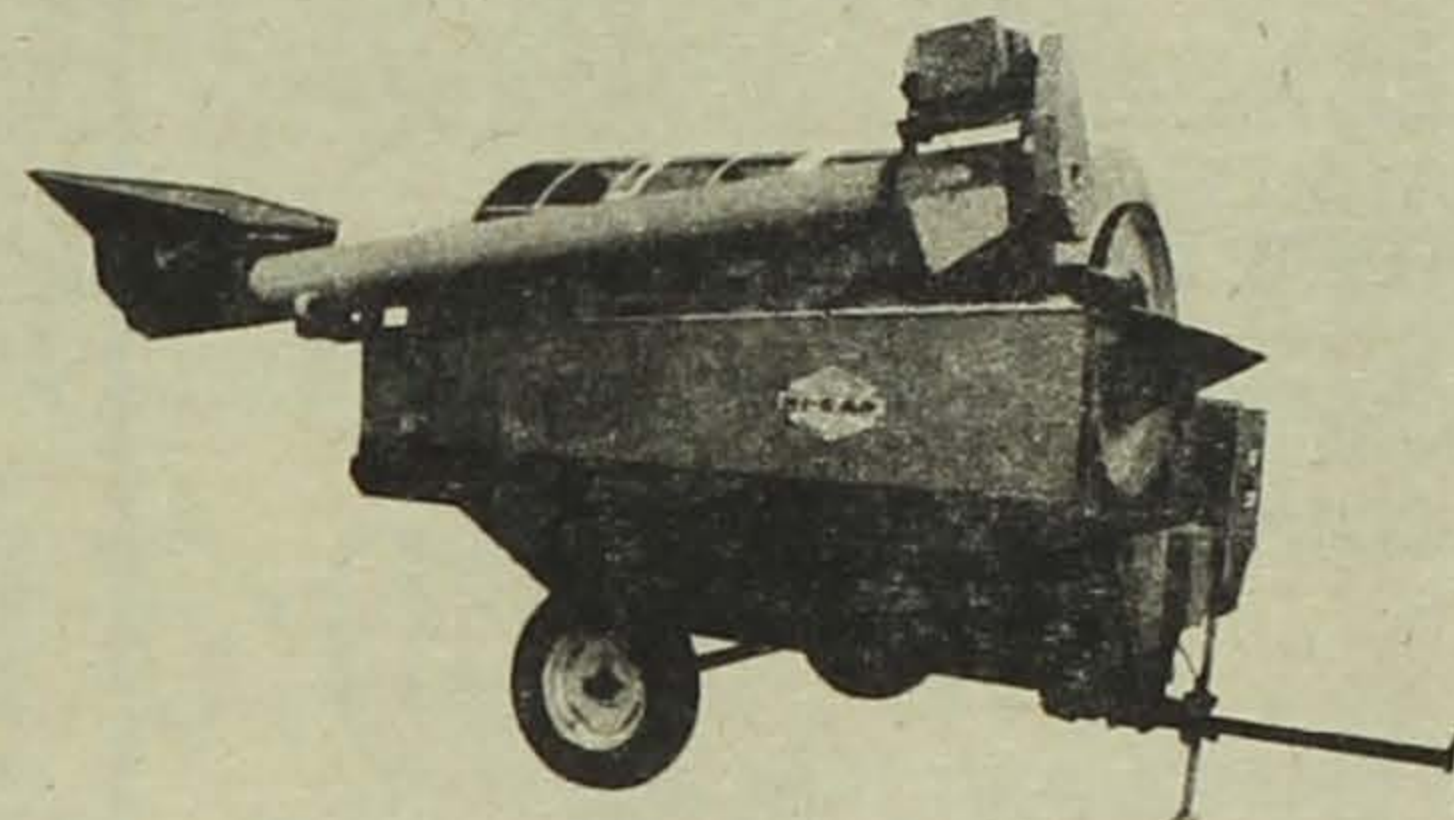
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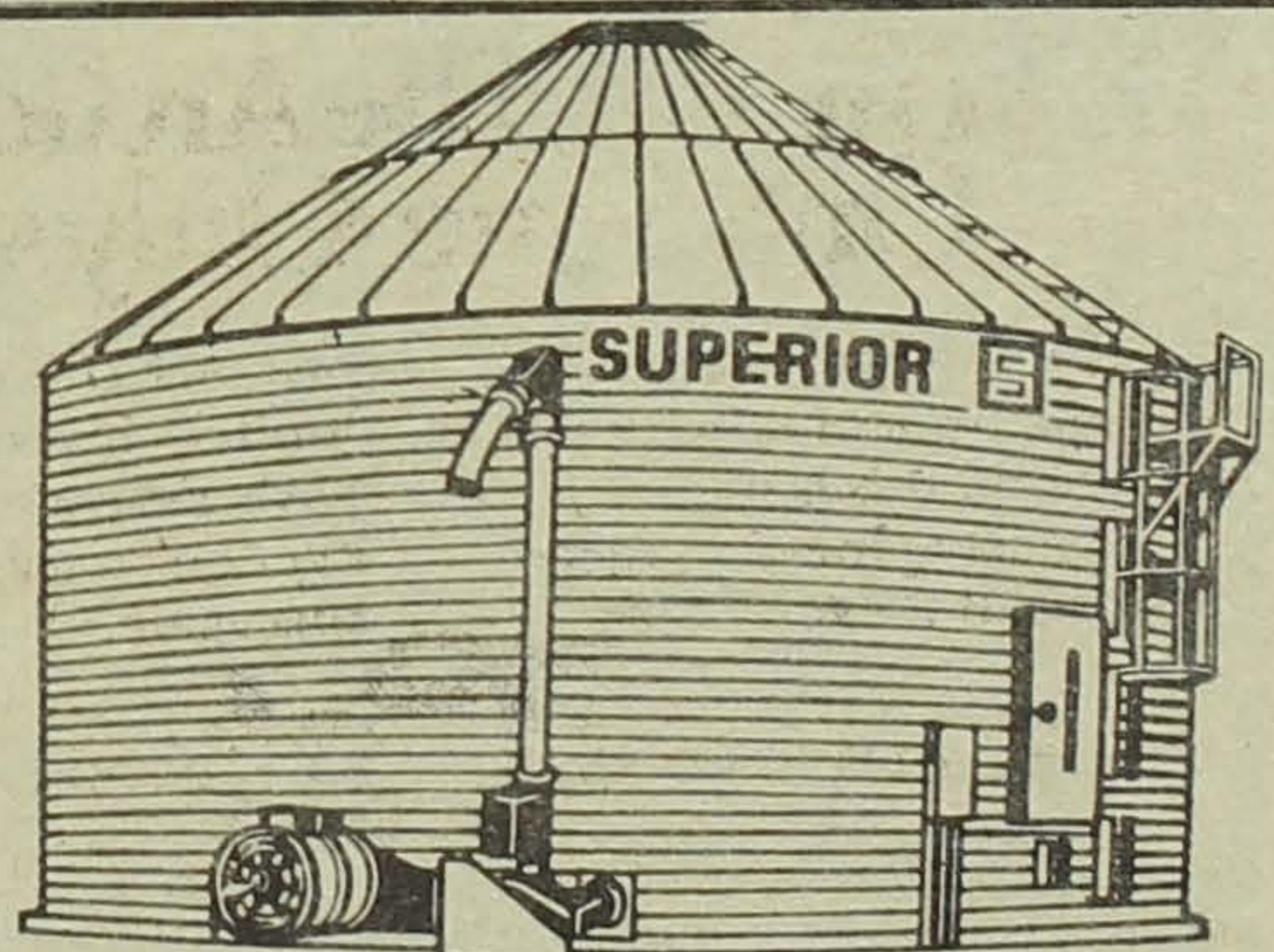
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Five parties had candidates on the presidential ballot in 1896, but it is doubtful that Williams Jennings Bryan would have been elected over William

McKinley even if the National Democrat, Prohibitionist and Socialist Labor voters had lined up with the Populists to vote for him.



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Tradition Hard To Break On Western Iowa Farms

By Steve Storer
Area Conservationist
Soil Conservation Service

Corn and bean harvest is completed. The fall weather is good so naturally it's time to plow! For a few generations now, father has taught his sons, and they have impressed upon their sons the beauty of a freshly plowed field. Plowing contests were held to demonstrate and award those for straight rows and complete residue coverage.

Spring finally is here so the soil can now be disk a couple of times along with the necessary smoothing operations. The soil is now perfectly black. No residue is present on the surface so it's time to plant. Soon the green rows of corn and beans area striking sight against the rich, black topsoil. It is a beauty to behold — or is it? It must be for we have done this for 80 years or more.

During this period of time, erosion has run rampant. The rich, black topsoil is now fading to a light tan. The loss of the eight inches of valuable Iowa topsoil is noted state wide. The general public is becoming more and more concerned about not only the soil loss, but also the water pollution that is occurring.

Surface Cover

Planting methods are available to reduce soil erosion. Generally, erosion can be cut in half by conservation tillage. You ask what that is? Well, very simply, it is producing crops with less tillage; leaving last years residue on the surface. It will protect the soil surface from both wind and water erosion. Other savings include labor, fuel, soil, moisture and equipment costs.

The leaving of 2-3,000 pounds of last years residue on the soil surface will generally reduce soil erosion by 50-70 percent. This depends, of course, upon the slope of the land.

However, rather than relying on pounds per acre, think in terms of surface cover. Any tillage operation that will leave 55 percent ground cover is an adequate conservation tillage program. Remember, it is the residue that is the first line of

defense against wind and water erosion.

This all seems rather simple — just reduce tillage and some of our erosion problems are solved. Why then is it so hard to get farmers to use conservation tillage or no-till cropping systems? In my opinion, it appears it is not sociably acceptable.

My neighbor will laugh at me for doing a trashy job of farming. For, you see, the soil must be clean and black. This is what I have grown up to understand and believe. Yes, we all fear criticism. This is true in all walks of life.

New Cropping Procedure

Yet, it is the innovator who educates himself to do a better job. He goes against peer pressure and changes how things are done. This is true with conservation tillage and no-till cropping systems. Changes are being made in this area. It is only natural that conservation tillage progress is slow. Tradition insists it be this way.

However, western Iowa farmers are moving to no-till systems. Each year more farmers are going from clean till to conservation tillage systems. It may be that they have even tried a system on the back forty, many times where only a few know of the operation. Eventually, the systems get out along the road where others benefit from the innovator's experience.

Recently, western Iowa farmers showed their interest in two meetings on conservation and no-till systems. More than 300 attended a Conservation Tillage Clinic at Atlantic and 150 at Missouri Valley.

During the clinics, it was noted that weeds, insects and



Steve Storer

fertility are not significant problems with this type of farming. It was also noted that economically conservation tillage compared favorably to all other systems. When you take into account the equipment and labor needed, conservation tillage becomes a valuable farming concept.

Demonstration Plots

The Golden Hills Resource Conservation and Development tillage plots near Oakland have provided important information on various tillage systems the past three years. Plans are to continue the program a fourth year.

Yields last year ranged from 63-102 bushels per acre. Yes, the highest yield was from the traditionally unacceptable till-plant system. Slot-till was the next highest yielding system.

The normal yearly cycle has gone on record for many as another year of clean till farming. For others, they are attending no-till farming conferences. They are educating themselves to do a better job of conservation farming. They realize that tradition must be broken. Soil erosion must be curbed to prevent robbing future generations of this production capability. All of us must work together to protect the valuable resource — our soil!

Grandmother Makes Clothes For Strippers

ABERDEEN, S.D. (AP) — Mildred Baker of Aberdeen is an artist of sorts, but her work usually ends up crumpled on a bar-room floor. Mrs. Baker — a 47-year-old grandmother of 10 — makes costumes for touring strippers.

Her seamstress career for dancing women began about six years ago when she got a part-time job at an Aberdeen lounge. There she got to know several of the strippers and they told her about the large amount of money they paid for costumes.

Mrs. Baker didn't see a lot of competition in this career, and she had been sewing most of her life, so she decided to give it a try.

"I spent almost two years watching and talking with the girls," she said. "The sewing is really a small part of it."

"You have to see what colors match under the lights, and also pay attention to the material and durability of the costume. And the dancer has to be able to put it on and take it off gracefully."

"Basically I guess you'd call them all strippers, but there are different categories," said Mrs. Baker, describing them as ranging from the lowest-paid go-go girls to show girls who perform intricate acts and skits with more elaborate costumes.

"Why, you just wouldn't believe some of the stuff they put on — and take off. They dress up as cowboys, Indians, parlor maids, just about anything."

Since she has started making costumes, Mrs. Baker has gotten to know many of the dancers very well and says they are just as ordinary as the girl next door.

"These are just the nicest, politest girls that you'd ever want to meet," said Mrs. Baker. "They're very respectful, and they always call me Mrs. Baker. Except my best dancer friends call me mom."

"It's kind of a shame some of these girls are looked down on," she said.

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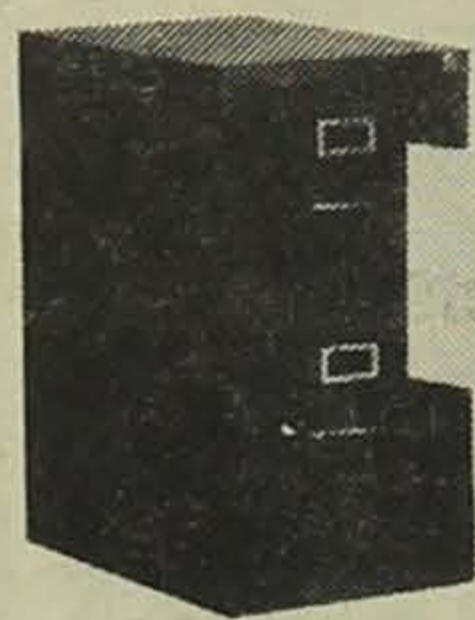
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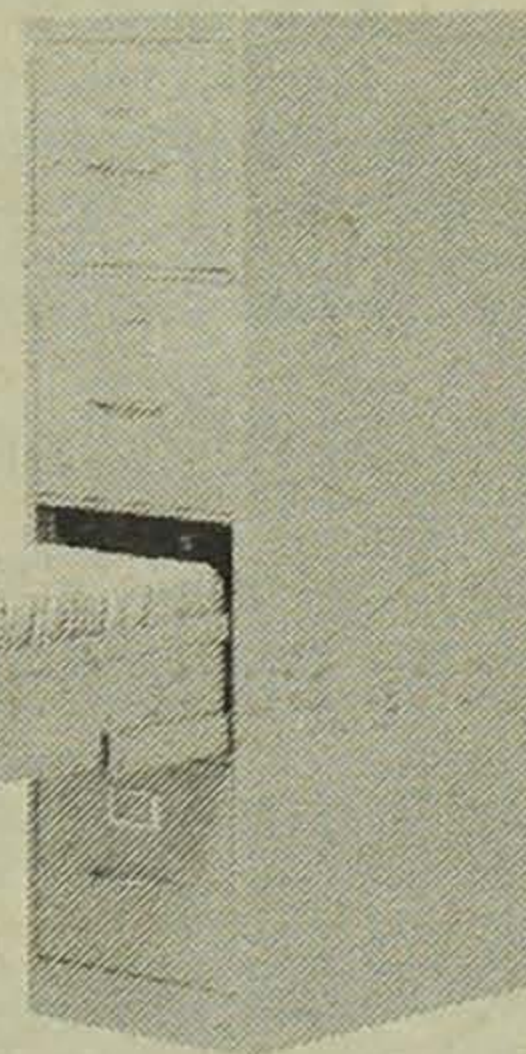
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Every Farm Can Create Conditions To Improve Iowa's Wildlife

By: George Cox
Wildlife Biologist

Iowa Conservation Commission

Creating conditions that benefit wildlife does not mean doing things that will make your farm look peculiar. Using the various topographic and natural cover features already on the farm can be of benefit to wildlife.

Crop fields have value to wildlife, except during the spring of the year when seed bed preparation and planting are in full swing or if a field has been fall plowed. They provide food, cover, and places where broods of young birds can sun, dust, and preen themselves.

Crop fields are places where insects are easily caught and where, after harvest, there is ample food. Only if a field has been fall plowed or if deep snow persists throughout the winter is the grain not available to wildlife.

We cannot control the weather but it is possible to feed wildlife simply by not fall plowing.

Hay fields are frequently used for nesting by a variety of birds. They provide the desired cover during the time of year when the nesting effort is at its peak. However, as much as one fourth of our hen pheasant population is destroyed each year by early season mowing. Delaying the first cutting of alfalfa by as little as ten days to two weeks can add significantly to each year's pheasant population.

Hay Fields

Hay fields adjacent to crop fields such as those found in a strip-crop system are desirable habitat for upland nesters. They also provide good soil conservation with erosion protection nearly equivalent to that of terraces. Alternating strips of meadow and crop field is an excellent soil-saving technique.

Pastures can serve wildlife favorably if they are properly managed. A heavily-grazed pasture is usually a poor place for livestock. It's an equally poor place for wildlife. Wildlife simply cannot compete in an already abused resource such as over-grazed pasture.

Well managed pastures are utilized by a variety of wildlife species for nesting. They also offer wildlife places to freely move about and to feed upon insects and plant material.

The seeds of trees that blow into pastures are easily found by foraging wildlife; stock paths provide dusting places; and the crowing territory of cock pheasants often includes a portion of the adjacent pasture. Where pastures extend into bottomlands or next to woodlands, they help break up larger blocks of similar cover-types which are not preferred habitat.

Prairie Grass

Native prairie grass offers the cattleman summer forage not available from cool-season pastures. It also is excellent wildlife habitat. Bromegrass and other cool-season grass pastures can offer wildlife usable habitat, but competition from grazing livestock often excludes wildlife.

Throughout rolling farmland there are usually areas which are or can be devoted to trees. Woodland provides erosion control, timber products and wildlife habitat. Steep hillsides, severely eroded slopes and marginal lands which should not be cropped are well suited to woodland development.

Also river and stream margins should be given the protection of forest growth, not only to

prevent gully formation, but to slow the rush of flood waters and to prevent bank cutting.

On many places on the farm, trees can be allowed to provide pasture shade, a nut crop for wildlife food as well as for human consumption, or for wood products such as lumber, fence posts or firewood. Firewood is very much in demand now, and good profits are in store for the farmer who properly manages his woodlands.

Perhaps the most significant difference between any two farms, when we compare them for wildlife values is the condition of their fence rows. Brushy fence rows offer good wildlife habitat, but not many farmers realize that it is good agricultural business, in most cases, to keep them that way.

Ditchbanks that grow thick with brush and grass are beneficial to both soil conservation and wildlife. Vegetation growing in the ditchbanks will prevent gullies from forming into the bank and eventually reaching out into cropping areas. It also provides valuable places for wildlife to escape from severe winter storms as

animals can crouch beneath vegetation along the side of the bank protected from the winds.

Roadsides represent good opportunities for cover management on the farm. From the standpoint of both appearance and wildlife needs, the road right-of-way should neither be completely cleared nor allowed to close in entirely with brush.

Narrow thickets of shrubs should be left next to the fences. However, corners near intersections should be cleared so as to not obstruct vision and snow traps should be removed, but the rest of the area is best if seeded to grass and kept that way.

Nearly every farm has "odd

corners" that are impossible, impractical, or unwise to farm that will make good wildlife habitat if properly developed. The "odd corners" should be allowed to grow up with native brush, be seeded to grass, or be planted to trees and shrubs. In this way they will help round out your cover pattern for wildlife on your farm. They must be fenced to exclude livestock.

It is unlikely that all of the included suggestions will apply to each farm. But some of them will, and each suggestion should help. It is fundamental, for a land manager to increase productivity...agriculturally or for wildlife. Better soils yield more of all crops, including wildlife.



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Law To Help Timber Growers

By Allan L. Pratt
Of Red Oak
District Forester

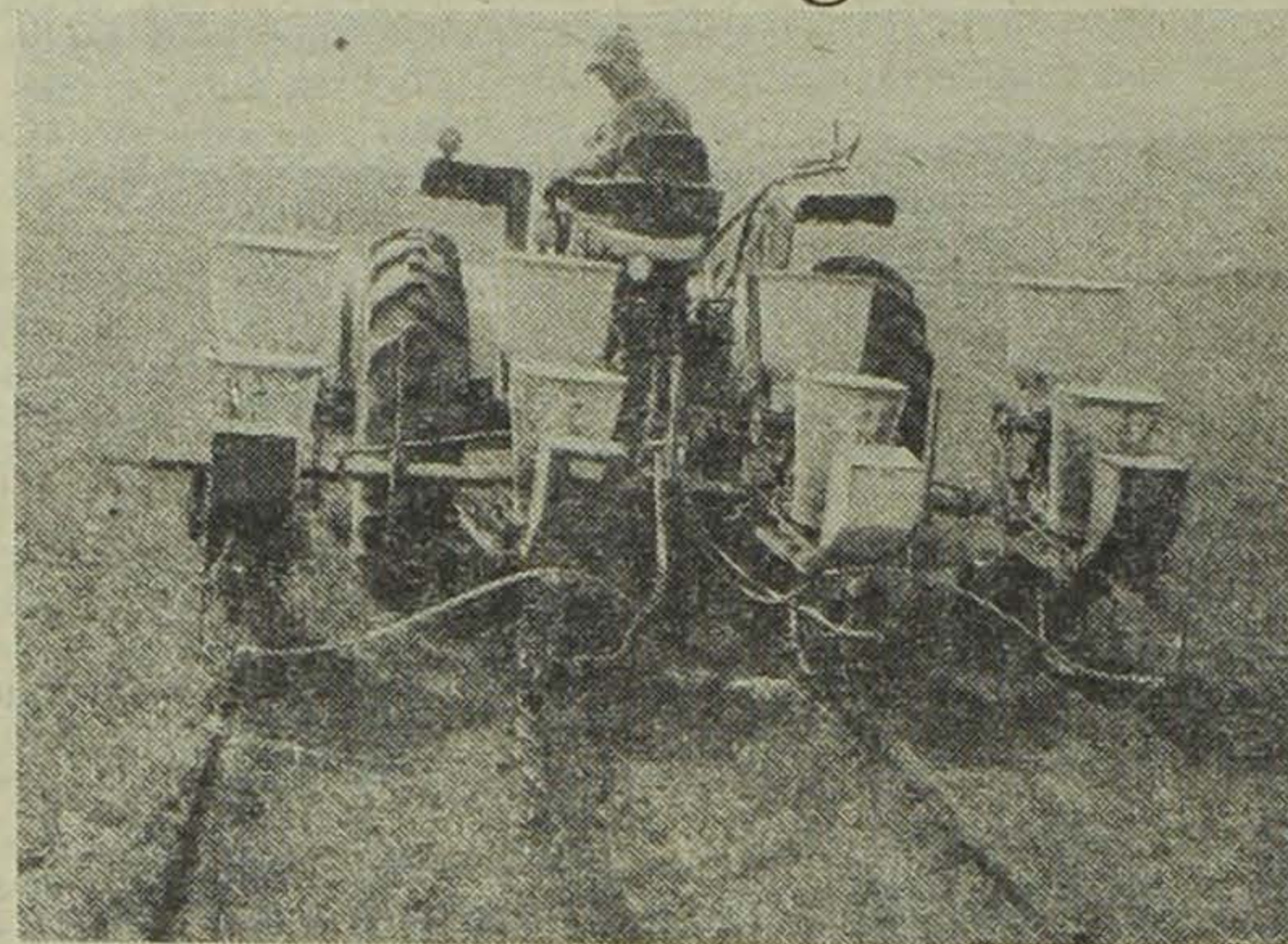
Timber owners should be aware that a new law can benefit them. Iowa Conservation Commission forestry officials state that as of Jan. 1 all timber buyers must be bonded with the commission. Everyone engaged in buying standing timber from timber growers must have a bond posted to protect the timber grower from unscrupulous timber buyers.

Under this law, when a bonded buyer purchases trees

from a grower and his check bounces, then the bond guarantees that the buyer has money available for payment. The timber grower may still find court proceedings necessary to gain the judgment, but the bond will guarantee that the logger has money to make the payment.

Forestry officials urge all timber owners to deal only with bonded buyers and to enter into written contracts. For further information or marketing assistance, contact the district forester.

Conservation Tillage Quiet Revolution In Agriculture



Byron Bower of Anita planted corn by the no-till method in May last year. Erosion control using this system is excellent and yields can equal conventional tillage methods, reports the Cass County Soil Conservation District.

By Bill Willis
Cass County
Soil Conservationist

Conservation tillage is becoming known as quiet revolution in agriculture. Three out of every five farmers have stopped using the moldboard plow in favor of chisels, disks, minimum till or no-till planters. The plow is being abandoned in order to save soil, save fuel, preserve soil moisture, reduce cost and prevent soil compaction.

Two Cass County farmers are using reduced tillage systems without sacrificing crop production. Byron Bowers and Don McCunn have had some experience in making conservation tillage work on their farms.

Byron Bowers and his two sons farm a large amount of rowcrop acres using the Buffalo till system. This system works through a mounted, tool-bar planter that will either slot plant or plant in a narrow band swept clean of residue by a wide sweep. It is not necessary to perform any heavy tillage work, such as disking or chiseling, prior to planting.

The system Bowers uses

the residue from last years crop, or to plant into sod. The erosion control from this system is excellent if some attempt is made to contour on sloping ground.

Big Yield

On one field planted directly in sod last year, Bowers produced 160 bushels of corn per acre with an adjusted yield for moisture of 140 bushels per acre. The herbicide program consisted of one quarter of atrazine, two quarts of bladex, and one pint of paraquat broadcast sprayed as a tank mix in 30 gallons of liquid nitrogen. Fertilization was done with 92.4 pounds of nitrogen broadcast, plus 90 pounds of 8-32-16 put on as a starter. A 110-day variety of seed corn was used and slot planted with a Buffalo-till planter. No insecticide was used.

Machine cost per acres, based on custom rates normally charged, would be \$19 for Bowers system. This is compared to \$21 for disking, \$25 for a chisel-disk operation, and \$30.70 if a traditional plow-disk-harrow system was used.

Minimum tillage systems will

save money, and yields can be equal to, or better than, conventional methods.

No-Till

Don McCunn prefers to use the no-till system for corn using a John Deere 7000 planter equipped with fluted coulters. This planter also plants directly into last years stalks without prior tillage.

In 1980, Don planted 18 acres, the no-till way, and began by harrowing the stalks. The System Don used last year was:

Ground preparation — harrow only;

Planted — April 19;

Plant population — 25,500;

Fertilizer — 106 pounds nitrogen, 74 pounds phosphate, 52 pounds potash, 88 pounds of 8-32-16 (starter);

Insecticide — 10 pounds Furadan;

Herbicide — 2½ quarts atrazine, 2 quarts lasso, applied April 19, 2 quarts atrazine, 1¼ pint crop oil, applied May 27;

Yield — 90.05 bushels No. 2 yellow corn per acre;

Estimated machine cost — \$15.70 per acre.

Early Planting

"We made some mistakes on this trial with no-till," Don comments, "but we know how to do it now. We planted too early and the ground was cold. If we waited another two weeks, we could eliminate the second application of herbicide."

"Soil erosion is a problem, and no-till definitely reduces soil movement. After a 3½-inch rain last summer, you could see evidence of water movement, but not soil movement," Don added.

"My brother tries no-till on over 200 acres of corn last year, and his yield was well over 100 bushels per acre. We're convinced it works and we're going to use the system on about 60 acres next year," Don concluded.

Conservation tillage is the quiet revolution in farming. Cass County farmers are proving that it is possible to save soil, time, fuel and trips with conservation tillage. The Yields reported by Bowers and McCunn are real proof that you don't need a plow to raise corn!

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Conservation By Choice Or Mandate?

By Max Miller
Conservation By Choice
Or Mandate

"What method should we use to keep our topsoil in place? Should the answer be voluntary methods or mandatory regulations? The long-term ability to continue production depends on keeping the soil in place where it belongs," states Max Miller, a Cass County Soil Conservation District commissioner.



Max
Miller

Several years ago, the Iowa Legislature enacted the Conservancy Law which required that soil loss limits be established, and declared sediment damage as a nuisance. The law declared that it was lawful for one farmer who was receiving sediment damage to issue a complaint against his neighbor.

With the help of the district, the farmer who was in violation could be required to install the necessary practices to get soil loss down to allowable limits.

"The constitutionality of this law was challenged. The case went all the way to the Iowa Supreme Court, and the law was upheld and it is enforceable," Miller added.

The 68th General Assembly last year amended the Conservancy Law (467A of Iowa Code) to deal with land disturbing activity in cities and towns.

"Single family dwellings or individual lots less than 10,000 square feet are excused from the law. The law does mean that developers will have to develop and carry out an erosion control plan," Miller explained.

Hearings were held across the state Jan. 2 concerning the new regulations for urban development. Beginning this year, the new requirements for erosion control on new housing developments, industrial sites, and large construction areas will go into effect.

"It was interesting to note that in the Supreme Court decision about the Conservancy Law that controlling erosion was considered to be in the best interest of the state.

"The real question before all of us is whether individual farmers in Cass County and across the state are willing to save topsoil voluntarily, or will erosion be controlled by mandatory laws and regulations? I think it is important to start an all-out effort to do what we can for ourselves to keep the soil in place where it belongs," concludes Miller.

DOLL MUSEUM

PROVO, Utah (AP) — Dolls collected by the late Laura Christensen McCurdy Clark are the main feature of the new McCurdy Historical Doll Museum here.

Ms. Clark was a native of Gunnison, Utah, and for many years a school teacher and civic worker in Salt Lake City. When she died in 1975 she had collected over 800 dolls, many of which she had commissioned to be made.

Being A Woman Helps Crime Fighter

STAFFORD, Conn. (AP) — Patricia Libby, a college-educated, eight-year veteran crime solver, says being a woman is an asset in her job as a Connecticut state police detective.

"Being a woman is one of the things which makes me good at what I do," said the 30-year-old Ms. Libby, assigned to Troop C in this northern Connecticut town.

"It's a good job for a single woman," she said in an interview, adding, "It's probably the most exciting field a woman can enter."

Ms. Libby says that in undercover work women attract less suspicion and can accomplish more than a male counterpart in some cases.

She also feels that she has an edge in interrogating some suspects.

Some criminals believe a woman police officer may be less observant, so they relax and are often caught off guard, she said.

"I'm not above playing dumb once in a while," she added.

Ms. Libby says because she is a woman she is often assigned to sex-crime cases where the victims are often women and children and usually more comfortable talking to her than to a "man in a big hat and uniform."

But she handles all types of cases.

She and another officer are credited with solving the 1969 murder of University of Connecticut student Paget Weatherley. Ms. Libby says she believes other officers were waiting for her to prove herself.

"I think that's the case in

any male-dominated field," she said, adding, "The Weatherley case was my big break. They knew I could do my job after that."

Ms. Libby started police work one month after she graduated from the University of Maine, where she majored in education social studies.

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ATLANTIC

SNAKES

ESTABOGA, Ala. (AP) — Meet the Yarbroughs — an American family with 354 snakes in their basement.

Thomas Yarbrough says he wouldn't have it any other way. He has been around snakes

since he was a child and they've been his livelihood since he left the Navy 18 years ago.

Yarbrough, 47, contacts school principals and sets up exhibits for students for a fee. He also raises snakes for sale to zoos and pet dealers.

His wife, Mary Anne, accompanies her husband to schools, helping him fish the reptiles out of their sacks and returning them when their performances are over. "I'm the official snake-bag tier," she says. "And I make sure they get tied good and tight."

One of their sins, Mark, 18, was bitten by one of the snakes recently, by they are unshaken. "It's just as if he had been in a car wreck," Mrs. Yarbrough says. "We tell him he'll just have to be more careful."

Vesta is the only asteroid in our solar system that can be seen without a telescope.

LAFF - A - DAY



"Aside from that one mistake, Mr. Morton, how do you like it?"

Avoca Senior Has Her High School Diploma — At Last

(Reprinted from the Council Bluffs Nonpareil.)

Irene Behrens of Avoca is not a typical adult student.

A former licensed practical nurse, Miss Behrens recently received her high school equivalency degree through Iowa Western Community College.

What makes Miss Behrens' accomplishment un-typical is her age — 78.

Curiosity and a strong desire to learn drew Miss Behrens into the general educational development (GED) program four years ago.

"I really went to see what it was all about," she said. "I got

started and then just stayed with it."

"After I started I got more encouraged all the time. I was really checking myself out to see if I could do it," she said. "It seemed like everything I did was better than what I did when I was little."

Country School

A pupil at a small country school when she was young, Miss Behrens said she remembers taking classes in subjects such as applied physiology and not understanding anything about the subject when the class was over.

"We read the words and said them, but they were too hard for little country kids. We didn't know what those words were," she said.

Miss Behrens said she would have liked to continue her education when she was young, but circumstances made that impossible.

"We lived south of Manning about 10 miles out of town at the time, and there were only two grades of high school in Manning. We had no car or transportation. It was too far to walk and there was no money to board me in town, so I couldn't go," she said.

The idea of learning more, however, never stopped fascinating Miss Behrens.

After working through the Depression and war years as a children's nurse, she went to school in the 1950s to train as Licensed Practical Nurse.

Hospital Worker

She worked in Omaha hospi-

tals until her retirement in 1969, when she moved to Avoca.

The CED courses, in natural science, math, social studies, English and reading, become another way of expanding her horizons, Miss Behrens said.

"I just study for my own satisfaction," she said. "It made me feel real young to go back again. I rather enjoyed it from the beginning."

Miss Behrens' teacher, Jean Wilson, said she noticed a real difference in the senior citizen's work compared to the younger students.

"Irene worked at it thoroughly, not just to pass the test but to really learn it," Mrs. Wilson said. "Some people just hurry through it and learn enough to pass the test, but she really learned the material to know it. I know she got a real sense of accomplishment out of passing the tests."

Even though she has her CED certificate now, which she plans to frame and hang, Miss Behrens isn't through. She's still attending GED classes, using more advanced books, and college correspondence courses are being considered.

"I want to figure out what makes things tick," Miss Behrens said.

When traveling with baby, use empty baby food jars to carry instant cereal. Put 2 tablespoons of cereal in a clean jar for each serving and seal with the cap. At mealtime, add the formula or warm milk and the cereal is ready to serve.

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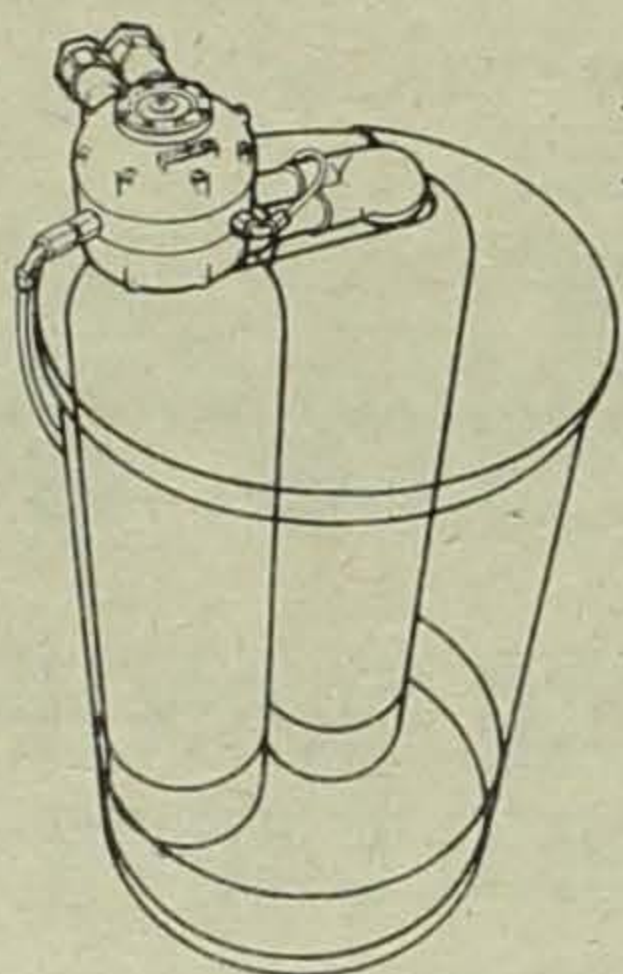
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Plants Grow In 'Thin Air'

SITRIYA, Israel (AP) — Imagine a greenhouse trough filled with healthy houseplants sprouting through a styrofoam cover. But lift the cover and the plants come off right along with it, and you see that they aren't rooted in soil but in thin air.

The empty tub is part of a new Israeli scheme called aeroponics, an agricultural system that dispenses with conventional soil or water methods. Instead, plants sprout and grow in sealed troughs where their exposed roots receive nutrient-enriched mist from a computer-controlled spray system.

Israeli scientists hope aeroponics will one day solve the problem of a shortage in usable agricultural land. Tiers of aeroponic troughs will grow vegetables on even the rockiest terrain, and there's no need for plowing or fertilizing with gas-guzzling tractors.

Israel's Agricultural Ministry has just awarded Adi Ltd., the Israeli company which developed aeroponics, a \$200,000 grant to build a quarter-acre of the modular tubs to test the system's large-scale commercial feasibility.

Aeroponics uses less water, less fertilizer and less energy, and experimental yields are up to 200 percent higher than soil farming, says Adi's director, Amiram Keshet.

"Until people see it with their eyes it's hard for them to believe it," he said.

A simple computer console and sensors monitor humidity and temperature in each trough, carefully regulating those conditions which in other

farming methods cannot be as closely checked.

Because the plants don't have to fight their way through natural resistance to soil and soil diseases, they're stronger and healthier, and the aeroponic system permits "farming" all year long.

"Because the roots are exposed you can see immediately when a plant is diseased and take it out," Keshet said. "So there's no chance for the sickness to spread to the other plants."

In an average trough, a minimum of 1,000 plants grow in approximately 9 square feet, four times the density of traditional soil farming.

According to calculations based on multiplications of experimental yields, a quarter-acre of aeroponically grown tomato plants will produce over 100 tons of tomatoes, while the best hothouses in Israel produce only 20-30 tons.

In Adi's experimental greenhouse, house plants have rooted in 14 days instead of the usual month, and citrus and avocado trees cuttings have sprouted in 10-15 days instead of several months.

Keshet, a nuclear engineer who founded Adi five years ago to develop the aeroponics idea, has so far sold 15 systems to farmers in Israel and three for display in the United States.

The Israelis are using them to grow house plants for export to Europe. The unpotted plants are wrapped in wet newspaper and stacked in cardboard boxes for shipping without the weight of soil.

Winged Bean Plant 'A Meal In Itself'

YANKTON, S.D. — Most of the cultivated vegetables have been grown since antiquity, their origins lost in the mists of history. Now, a newcomer on the scene, the winged bean, *Psophocarpus tetragonolobus*, is exciting many scientists in tropical areas of the world.

What makes the winged bean so exciting? Practically all parts of the plant may be eaten, including the tender, young green pods, the mature seeds, the underground tuber, and even the leaves and flowers. It yields extremely well, requires little care, and while its significance to Americans at this early experimental stage is primarily as a novelty, it offers hope for the world's hungry in underdeveloped tropical nations.

According to experts, the winged bean is the most economical natural food ever discovered, a veritable "supermarket on a stalk." Immature pods picked about 10 weeks after planting taste like green beans; Vitamin A-rich leaves and shoots taste like spinach; stems and tendrils like asparagus; and flowers like mushrooms. Mature beans resemble soy beans, high in protein content (34 percent) and rich in Vitamins E and A. Roasted like peanuts, the ripe seeds make a tasty, wholesome snack. The amazing roots of the winged bean produce many potato-sized tubers with firm white flesh and a delicate nutty flavor when boiled, baked, fried or roasted. No known root has a higher protein content (20 percent).

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Allis Chalmers 7040, P.D., Cab, H&A	\$24,000
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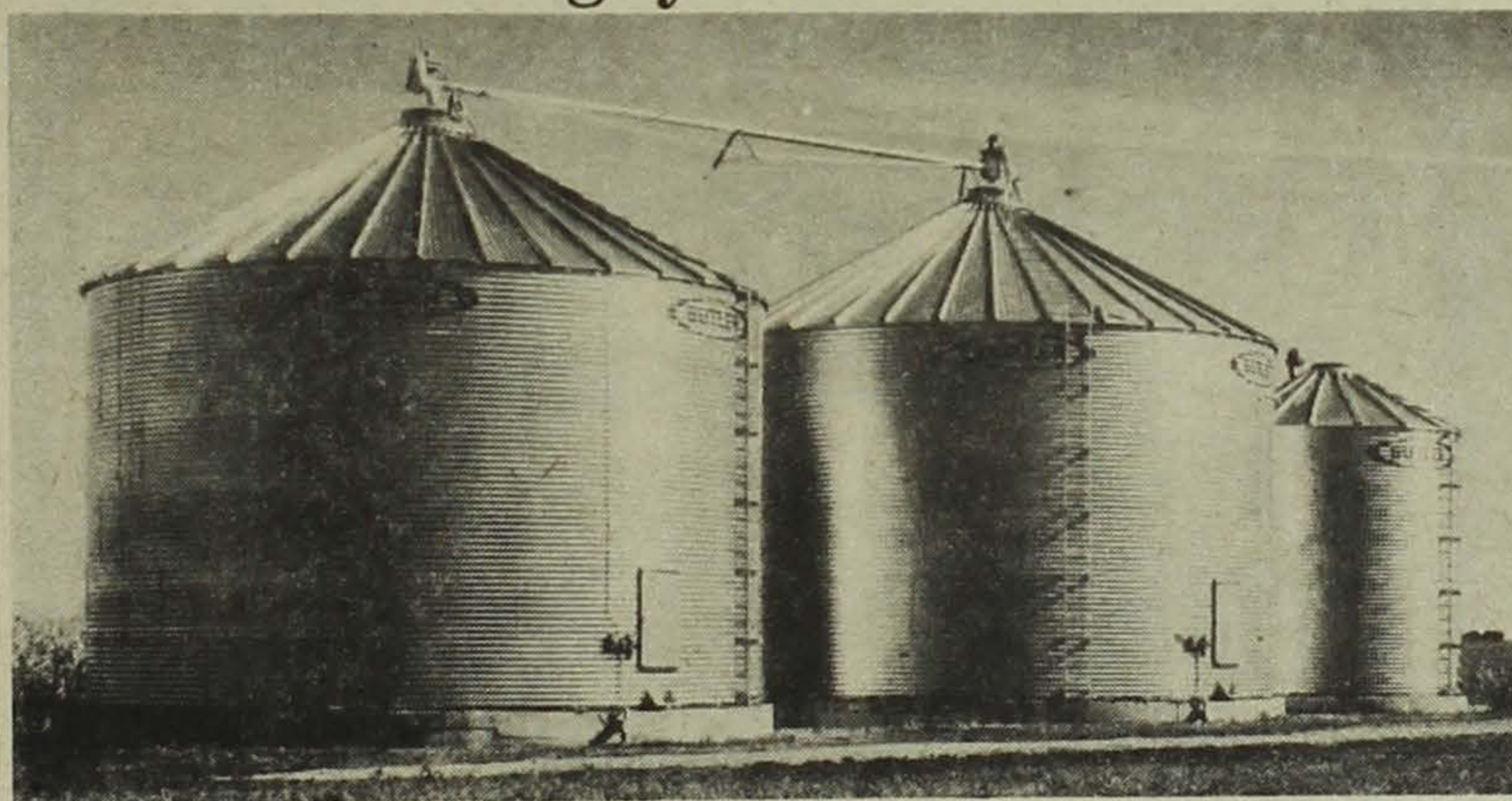
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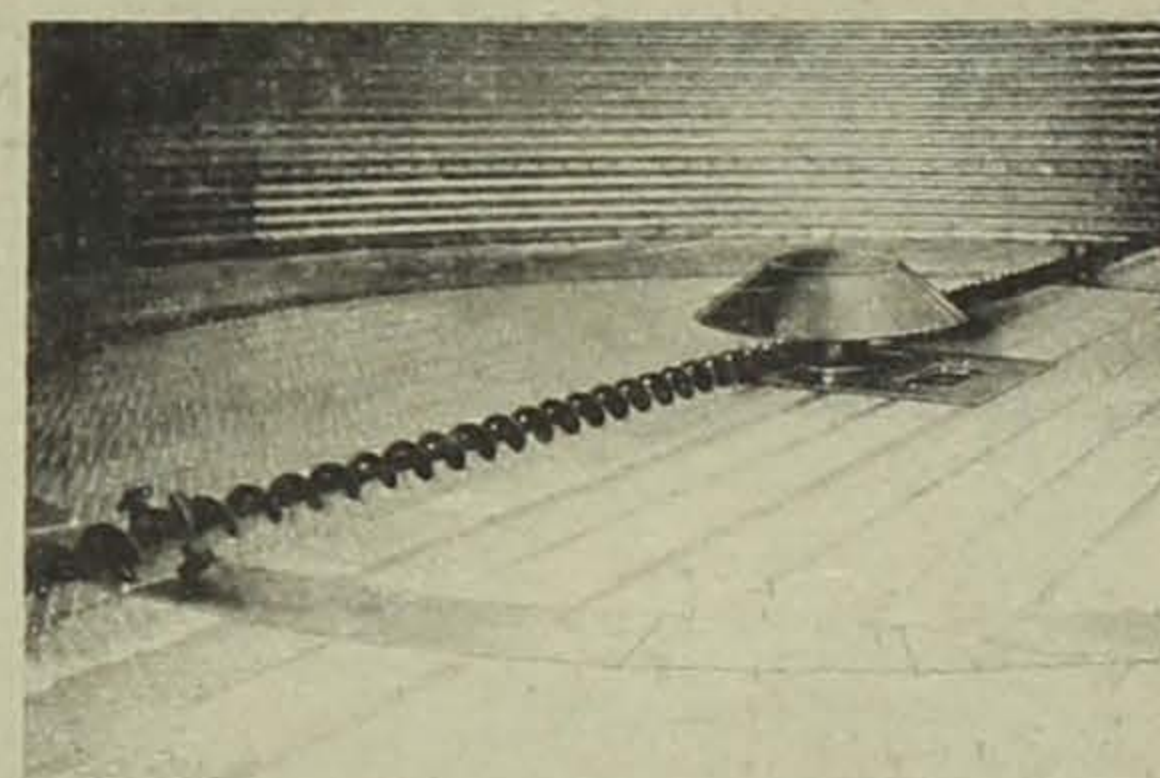
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Rescuer Recalls Chicago Ship Disaster

MESA, Ariz. (AP) — John Frankenbach of Mesa remembers the misty 1915 Saturday morning in Chicago that caused him nightmares for years afterward.

He was 17 years old then. He was riding on a streetcar crossing the Chicago River's Clark Street Bridge when he saw the grisly sight that was burned into his mind.

That day — July 24, 1915 —

he saw 1,800 persons drown in one of the worst ship disasters in U.S. history.

According to news clippings of the event 65 years ago, 2,400 Western Electric employees were boarding the excursion ship Eastland for an annual outing on Lake Michigan.

The Eastland was a converted freighter. It was docked at a pier at 7:20 a.m., preparing for the leisurely cruise when the passengers swarmed to the dockside rail to wave to onlookers. The sudden weight of all the people on one side caused the ship to start listing, dumping passengers in the river as it eased over on its side.

Six minutes later, Chicago

was in mourning.

"As we got on the bridge, I saw this boat over in the water and people were scrambling to get off," said Frankenbach, now 82. "I jumped off the streetcar and ran to the bridge railing where the piers were. I jumped over the railing on the pier and then in the water."

After the 30-foot dive in the deep and narrow Chicago River Frankenbach found himself in a sea of bodies. Passengers thrown into the water were clutching at him, at each other, at already dead victims and at wooden fruit crates tossed to them by Clark Street produce merchants.

"All the people were screaming and trying to get out of the water," Frankenbach said. "I was grabbing at life preservers and boxes and shoving them under the people until they grabbed them. When they had a hold of it, I grabbed another life preserver and shoved it under another person."

"I don't know how many people I helped rescue — dozens I'm sure because I was in the water for hours, until the police ordered me to get out," Frankenbach said.

"I really didn't feel like I was getting tired," Frankenbach said. "A couple of times I'd help people to the pier and then I'd still be in the water but I'd rest my elbow on the pier for a few minutes; then I'd go back out and help the people."

Frankenbach said it wasn't until that afternoon while he was driving ambulances to nearby Iroquois Hospital from the death scene that it hit him: his sister's husband could be among the passengers.

"That's probably why I did all that work," he said. "That was their outing and I thought they were on the ship. But I didn't find out until a day or two later that they didn't go."

"I didn't think about anything but getting the people out, I was just a kid, young. Then after I got out of the water, it

Tip of the Hat to 4-H CLUB MEMBERS

Tip of the Hat goes to this month's Junior Leader Brad Knop, son of Mr. and Mrs. Darrell Knop of Atlantic. Brad, 16, has been a member of the Grove H.O.T. 4-H Club for seven years.

Beef calves have been Brad's main 4-H project every year. He has given an educational presentation on parliamentary procedure and has been president and vice president of his 4-H club. He has participated in all the club's activities, such as planting trees, fund-raising projects, cleaning a cemetery and others.

Brad has been a junior rate-of-gain superintendent at the Cass County Fair for two years. He also participates in the Cass County Teen Club and was in charge of awards presentation at the 4-H leaders' banquet.

The highlight of his 4-H career was being elected to the 1981 Youth Council and being appointed to serve as its co-president.

Brad likes being a junior leader because he enjoys working with younger 4-H'ers as well as people his own age. He's already made several friends as a result, and hopes to make

many more. "I think 4-H is a wonderful organization which includes kids all over the nation. 4-H is a club that gives you responsibility which you must carry through to the end. I like not only working with kids my own age but with people of all ages. I believe this reflects in school and also in later years of your life," states Brad.

"Only to my sister and I asked her not to tell Ma and Pa. We were brought up in a strict German family and I was afraid I would get punished for jumping in the water."

"I think my dad knew something about it later, but he never talked about it," Frankenbach said. "He always said, 'I like you to swim but be careful all the time, all the time.'"



Brad Knop



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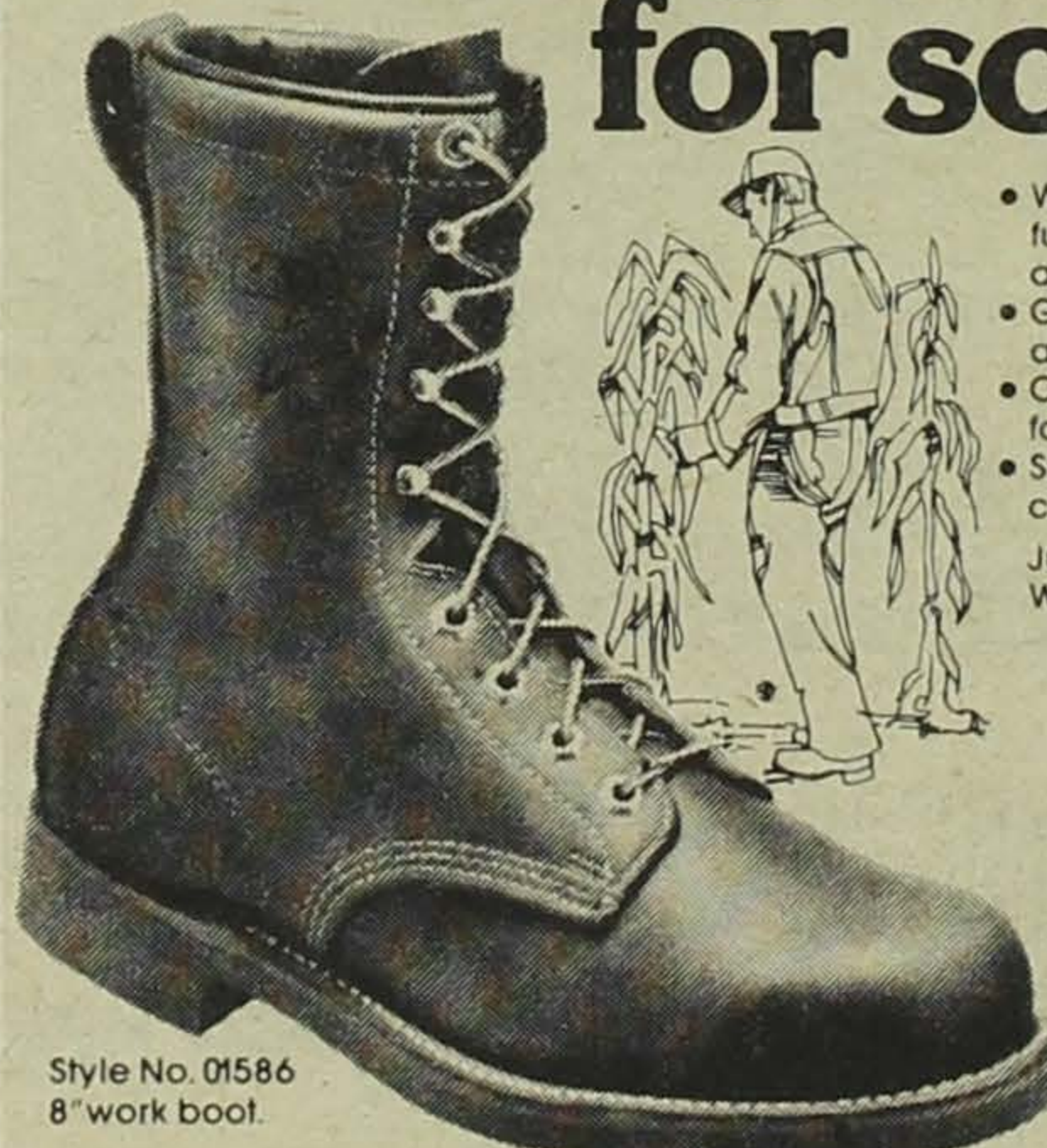
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Walnut Grove General Manager Wayne A. Rodgers presented a \$200 check to Mrs. G. M. Baier, Chairman of next year's Iowa Pork Queen Committee. The money was used this past week for special gifts which were the responsibility of Mrs. Baier, wife of a Cass County pork producer.

We Support Iowa Pork Producers and the Pork Queen Contest!

Two Atlantic girls were among 13 candidates competing in the 1981 Iowa Pork Queen contest this past week. They were Carol Olsen, daughter of Wayne and Phyllis Olsen; and Dawn Nelson, daughter of Gail and Delores Nelson. Carol was chosen by the Hampshire Association as their candidate and Dawn represented District XI of the State Pork Producers Association.

Both girls received high honors in the State Contest; Dawn was named Miss Congeniality and Carol was Second Runner-up to the Queen.

Mrs. G. M. Baier, who with her husband is a Cass County Producer, served as a member of the Iowa Pork Queen Committee and next year will serve as Chairman of that committee. Among her duties this year was the presentation of special gifts for Miss Congeniality and for First and Second Runners-Up.

Walnut Grove was pleased to support the producers and their Iowa Pork Congress, as well as the queen candidates and committees.

More than 300 girls competed for Pork Queen titles on the county level. The district contests succeeded the county events, and only 13 of the 300 eventually competed in the State Contest. The winner proceeds to the national contest in Kansas City in March.

We salute the Iowa Pork Producers, the Porkettes organization, and all candidates who made the queen contest successful.

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