

1983

Forty-first Annual Report

CASS COUNTY SOIL CONSERVATION DISTRICT

Atlantic, Iowa

1983

1983 Annual Report

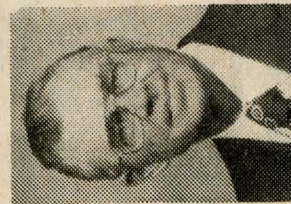
- 1 Office
- 2 James Gulliford (Department of Soil Conservation)
- 8 Steve Stover (Soil Conservation Service)
- 1 Senator C. W. Hutchins, 902 Prairie, Guthrie Center, IA 50115
- 1 Senator Charles Grassley, United States Senate, 232 Russell Building
Washington, D. C. 20510
- 1 ~~Senator Roger Jepsen~~, United States Senate, 110 Russell Building,
Washington, D. C. 20510
- 1 Representative Tom Harkin, 2411 Rayburn Office Building, Washington, D.C.
20515
- 1 Regional director: Norman Kading, Casey, IA 50048
- 1 Davis Conservation Library, P.O. Box 776, League City, Texas 77573
- 11 SCDs in the following counties: Monona, Crawford, Carroll, Greene,
Harrison, Shelby, Audubon, Guthrie, Pottawattamie(2), Adair

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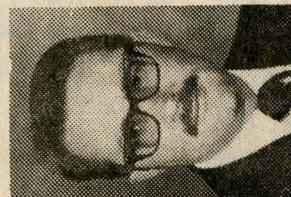
YOUR MEN FROM WALNUT GROVE:



Charles
Koppertolte
Atlantic



Calvin Hoegh
Treyner



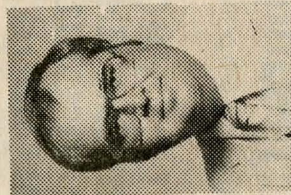
Richard Lehman
Dexter



Darwin Larson
Red Oak



Charles Kinen
Atlantic



Bruce Bruk
Irwin



Jeff Weppeler
Lewis



Chuck Sievers
Atlantic



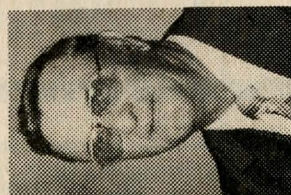
Arling LaMaster
Griswold



Dallas Purdy
Greenfield



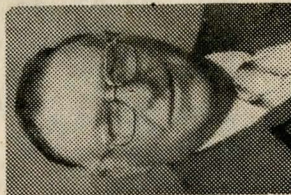
Bill Bonar
Council Bluffs



Wayne Huffman
Audubon



Gene Schroeder
Treyner



Marvin
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ATLANTIC NEWS-TELEGRAPH

1983 Annual Report

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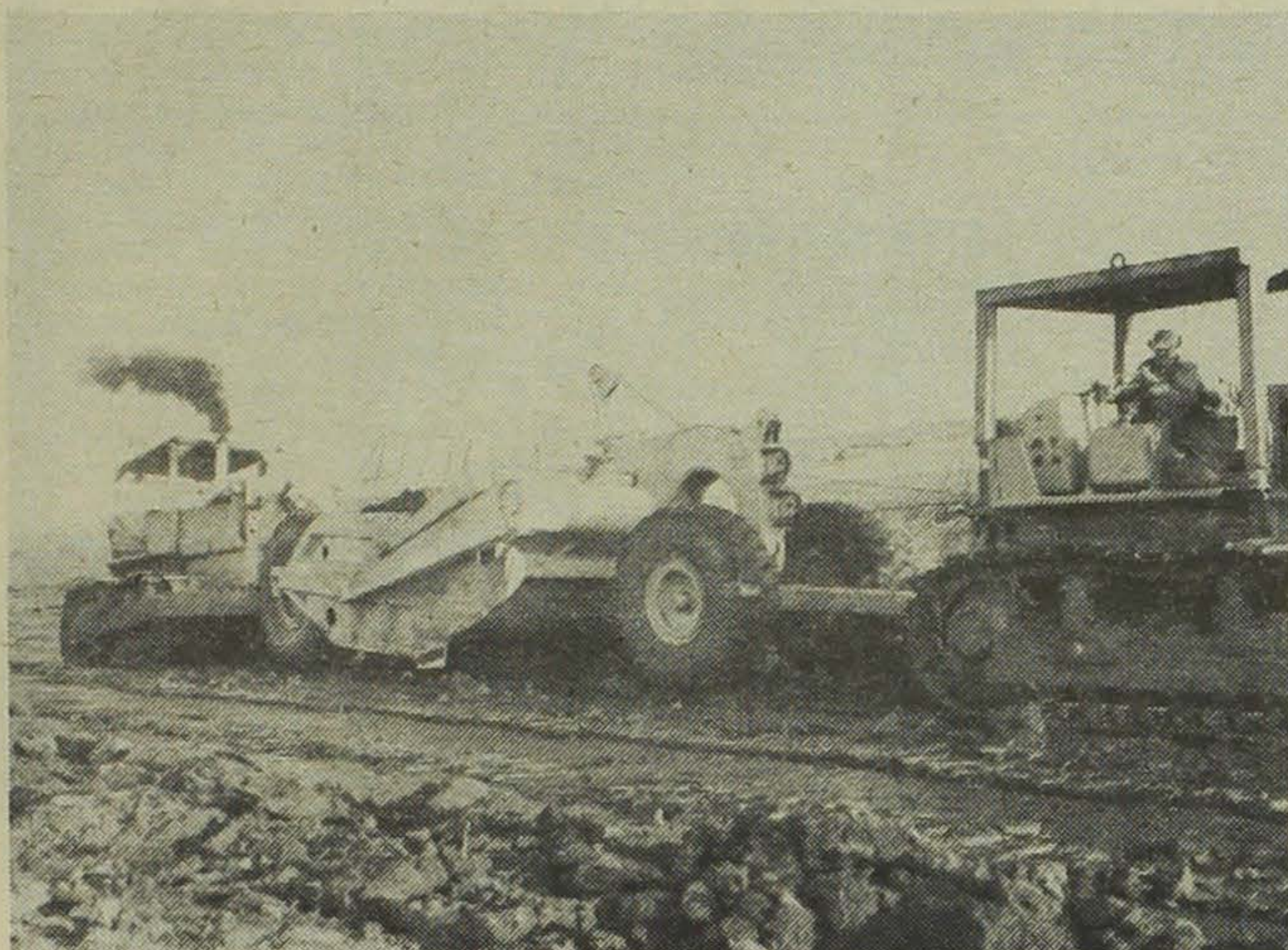
ATLANTIC NEWS-TELEGRAPH FARM MONTHLY

VOL. 24 — NO. 11

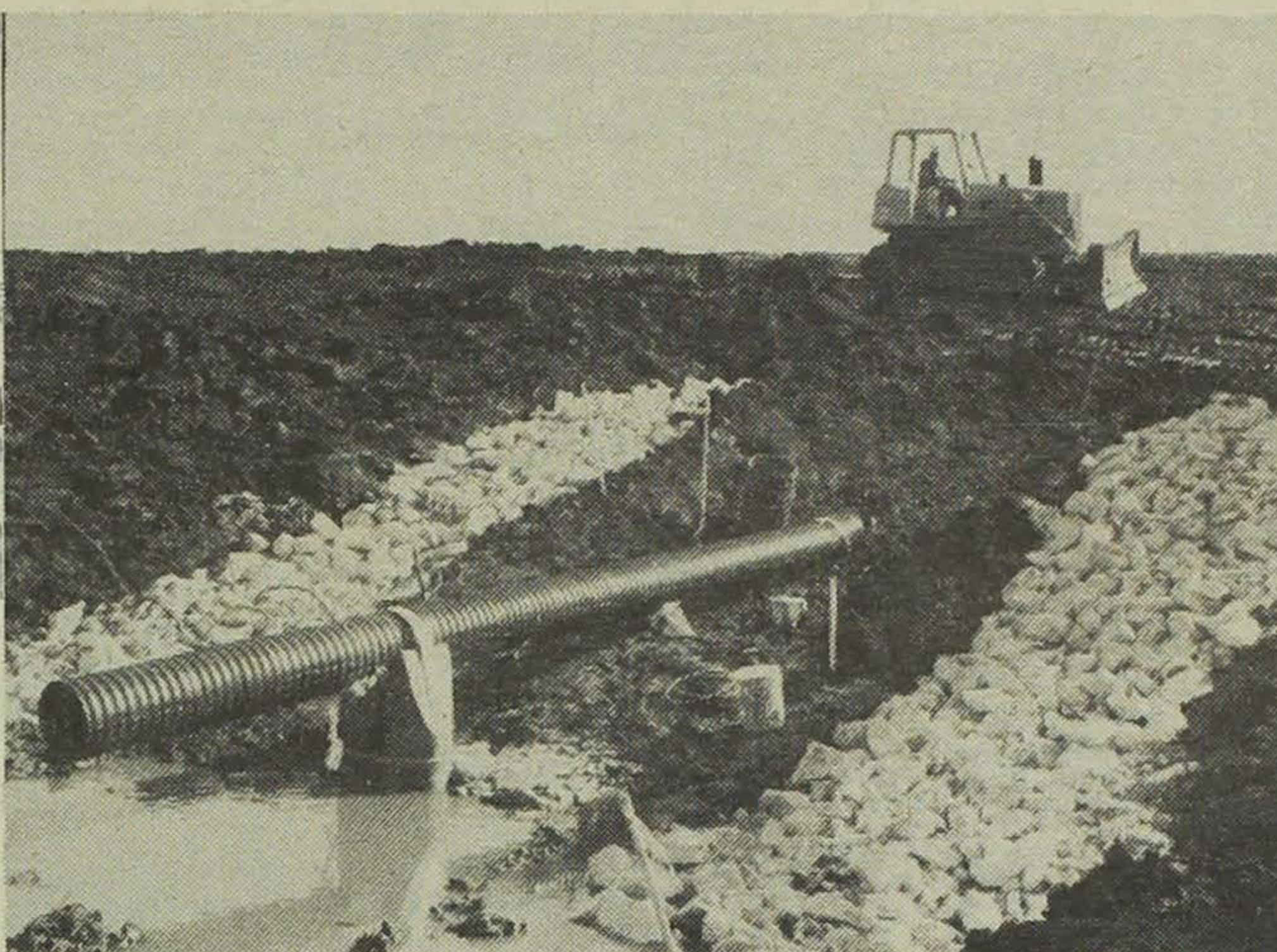
ATLANTIC, IOWA

JANUARY 28, 1984, ISSUE

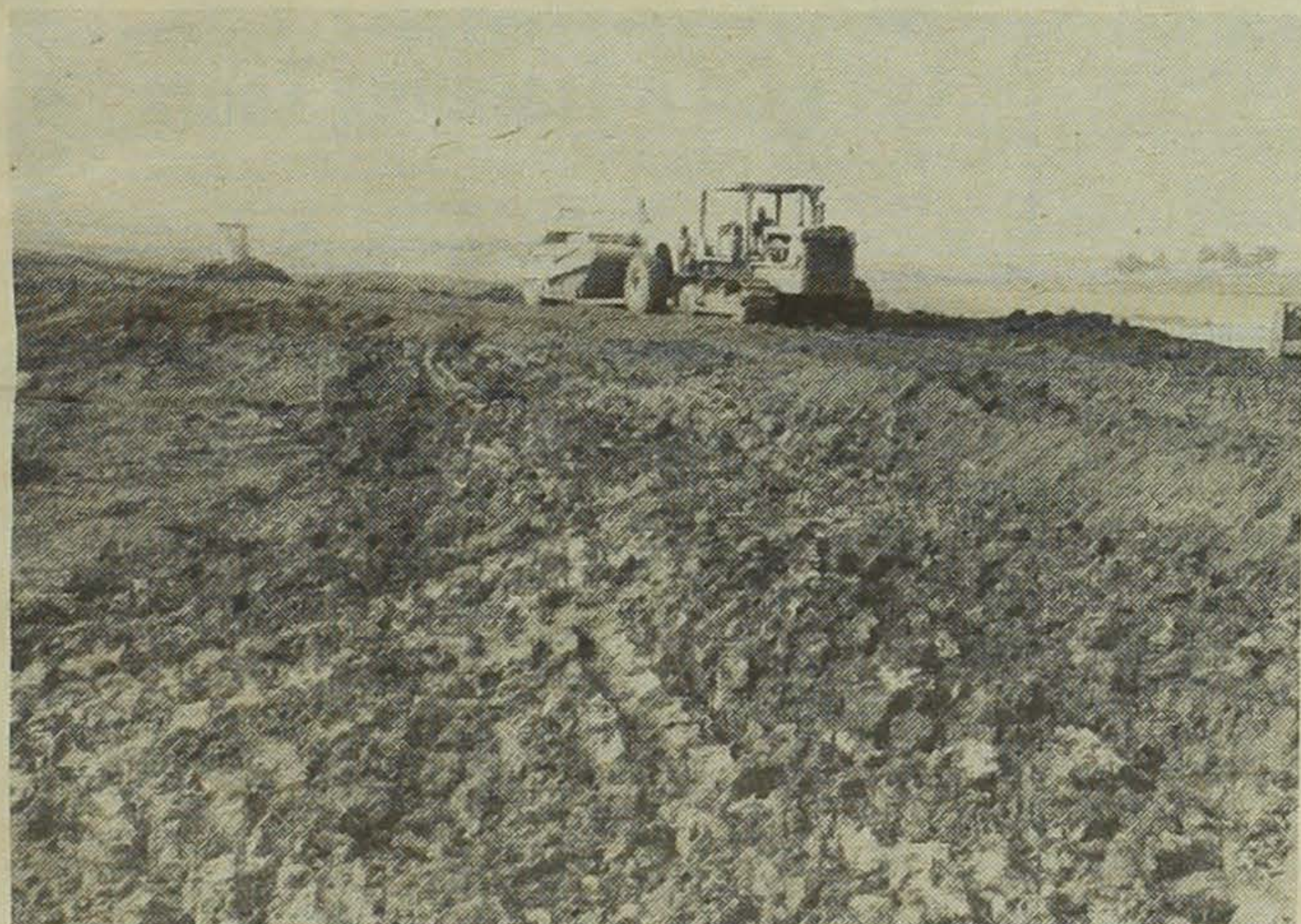
Watershed Projects Combat Flooding Threat



Two bulldozers and a scaper move dirt into the dam being built on the Gene Ehrman farm near Atlantic. Four earthen dams were built and 125,000 cubic yards of dirt were moved by the machines.



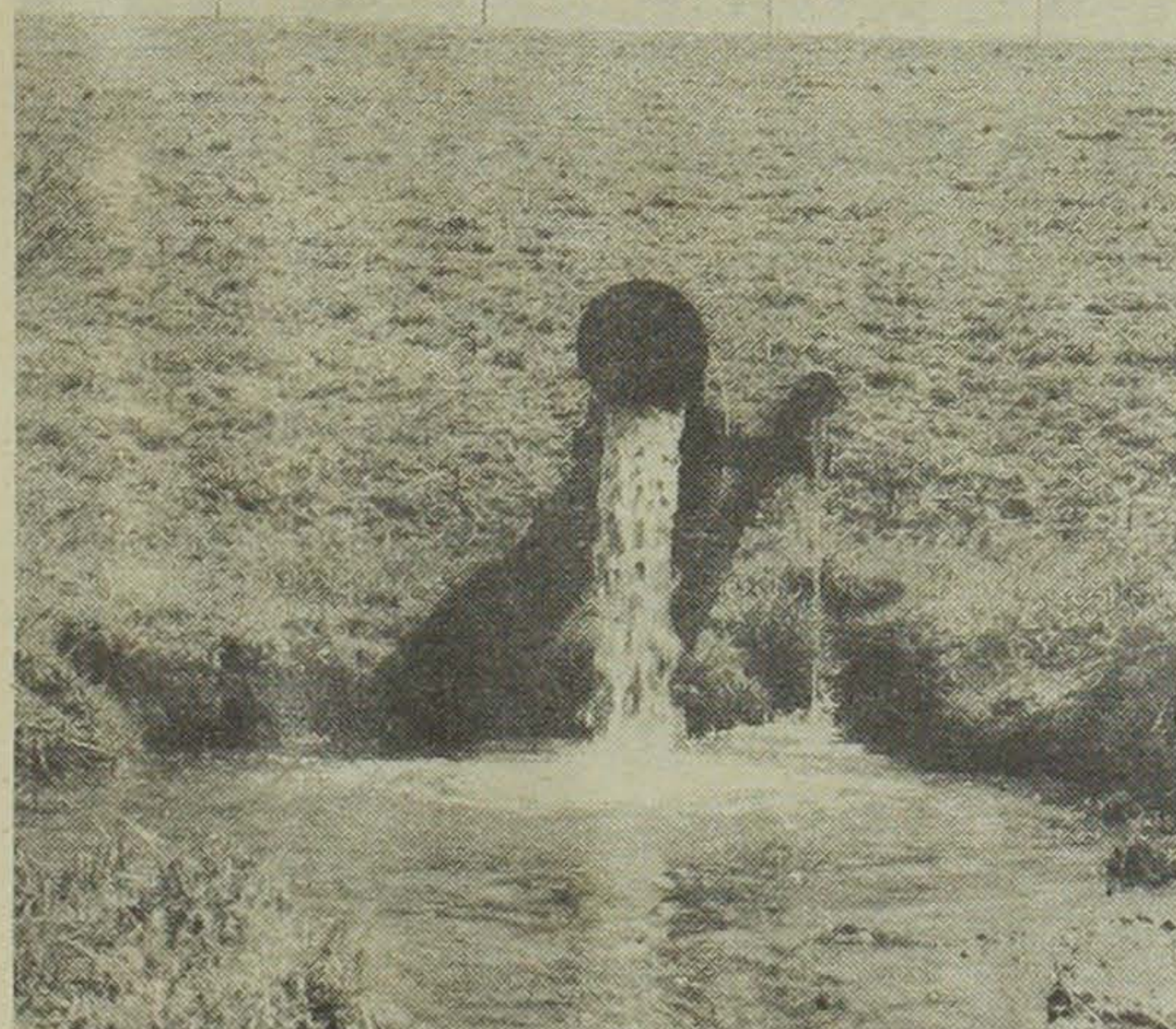
The spillway pipe and rock foundation drains are essential to the proper function of this structure on the Raymond Becker farm near Atlantic. This structure was built to check gully formation.



A structure built on the Niles Blake farm in Bear Grove Township involved moving and compacting 20,000 cubic yards of dirt. It was one of the seven structures designed in the Turkey Creek Watershed to control gullies.



A variety of heavy earth moving equipment is needed to build soil conservation structures. Saxton Inc. of Lenox was given a contract to build seven structures in the Turkey Creek Watershed for \$326,773. Some of the equipment is displayed at this work site.



This watershed structure is doing its job. The structure is equipped with a large overflow pipe to discharge runoff over 24 hours or more. This feature of watershed structures helps to reduce flooding downstream on the bottomland. Turkey Creek and Troublesome Creek Watershed projects will produce 152 structures like this.

For several years a land reshaping program has been carried out on several Cass County farms in an effort to reduce soil erosion which some claim is the nation's No. 1 priority.

The projects are in the Turkey Creek and Troublesome Creek watersheds and a variety of machines have been called into use for the building of more than 130 structures. About half of the sites needing structures have been visited by the machines.

The machines have built terraces and dams as a way to control gullies and significantly reduce serious flooding problems that have plagued farmers along the streams in the past.

"Whatever you combine over 80,000 acres of land with a heavy rain you're likely to have a flood. That is the exact situation in both Turkey Creek and Troublesome Creek watersheds," says Bill Willis of the Cass County Soil Conservation district.

Looking back to 1958, flooding was a particularly serious problem with bottomland flooding and damage to homes, roads and railroads.

"Whenever you slow down the runoff from 80,000 acres and temporarily store the water behind an assortment of small dams, the flooding problem is greatly reduced."

He said this is exactly the goal of the small watershed projects under way in Turkey Creek and Troublesome Creek watersheds.

The Turkey Creek project officially started in 1965 with the goal of constructing 113 structures. Troublesome Creek Watersheds started in 1972 with 139 proposed structures. Both projects will not only reduce flood damage, but will also control considerable serious gully damage.

Willis reports the Turkey Creek project is 45 percent completed, with 51 structures built or under construction. This means that the real benefits

CONSERVATION

A number of stories in this issue of The Farm Monthly are devoted to work being carried out in Cass County for soil conservation. Efforts in the last few years have been stepped up to prevent further erosion of the rich soil found in the county through building water retaining structures or new ways to plant crops.

from watershed projects on these two streams is only being partially felt and is less than what can be expected when all the projects are installed.

Turkey Creek and Troublesome Creek watersheds involve several counties in their drainage areas. Cass, Audubon, Adair, and Guthrie counties are all working together to complete these projects.

Watershed projects are a unique combination on the part of landowners, county government, and the federal government.

(Continued on Page Two)

Poets Corner**A MYSTERY**

Six days a week — the strangest thing!
The mystery grew and grew.
We thought it never would be solved,
And then, one day, we knew!

Around the corner and down the hill,
Came this speedy little red car.
Past our house, and on it went,
But it couldn't have gone too far.

Before you could count to ten,
There it was, back again.
About the same time each day,
It came in sun or snow or rain.

One day I saw this mystery car
Turn in a neighbor's drive.
They dropped a bundle of papers
To be delivered near the hour of five.

It hurried past our house again.
We really had to laugh
It headed east to leave more papers,
The Atlantic News-Telegraph!

— Helen Stroeber,
Adair

RESOLUTIONS

New Year's resolutions are really hard to keep.
If we had to buy them — they'd better come cheap.
Some of us are thin and some of us are fat.
Let's face it — we probably can't change that.
Some of us are poor and some of us are rich.
If only we could figure out how — we'd sure like to switch.
On and on our list may go, but any change comes mighty slow.
Maybe we should learn to be more content and more care-free.

— Marjorie Ann Walker,
Brayton

UNDERSTANDING

I really do not understand
Why I must always be alone.
To face almost every sorrow
That anyone has ever known.
I've had to cope with illness; de-gradation; and despair.
I've cried aloud so often;
Doesn't anybody care?
My children feel I've failed them;
My husband broke his vow!
I'm destined to go on alone!
But please, God
Tell me how?

Dorothy Mattox,
Avoca

MORNING MAGIC

The morning star with joyful song in darkened sky
Waves shyly to the waning moon whose silver beams
Reveal a winter scene that takes your breath away;
Sleep softly falls from wondering eyes and scatters dreams.

Dawn clings to cirrus clouds,
prelude to rosy morn,
A glistening horizon reflects a tinted silver.
Ice crystals trim each barren branch of bush and tree
With sparkles brighter than a million jeweler's gems.

Draped diamond bracelets circle heaps of drifted snow,
The iridescent rainbow hills vie with dawn's bright hues,
Then caressed by risen sun and warming winds
These miracles of winter magic melt away.

Nora Newman,
Atlantic

FLOWERS AT NOON

I'll never forget the flowers he brings me
The flowers he brings me at noon
With his heart in his hands
At my door he stands
And offers his token of love.

I know he stopped on his way from the field
And picked the wildflowers for me
He doesn't have money, he doesn't own land
But he brings me flowers at noon.

(To my husband,
Omer Scheffler)

Ruth Scheffler,
Harlan

JUST A LITTLE!

A little waste, a little sleep,
A failure to the vigil keep,
A little word, a little wine,
Life sifts away through cracks in time!

A little sin not blotted out,
Some little shadows adding doubt,
Just a little here, a little there,
And a careless heart you don't prepare,

A furtive glance, two looks that meet,
A little slip that you repeat,
A taste of lust, some stolen bliss,
And a heart untrue has gone amiss!

The gradual slip from Godly Grace,
The smooth decent from place to place,
Then one day you'll look back to see
Your time's run out in Eternity!

Backslidden soul, you throw away
The chance Your Savior to repay;
Your flesh in dirty rags lies waste;
You glance from mirror in distaste!

Your life has moved in steady drift;
You're far from shore, the current swift;
Your lamp is dim; your oars are slack;
Flame flickering low, the wick, thick black.

One day He's there still warning thee,
And then He's gone and you can't see!
You never meant to fall away;
'Twas just a little, day by day!

— A. Watcher

DIARY

As I write the events of each day
Fresh in my memory now
So that later perhaps I can say
Yes I know that is right some-how.

Looking back is easy if only to prove
You are not getting older at all,
Only if you give way to acting old
Then into a rut you will fall.

My new diary is just a note-book
Then I can record a few lines or more,
Later I go back and read what I wrote
And laugh as I ask myself — what for?

Agnes Cleeland,
Atlantic

ANNIE'S DAY

Valentine's Day isn't far away —
The day for love to show,
Cause hearts get loved by strangers then
And strangers become no more!

Love isn't hard to find —
But you must look to see,
Look at a child and "her"
Annie —
That love will always be!

She's dragged around for hours
Complain you will never here,
The way Annie is handled at times
Must mean, Annie is Dear!

She's ready for the trash —
But mom can't throw her out,
This love between her child and Annie
Means Annie stays on top!

Valentine's Day is for lovers —
So this could be Annie's Day,
She's a perfect lover for any heart.
Cause love is Annie's way!

Janet L. Hildreth,
Atlantic

GOD DOES NOT TAKE A HOLIDAY

God does not take a holiday
If you need Him, He will be there!
It is not hard to reach Him
You can contact Him by prayer!

— Eileen Harris,
Atlantic

CHRISTMAS IS OVER

Christmas is over — oh what a blow.
Now we are left with the cold and the snow.
It was an unusual one to say the least — with the fury of winter worse than a beast.
It's always such fun to put up the tree — but taking it down is no fun to me.
The passing of time has made its mark, and now we go on with the new to embark.

— Marjorie Ann Walker,
Brayton

WITH GOD

Take time to feed the hungry birds
Help someone along the way
Think only good of others
Then you have walked with God today.

— Eileen Harris,
Atlantic

WATERSHED PROJECTS COMBAT FLOODING THREAT

(Continued From Page One)
ment each with an important role.

The landowner donates the land involved by use of an easement. The county government, including the Board of Supervisors and the Soil Conservation District, agree to all upkeep and maintenance.

The United States Department of Agriculture Soil Conservation Service pays for the original construction costs and provides most of the survey and design work.

Seven sites are currently under construction in Turkey Creek Watershed, and eight

sites will be completed in 1984 in Troublesome Creek Watershed. Two additional construction contracts in Troublesome Creek Watershed are planned in 1985 that will result in 13 structures being built.

Watershed construction has a positive effect on the local economy. Even though the contractor may not live in the local community, during construction he will purchase supplies such as fencing materials, diesel fuel, concrete, and some hired labor from within the local area. Some parts of the construction are sub-contracted to local people for items such as fencing, seeding, and material for mulching," Willis said.

Completed watershed structures especially earthen dams that impound water are built on privately owned land and also provide recreation.

Access to the ponds is controlled by the landowners and permission should be obtained before using the ponds for fishing or swimming, Willis said.

Most of the watershed structures are stocked with fish, usually obtained from the Iowa Conservation Commission.

PIANO TUNING

JOHN FANCOLLY

243-1896

RR No. 3
Atlantic

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- * WINTER IN SOUTHWEST: Carlsbad Caverns, Tucson, Lawrence Welk Village, Las Vegas. 15 days. Feb., March departures. \$1,059.

Call Now and Make Your Reservations Early!

Ellen Holtz

419 Poplar

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WINTER HOURS: M-F — 7 to 8 a.m.

1:30 to 3:30 p.m.

5:30 to 7:30 p.m.

Sat. — 7 to 8 a.m.

2 to 3 p.m.

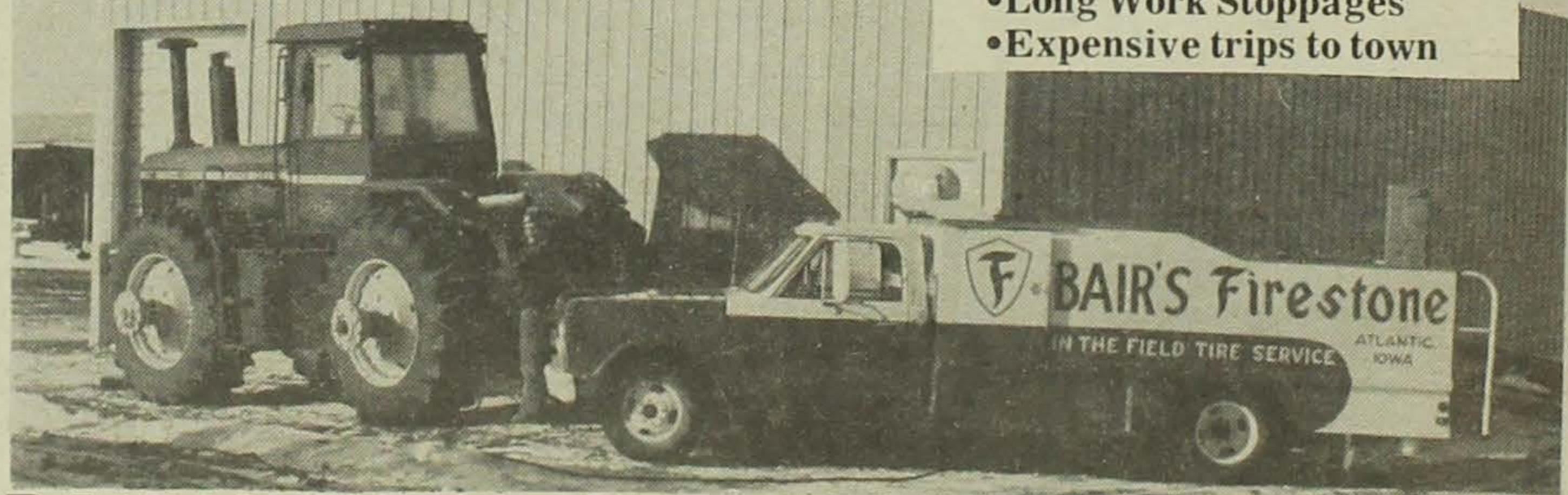
5:30 to 7:30 p.m.

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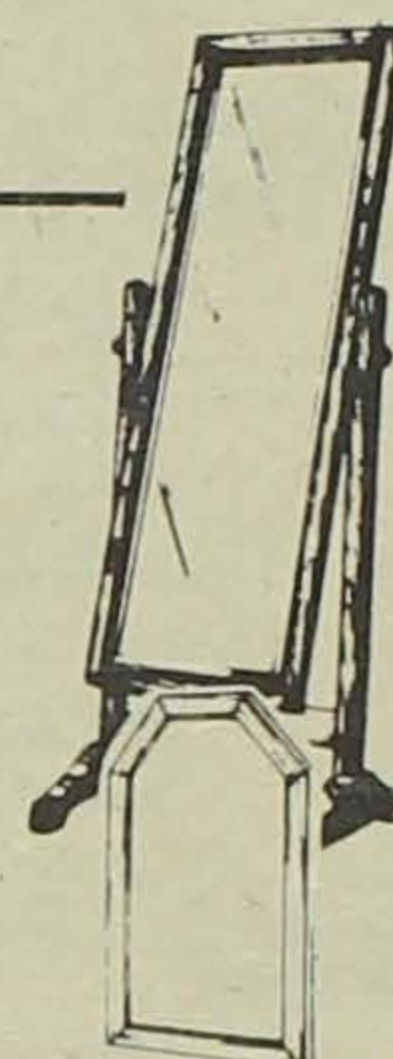
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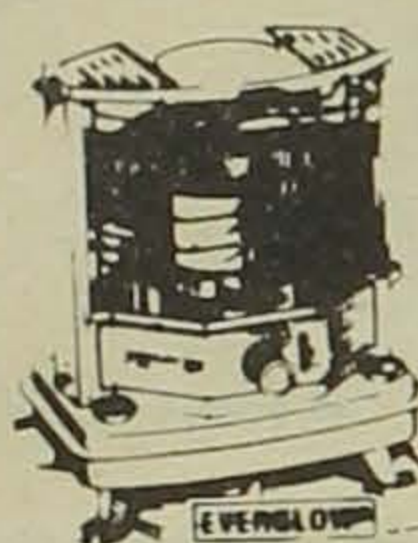
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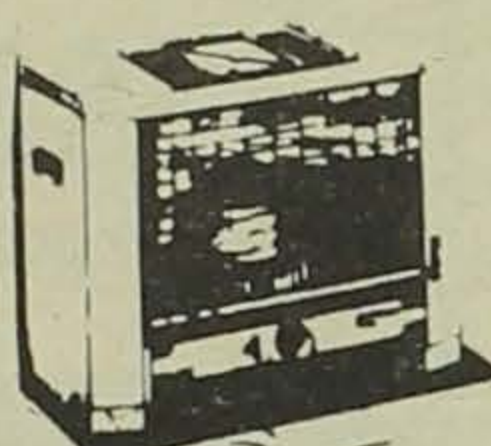
**Kerosene
Heater**

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PE-2. Energy efficient radiant heater. See our complete line of supplemental heating equipment. 7200 BTU. UL approved.

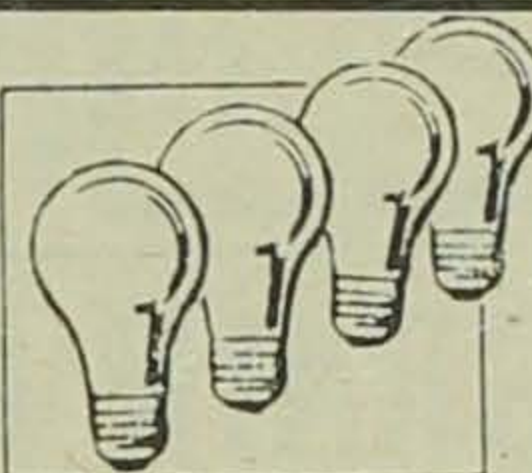
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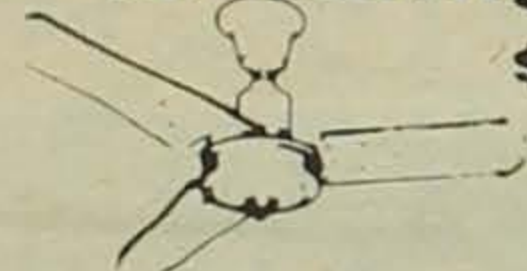
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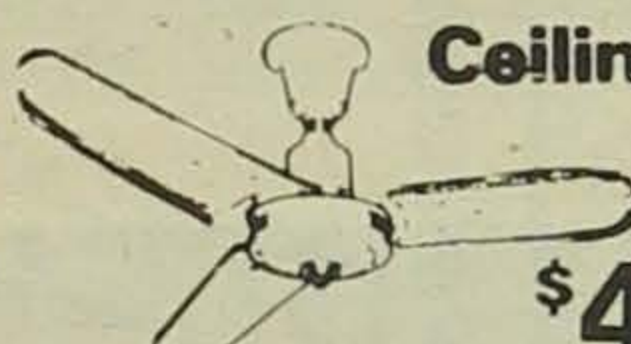


SPECIAL PURCHASE!

36" white fan with matching blades. Mounting hardware, 4 speed wall control switch. UL listed. NO DEALER SALES.

Ceiling Fan

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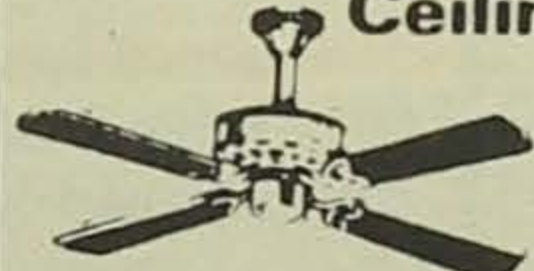
SPECIAL PURCHASE!

48" white fan with matching blades. Mounting hardware, 4 speed wall control switch. UL listed. NO DEALER SALES.

**48" Decorative
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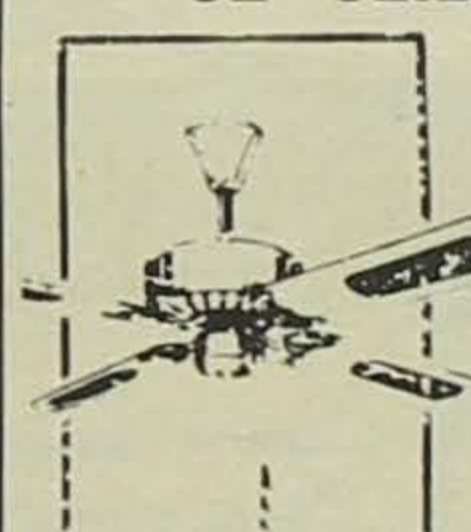


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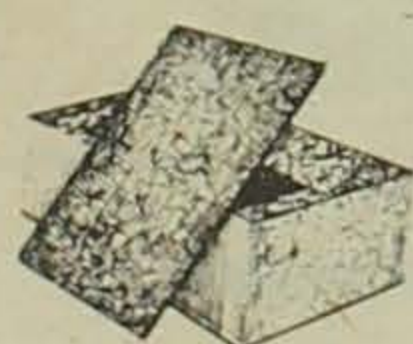


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50 Lb. Bag Mini Cube Water Softener Salt.

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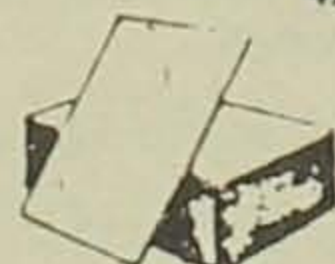
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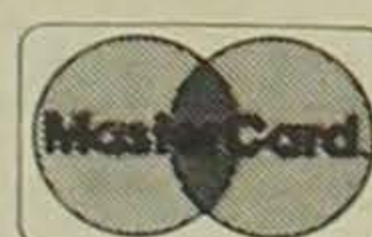
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LANGUAGE NO BARRIER
 NOVATO, Calif. (AP) — An insurance company here makes sure nothing gets lost in translation when non-English speaking guests visit its corporate offices in the San Francisco Bay area.

The firm maintains a list of 84 employees who speak a total of 21 languages, and frequently calls on them for help in both communicating with visitors and translating the foreign language correspondence it receives.

They speak most of the common languages, plus some that are not so familiar, such as Serbo-Croatian of Yugoslavia, and Tamil, Telugu and Urdu of India.

The employee interpreters were utilized during recent visits to the company by Japanese students of the Japan-American Institute of Management Science, and Chinese students of the Insurance School of the Pacific.

No-Till Farming Continues To Grow In Cass

By Bill Fudge
 District Commissioner

Not many years ago no-till was a new way of planting corn and beans, but there were a few in the state that loved their soil, so they decided to try a new method of planting crops where the residue was left on top of the soil after crops were planted.

Crops seemed to yield just as well and the loss of soil was reduced so much that they proceeded to plant that way year after year.



Bill Fudge

The idea has caught on through meetings and watching neighbors. In 1981, when I was still farming, we had a field day of planting no-till on my farm. We planted 15 acres of sod and 15 acres of second year corn. The day the corn was planted about 125 men and women came

to watch this demonstration.

In 1983, 58 farmers planted 10 acres, or more in the county. Others may have used this method, but they never reported the acreage to the SCS Office. I am hoping for a big acreage in 1984.

No-till is certainly a great step forward in conserving soil, but I feel there are other ways of helping conserve the soil, too! Terraces are the best way to preserve the soil, but there are so many methods that can be used.

Grassed strips around the hills and strip farming are good methods. The best way to protect the soil is to terrace and then use no-till.

The SCS Office supplies the technical work needed for soil practices. In the last year, the Cass office was successful in building more than 200,000 feet of terraces.

There are lots of Cass County acres that need protection. How about joining our No-Till Club in 1984?

Spirits are a most important concern to the rain forest aborigines of New Zealand. The Nishiki people wear the rib of a snake through their nose, pointing forward, to keep bad spirits out. They are in daily fear of death by sorcery, but Christianity is helping to take away these fears.

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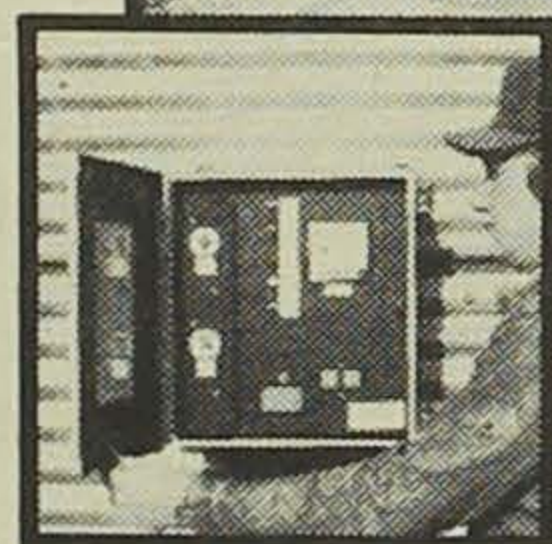
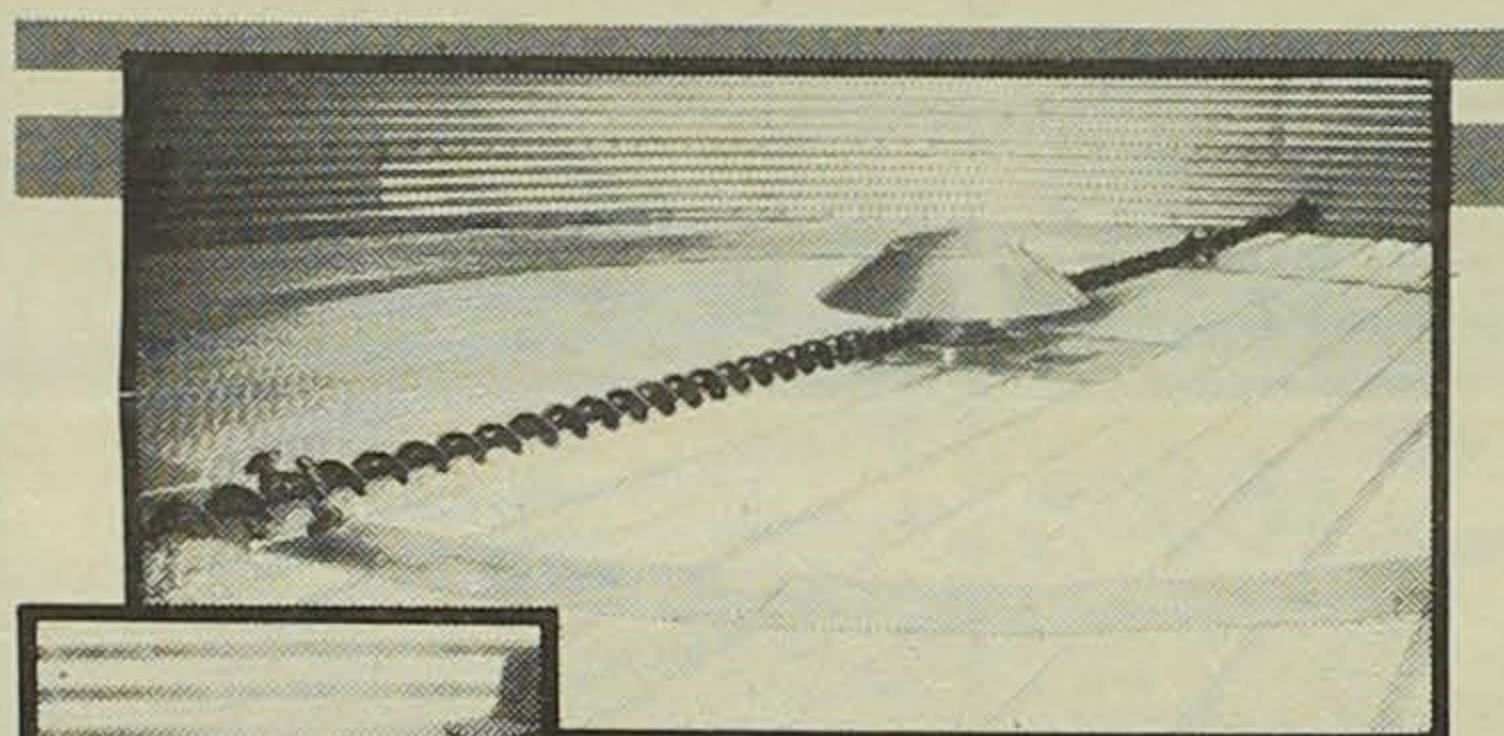
The Movie Center



Denison - Sioux Center - Atlantic
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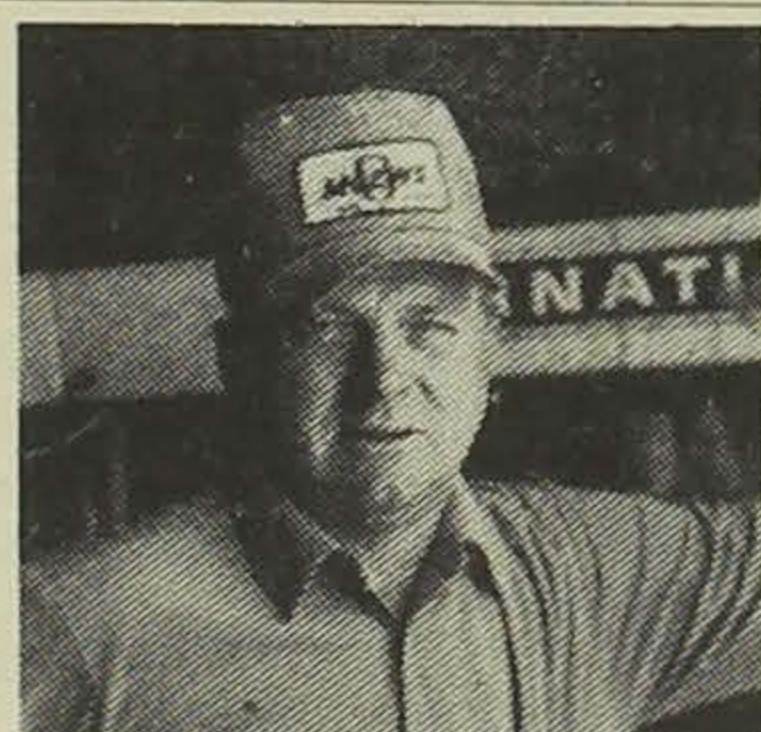
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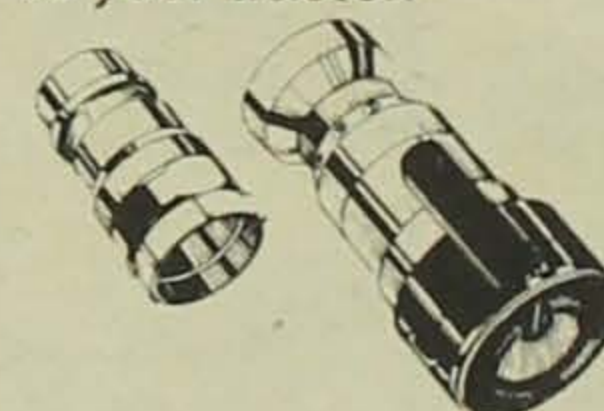
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ATLANTIC

★ FOR SALE

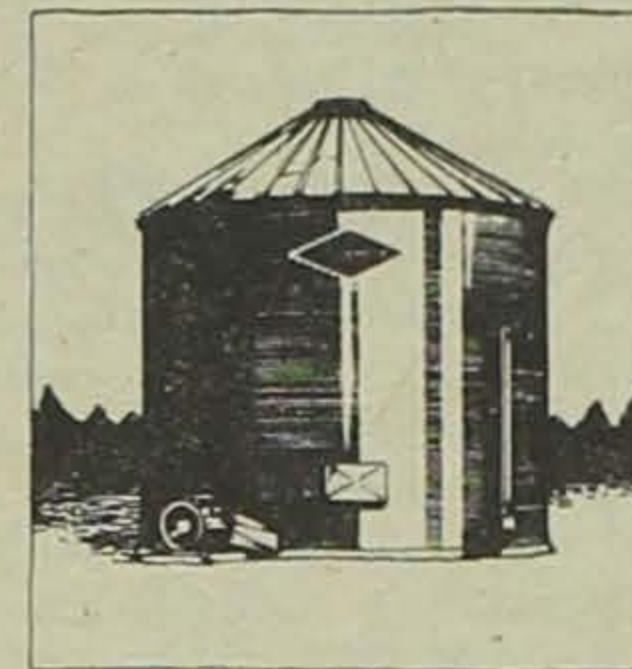
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THIS System can also be used in conjunction with your present checks.

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County Owns 529 Acres For Public Use

By Dennis Sierck
Executive Director
Cass County
Conservation Board

Since its formation 26 years ago, the Cass County Conservation Board has made significant progress in the area of land acquisition for habitat improvement and conservation.

This has become even more important in the past several years as Cass County's woodlands and other natural areas have declined in both quantity and quality.

Today, a major goal of the conservation board is the preserving and protecting of natural areas and wildlife populations through the acquisition and management of appropriate lands.

The board currently manages 11 areas totaling 529 acres, 390 of which comprise wildlife management areas. These public wildlife areas provide the necessary habitat requirements for a variety of wildlife species.

Pellett Refuge

Two of the most recent acquisitions of the conservation board are the 19-acre Pellett Wildlife Refuge and the West Nodaway Wildlife Area, consisting of 120 acres.

The Pellett Wildlife Refuge, located north of Atlantic across the Nishnabotna River from the Schildberg rock quarry, was donated to the board by Haleen and Wendell Pellett in 1981.

This wooded bottomland area has several trails winding through it that make for a leisurely walk. A small picnic area will be developed this spring for public use.

The Pelletts donated this parcel of land for the purposes of preserving the integrity of the area and protecting the plant and animal life. Therefore, activities including hunting, trapping and motorcycling are prohibited.

Largest Wildlife Area

The West Nodaway Wildlife Area, purchased this past year, is the largest public wildlife management area in the county. This 120-acre tract is located five miles south of Cumberland along Cass County road G-61.

The area consists of upland pasture, some crop ground and a dense stand of timber along the West Nodaway River, which flows through the north end of the area. This land will be managed to provide maximum habitat for a variety of wildlife. Public hunting and fishing is permitted on this area.

Future Outlook

The conservation board and staff invite you to visit our county parks and wildlife areas. In the years to come, the conservation board will continue to make every effort to improve our existing parks and wildlife areas, as well as promote conservation of our natural resources by all people.

With our natural areas becoming more scarce each year, the work of the conservation board will become more important in the future and the support and enthusiasm of the county citizenry more necessary.

By working together, we can insure that future generations will have natural, undisturbed areas to enjoy, as well as a diversity of animal and plant life.

Board Members

The members of the Cass County Conservation Board are Arnold Ihnen of Wiota, Clarence Wiechman of Bridgewater, Harold Nelson of Lewis, Everett Reimer of Marne and Steve Caslow of Atlantic.

Staff members include Dennis Sierck, executive officer; Craig Hensley, naturalist; Ed Ritter, park superintendent at Cocklin Fish Farm; and Roy Schwenke, park superintendent at Cold Springs Park.

Needed Clues Of Roots

By EDNA CHRISTENSEN
Cass County
Genealogical Society

Thousands of researchers believe there are no more complete records than those held by the United States Bureau of Archives and Records in Washington, D.C.

The archives had nearly a million cubic feet of records, holding every conceivable type of information, carefully collected and hoarded by the federal government since the founding of our country.

The National Archives is open to all. They are doubly important to the occasional researcher because the federal government has a trained professional staff who will search through the millions of records in order to answer your questions.

These people will give you more information in answer to your mail request than almost any other source.

Civil War material is available and some of the records are:

— Compiled military service record for each soldier, whether volunteer or regular, Union or Confederate.

— Most of the compiled Union and Confederate naval and



Marine Corps service records.

— Union pension records for all state volunteers and regulars, Army, Navy and Marines.

— Court material case file records.

— Medical records.

— Prisoner of war records.

— Draft records.

— Burial records.

The truly staggering amount of military records held by the agency can best be appreciated by sending for two of the archive's books. One is a description of the archive's Union records, "Guide to the Federal Archives Relating to the Civil War." The other is "Guide to the Archives of the Government of the Confederate State of America."

To obtain these books write to the United State Superintendent of Documents, United States Government Printing Office, Washington, D.C., 20402. Ask about the cost.

Next month I will list more Civil War information. If writing to the archives, you may want to ask about the book, "Guide to Genealogical Records in the National Archives." This book is not limited to the Civil War.

CIGAR SMOKERS

NEW YORK (AP) — Cigar users can show consideration for others by observing several simple rules.

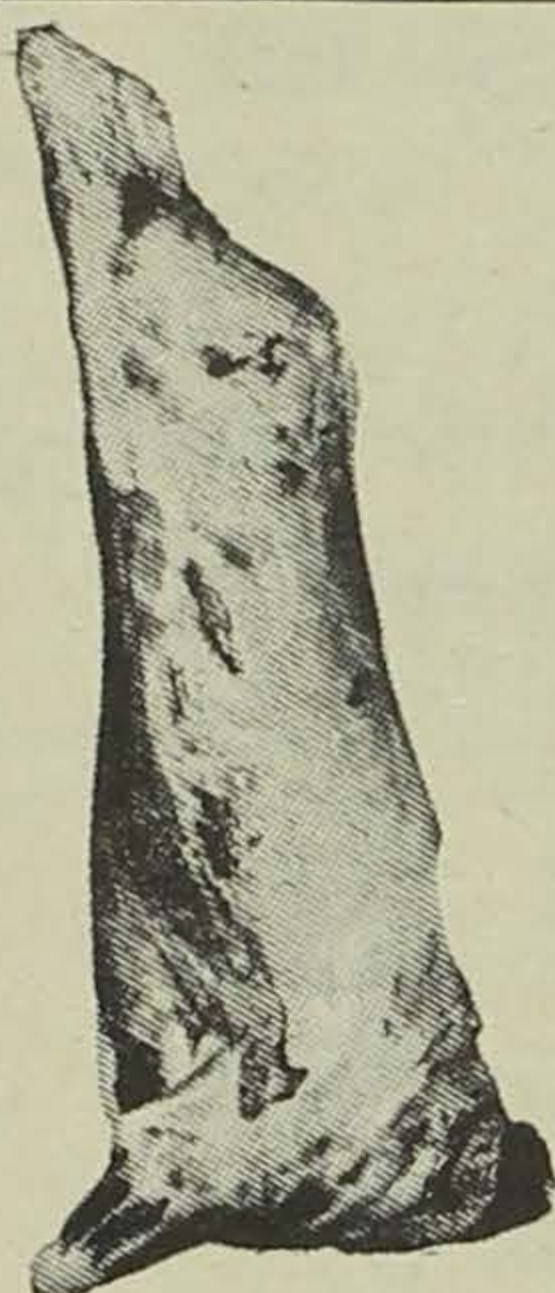
The Cigar Association of America says:

— Do not smoke in a confined space such as an elevator (where it is illegal to smoke) or an anteroom.

— Use a fresh cigar to avoid any stale aroma.

— To make the cigar burn evenly, rotate it slowly when lighting it.

— A half inch or so of ash at the end of the cigar is a signal to flick it into an ash tray.



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SIPC

Planning For Farmstead Windbreak Starts In Winter

Now is the time to start planning a farmstead or feedlot windbreak for next spring, reports R. Elmer Ouderkirk Jr., soil conservationist with the Cass County Soil Conservation Service.

Planting can start just as soon as the frost is out of the ground. Early planting usually results in a better survival rate and the trees can be planted before any amount of field work has to be started.

According to Ouderkirk, a mild winter such as 1982-1983, usually contributes to a sharp decline in windbreaks planted the following spring. This was not the case in 1983.

According to the SCS report for Cass County, 15 landowners planted more than six acres of farmstead windbreaks. This acreage planted was a slight increase from that of 1982. All windbreaks reported were cost-shared with Agricultural Conservation Program (ACP) funds administered by the Agricultural Stabilization and Conservation Service (ASCS).

Eligibility

To be eligible for ACP cost-share assistance a minimum sized windbreak must have no less than three rows of coniferous trees such as spruces, pines, and firs, or one row of shrubs and two rows of such trees for a total of three rows.

"When space is available, we recommend a four or five row windbreak be planted to provide additional protection to livestock and feeding operations, and enhance the use by song birds, pheasants and other wildlife," says Ouderkirk.

To assure that trees selected will be suited to soils of the site and to assure that trees and shrubs are properly spaced, a windbreak planting guide or plan is developed with technical assistance from SCS.

This plan is provided to the ASCS Cass County Committee for considering ACP cost-share applications and allocating funds for windbreak approvals. The use of windbreak plans has been standard procedure for many years.



Mr. and Mrs. Duane McFadden, winners of district award in Izaak Walton League contest.

Protection Zone

It is generally considered that the most effective zone of a good windbreak extends downwind approximately eight times the height of the trees. For example, a good windbreak with trees 35 feet high will reduce wind velocities up to 50 percent for a distance of 280 feet.

Iowa's prevailing winter winds come from the northwest. For that reason, the windbreak should be located along the north and west sides of the farmstead or feedlots.

Windbreaks should be located at least 100 feet from primary areas in need of protection where snow drifting is a problem. Trees planted within the rows will require some adjustment to alternate trees of adjacent rows having the same within the row spacing, according to Ouderkirk.

Cass County landowners who plan to plant feedlot and farmstead windbreaks next spring are encouraged to visit the Cass County Soil Conservation office for technical assistance in planning. Good site preparation, with the removal of old fences or dead trees, must be completed as soon as possible to avoid unnecessary delays in planting.

"Windbreaks are no different

than any other crop or livestock enterprise," says Ouderkirk. "Generally, the more tender loving care — the better the results."

Two very important items to consider are weed control and water supply. Usually in windbreak plantings, timely mowing and/or cultivation can be used to control weeds, but occasionally some landowners will prefer the use of chemicals. Apply one those herbicides recommended for use on windbreaks by the state and follow directions and recommendations by the manufacturer very carefully.

During hot, dry weather a good water supply is a must.

District Winner

One of Cass County's better windbreaks is located on the farm of Mr. and Mrs. Duane C. McFadden. This windbreak was the 1983 district winner of the Izaak Walton League Windbreak Award Contest. The windbreak was planted by the McFaddens in 1967. It is located on the west side of their farmstead in Section 22 of Brighton Township. The planting is a four-row windbreak consisting of honeysuckle, Douglas fir, Austrian pine and Norway spruce.

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Sport coupe, V-6 engine, automatic transmission, power steering and brakes, factory air, one owner, only 23,000 miles.

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Bob Butler, Owner

County Soil Survey Report Valuable Tool

Soil Survey Report Available
By R. Elmer Ouderkirk Jr.
Soil Conservationist

The Soil Survey Report for Cass County was issued in April 1969. During that time several hundred copies have been distributed from the Cass County Soil Conservation District Office in Atlantic to fill requests from land managers, bankers, farm service organizations, contractors, loan companies, real estate agents, and others that have a vested interest in the soils of Cass County.

We are very fortunate in Cass County in having a modern soil survey published report. Some less fortunate counties in the state are still waiting. In view of the fact that it normally takes about 12 years just to do the soil mapping, inking and manuscript for an average sized county, it is not surprising that some counties that were slow in getting on the schedule are still waiting for a published report.

Basis For Planning

In conservation work, the soils information from the published report is the basic material for all planning and application activity regardless as to whether we are working with individuals, groups, or watershed projects.

Individuals who might be interested in soils information for one or two farms, but will have no need for a complete soil survey report, are encouraged to visit the district office and pick up sheets for their locations, together with specific soils information on that particular land. Most of these requests for individual soil map sheets will come from farm operators interested in buying or renting land.

Soils

All basic conservation plans contain a map with complete soil information. Many landowners insist their tenants have a copy of the plan, not only for soils information to identify the more fragile soils for special treatment, but also for a guide to follow in managing the

4-H Leader Of The Month

James "Mac" McDermott, Rt. 1 Atlantic, is January's 4-H Leader of the Month. He has been involved with 4-H all of his life. Growing up in Benton Township, he was a nine-year member of the Benton Future Farmers 4-H Club, carrying livestock projects of beef and swine.

He showed at the Cass County Fair and also the Interstate Show at St. Joseph, Mo., in his last year in 4-H.

McDermott participated in all of the local club events and was selected to attend the State 4-H Conference in Ames. During the county fair, he exhibited the grand champion stock horse and it was one of his highlights as a 4-H member.

20 Years

For 20 years he has been involved as a volunteer 4-H leader in Cass County. He started as an organizational leader for the Bear Grove Junior Herdsmen 4-H Club. He then served as a program leader for a year and advanced to the county level to serve as an assistant beef superintendent and finally moving up to be the beef superintendent for the last 11 years.

As county beef superintendent, he is responsible for organizing the beef show and sale at the county fair. This includes setting up stalls on preparation day, weighing cattle, lining up help for the show and contacting buyers for the sale.

Prior to the fair, McDermott is also involved in getting the beef judge, planning for the beef awards and rule changes relating to that department.

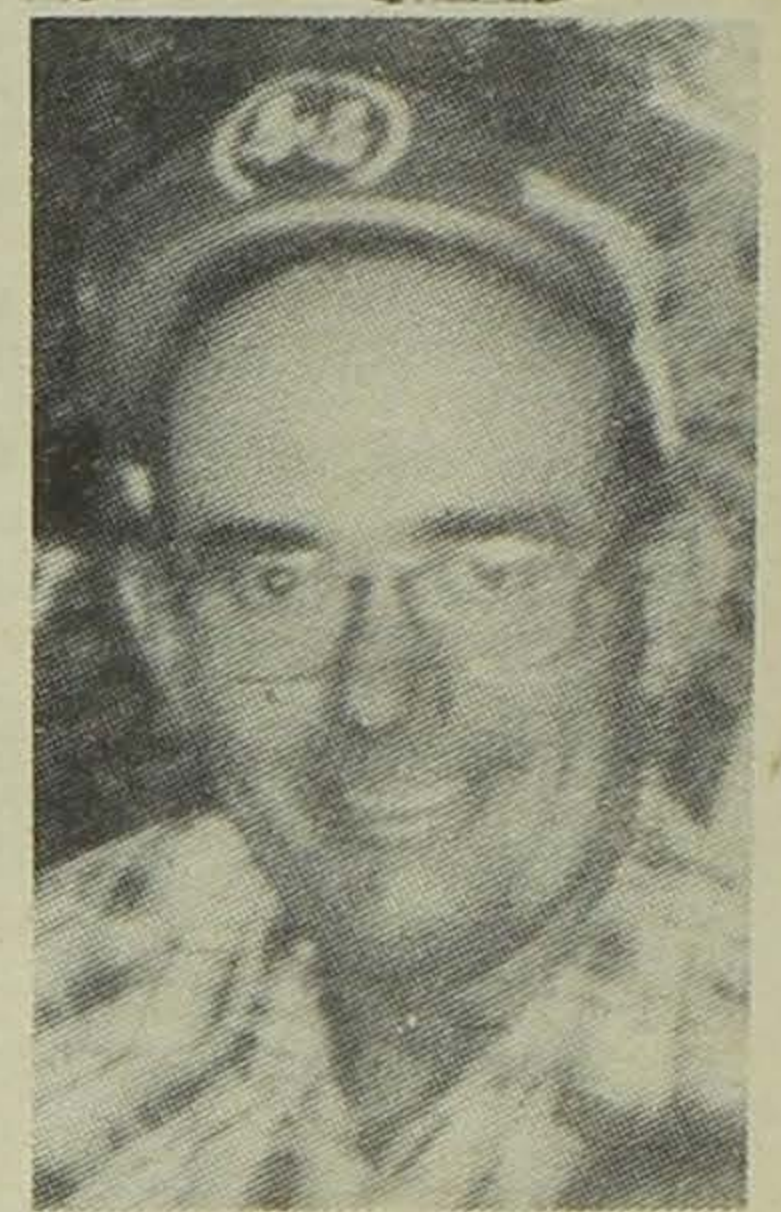
Changes

Over the years, McDermott

conservation measures applied.

From time to time, businesses change ownership and other personnel changes occur by retirements and transfers. Whatever the reason, some agricultural businesses that were familiar with the use of the Cass County Survey Report have either misplaced or lost their copies, and some new managers are not aware that the report even exists.

Copies are available at the



James "Mac" McDermott

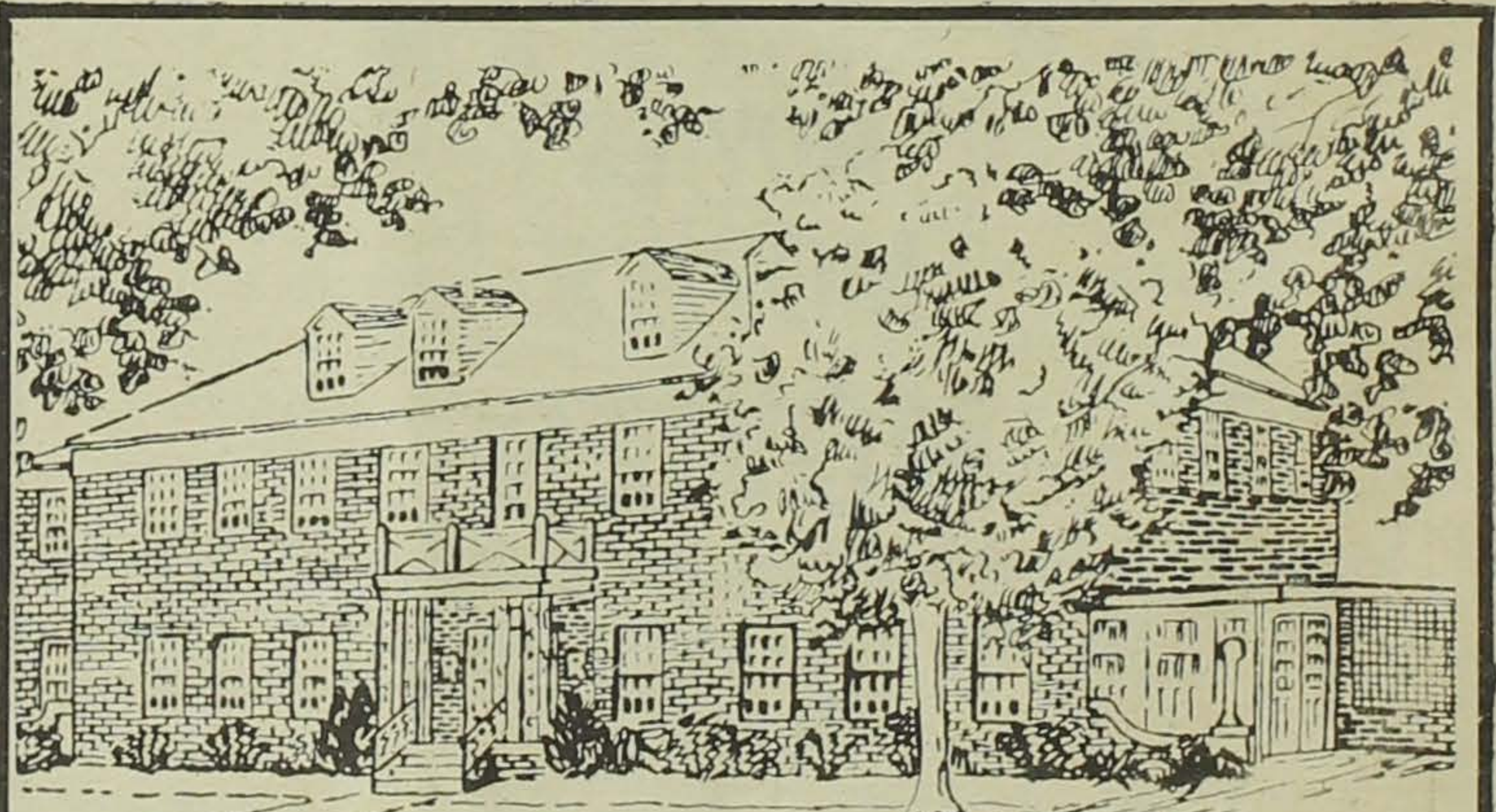
has been instrumental improving the beef weigh-in procedures, changing the show of market cattle from breed to weight, revising the beef breeding show, upgrading the fair sale and starting a new feeder calf class.

He enjoys working with young people and watching the progress they make from weigh-in time to fair time and the pride they take in working with their projects.

"I was in 4-H for nine years and got a lot of help and encouragement from the leaders and Extension personnel. By helping as a leader now, it gives me an opportunity to return the knowledge and leadership I have gained through the years. I have had a lot of good help — parents and assistants along the way that makes the job easier and helps me learn as well as the kids," the Atlantic farmer said.

district office, telephone 243-3180 for more information.

The age of grey seals has been determined by counting the layers of cement on the canine teeth. It has also been determined that cow seals live up to 30 years, but bulls rarely live longer than 15 years. The cows breed at the end of their fifth year, but the bulls are not capable of holding a territory until their ninth or tenth year.



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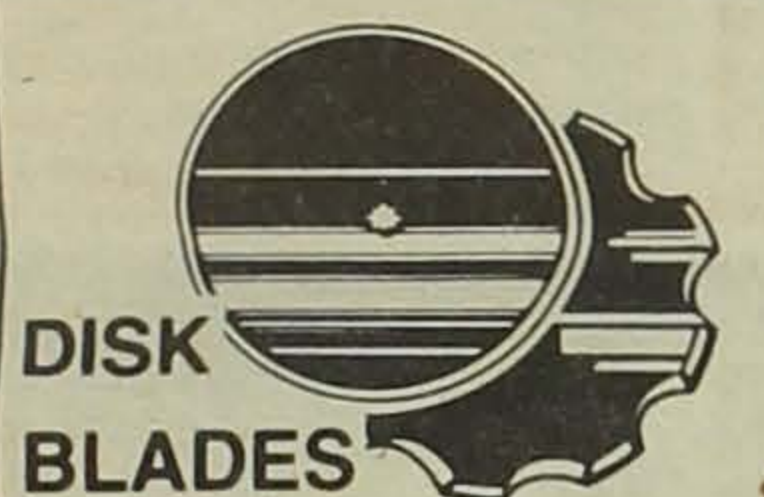
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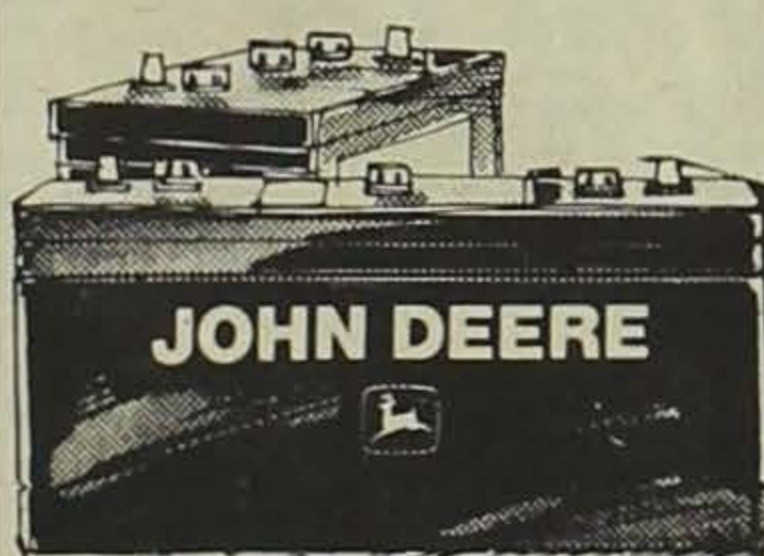
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Fox Flail Head for 1000 Chopper	\$995.
John Deere 95 Combine, Platform, 435 CH	\$2,150.
MF 510G Combine with Platform	\$9,950.
John Deere 1250 6-30 plateless planter	\$995.
John Deere 1240 4-38 plateless planter	\$895.
John Deere F145H 5/16 plow, 20 A.F. coulters, good condition, new paint	\$895.
John Deere 500 baler, reconditioned	\$4,195.
New Holland 850 baler	\$4,195.
1974 Field Queen S.P. chopper with cab, heater and air, new knives, hay pickup attachment and 3 row 30" corn head	\$13,950.
John Deere AT 40 row cultivator with rig mounted shields	\$695.
Noble 5 tine, 4 row, cultivator with 2 coulters	\$625.
Ford 3 pt., 4 row, 2 coulters and Dakon rolling shields	\$895.
John Deere RM-4 Cultivator with 2 coulters and quick return spring shanks	\$1,295.
John Deere 220 17'1" disk with 22" cone blades, 6 wheels and tires	\$3,595.
Krause 1407, 25 disk with Mid-West harrow	\$4,695.
Krause 1407, 25 disk with mid-west harrow	\$4,695.
John Deere 330, 21'4" disk with 22" cone blades	\$5,150.
1981 Hesston 6450 S.P. windrower with cab, air and 14' auger header	\$18,950.
1980 Hesston 1014 center pivot, 14' windrower	\$5,695.
John Deere 350, 46' elevator with electric drive	\$895.
IHC 300, 3 pt. 4 row hoe	\$695.
John Deere 544 10' dozer blade for 4440 or 4640	\$2,695.

LAWN & GARDEN EQUIPMENT.

Ford 125 hydro with 42" deck	\$1,995.
John Deere 314 with 48" deck	\$2,395.
John Deere 110 with 47" deck	\$1,395.
John Deere 317 with 48" deck	\$3,150.
John Deere 400 with 20 H.P., power steering and 60" deck	\$4,395.
John Deere 33 tiller for 317	\$795.
IHC 60 Cub Cadet rider	\$350.
2 Jacobsen snow throwers, choice	\$125.
John Deere P.T.O. attachment for 210	\$225.
1967 Honda Dream 300 Motorcycle	\$850.

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Hot 'N Hearty Homemade Dishes

Marvelous Meat Stews

Just ask the family. They'll all agree that one of their favorite winter-time meals is hot 'n hearty homemade meat stew. While the family enjoys stew for its wonderful aroma and satisfying flavor, the cook appreciates the economical way it livens up a menu.

Fortunately, there are so many meat-vegetable-seasoning combinations to choose from, you can treat with a different stew each week. To help you chase winter's chills, here are two excellent stews — one made with beef, the other lamb — from the test kitchens of the National Live Stock and Meat Board.

PATCHWORK BEEF STEW

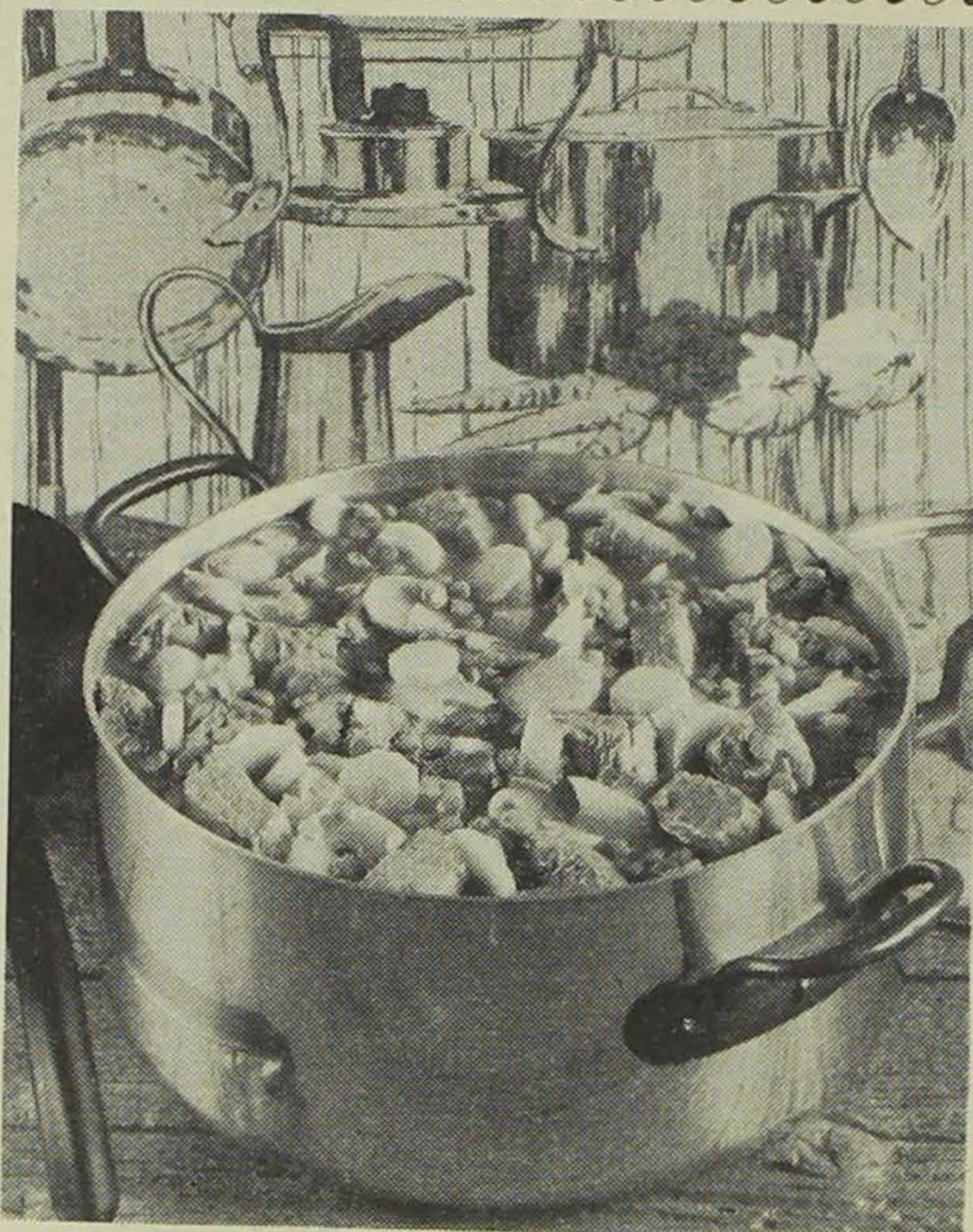
- 2 pounds beef or stew, cut into 1½-inch pieces
- ¼ cup flour
- 2 teaspoons salt
- One-eighth teaspoon pepper
- 2 tablespoons cooking fat
- 1½ cups water
- 2 medium onions, diced
- 6 medium turnips, pared and halved
- 12 radishes
- 2 tablespoons vinegar
- 1 tablespoon soy sauce
- 1 tablespoon sugar
- ¼ teaspoon caraway seed
- 1 can (16 ounces) green beans, drained

Combine flour, salt and pepper. Dredge beef in seasoned flour, reserving any extra flour, and brown in cooking fat in Dutch oven. Pour off drippings and sprinkle meat with any reserved flour. Add water and onion, cover tightly and cook slowly 1 hour. Add turnips, radishes, vinegar, soy sauce, sugar and caraway seed. Bring to boil, reduce heat and cook slowly 45 minutes or until meat and vegetables are tender. Stir in green beans and heat through. 6 to 8 servings.

ITALIAN LAMB STEW

- 2 pounds lamb for stew, cut into 1-inch pieces
- 2 tablespoons cooking fat
- 1½ teaspoons salt
- 1 teaspoon basil leaves
- One-eighth teaspoon pepper
- 1 can (16 ounces) whole tomatoes
- ½ cup water
- 1 medium onion, quartered
- 2 cups sliced celery (½-inch pieces)
- 1 medium eggplant (1 pound), cut into cubes or wedges
- ¼ cup ripe olives, cut in half
- 2 tablespoons flour
- Cooked rice or noodles
- Grated Parmesan cheese

Brown lamb in cooking fat in Dutch oven; pour off drippings. Sprinkle salt, basil and pepper over meat. Drain tomatoes, reserving liquid. Combine ½ cup tomato liquid and water; add to meat. Cover tightly and cook slowly 1 hour. Add onion and celery. Continue cooking, covered, 30 minutes or until meat and vegetables are tender. Cook eggplant in boiling salted water for 10 minutes or until done, stirring occasionally; drain thoroughly. Combine flour with remaining tomato liquid and gradually stir into stew. Cook, stirring constantly, until thickened. Fold in eggplant, tomatoes and olives; heat through. Serve on hot cooked rice or noodles. Serve Parmesan cheese as an accompaniment. 6 servings.



Spoon-size pieces of beef dredged, browned and simmered to tenderness, fortify this pot of lentil soup with good nutrition and flavor for an economical meal, suggests Nancy Degner, Home Economist for the Iowa Beef Industry Council.

You know supper will be a success when the family bounds through the door at the end of a cold, blustery day and heads straight for the kitchen to discover the source of the marvelous aroma that is filling the house. When it's a large pot of homemade beef soup they find simmering on the range, all will be especially anxious for the meal to begin.

Today, as in days past, one of the best ways to turn available foods into budget-stretching meals is to make a big pot of soup. Along with saving money, soup can be counted on to satisfy hearty appetites, provide needed nutrition and offer endless variety to family meals. In fact, you may want to double the recipe and freeze the extra for a future meal.

As with most homemade soups, the cooking period is long and leisurely. This allows time for the beef to become tender and for the flavors to blend and develop. While the soup needs little attention as it cooks, you will want to check occasionally to be sure that the liquid is not boiling but rather just simmering or bubbling gently.

A perfect partner for the meaty soup will be thick slices of crusty Italian bread. Then all that will be needed to complete the supper menu will be a salad of mixed greens and a variety of crisp vegetables tossed with a spicy Italian dressing. For a dessert sure to please serve slices of fresh apples and pass a plate of oatmeal-raisin cookies.

BEEF LENTIL SOUP

- 2 pounds beef for stew
- 3 tablespoons flour
- 2 teaspoons salt
- ¼ teaspoon pepper
- 3 tablespoons cooking fat
- 5 cups water
- 2 cups sliced celery
- 5 medium carrots, cut in thin slices
- 2 large onions, chopped
- 1 cup lentils
- 1 tablespoon lemon juice
- 1½ teaspoon salt
- 1 teaspoon thyme

Cut beef cubes across the grain in pieces ½ inch thick. Combine flour, 2 teaspoons salt and pepper; dredge meat. Brown meat in fat in Dutch oven or large pot. Add water, cover tightly and simmer 45 minutes. Stir in celery, carrots, onions, lentils, lemon juice, 1½ teaspoons salt and the thyme. Simmer, covered, 1 hour, stirring occasionally or until meat and vegetables are tender. Eight servings (1½ cups each).

EGG SALAD MOLDS

A welcome change from egg salad sandwiches.

- 1 envelope unflavored gelatin
- ½ cup cold water
- ½ cup boiling water
- 6 large eggs, hard-cooked
- ½ cup mayonnaise
- 1 tablespoon lemon juice
- ¼ cup minced green pepper
- ¼ teaspoon salt
- White pepper to taste

Sprinkle gelatin over cold water to soften — about 5 minutes; add boiling water and stir until gelatin dissolves. Force eggs through a food mill or shred in a food processor; stir in mayonnaise, lemon juice, green pepper, salt, pepper and then dissolved gelatin. Chill until slightly thickened. Stir to distribute ingredients. Turn into five 6-ounce custard cups. Chill to set. Unmold at serving

time and garnish with salad greens. Makes 5 servings.

ONE-DISH BEEF DINNER

- 1 pound ground beef
- 1 small onion, chopped
- ½ teaspoon salt
- ¼ teaspoon pepper
- 1 can (10½ ounces) condensed tomato soup
- 1 can (16 ounces) whole kernel corn, drained
- 1 can (8 ounces) refrigerated biscuits

Brown beef and onion in frying pan, stirring occasionally. Stir in salt, pepper, tomato soup and corn. Bring to a boil and pour into an 8-inch square casserole or pan. Separate biscuits and arrange on top of meat mixture. Bake in a hot oven 450 degrees 15 to 20 minutes, until biscuits are lightly browned. 4 to 5 servings.

DUMPLINGS

From a fine cook — Lillian H. Gallagher of Apollo, Pa.

- 1 cup flour
- 2 teaspoons baking powder
- ½ teaspoon salt
- 1 egg
- ½ cup water
- 2 cups beef broth

Stir together the flour, baking powder and salt. Beat egg and water until blended; stir into flour mixture until blended. Bring broth to a boil; drop in dumpling mixture in 8 small portions. Boil, uncovered, for 2 minutes; simmer, covered, until cooked through — 20 minutes. Makes 4 servings — 2 dumplings per portion.

BEEF IN A BOWL

- 2 pounds beef for stew
- 1½ teaspoons salt
- One-eighth teaspoon pepper
- 3 cups water
- 4 cups tomato juice
- 2 tablespoons sugar
- 1 large clove garlic, crushed
- 2 packages (10 ounces each) frozen succotash
- ½ 8-ounce package noodles
- 1 tablespoon dehydrated onion

Cut beef in 1-inch pieces and place in Dutch oven. Sprinkle salt and pepper over beef. Add water, cover tightly and simmer 1 hour. Add tomato juice, sugar and garlic and continue cooking 30 minutes. Plunge succotash in boiling water, drain thoroughly and add to soup. Add noodles and onion; continue cooking 30 to 35 minutes or until beef and noodles are tender. 8 servings (1½ cups each).

SNOWFLAKE SOUP

- 1 can (10¾ ounces) condensed potato soup
- 1½ cups milk
- ½ cup popped corn
- ¼ cup (1 ounce) shredded Swiss cheese

Combine soup and milk in saucepan. Heat to boiling, stirring frequently. Pour into bowls. Float popcorn on top. Sprinkle with cheese. Serve immediately. Yield: approximately 2½ cups.

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

Parsnips Make An Elegant Soup

By CECILY BROWNSTONE
Associated Press Food Editor

Is it because the often gnarled roots of parsnips are the ugly ducklings of the root vegetable family that today's cooks are inclined to disdain them?

It was not always so. In early New England families, parsnips added their piquant flavor to the standard winter chowders of salt pork, onion and potatoes. New Englanders also relished Parsnip Stew, sometimes with dumplings.

When I was a child in Canada, my sisters and I loved the candied parsnips my mother made. And her parsnip croquettes — bound with fresh bread crumbs and egg, seasoned with onion and parsley and fried golden brown in butter — were a special treat. Like all good cooks of her time, she included parsnip in poultry and meat soups.

CREAM OF PARSNIP SOUP CECILY

- 3 medium parsnips (about ½ pound), peeled and thinly sliced (2 cups)
- 1 small onion, chopped medium-fine (½ cup)
- 2 large outer ribs celery with leaves, thinly sliced (1½ cups)
- 2½ cups clear fat-free chicken broth
- One-eighth teaspoon curry powder
- 1 cup heavy cream

Salt and pepper to taste
Fresh chives, finely chopped

In a 2-quart saucepan bring to a boil the parsnips, onion, celery, chicken broth and curry powder; simmer, covered, stirring often, until vegetables are very soft — 30 minutes. In an electric blender puree in two batches. Return to saucepan; stir in heavy cream; reheat. Season with salt and pepper to taste. Sprinkle with chives. Makes about 4 ½-cups.

Slices of eggplant are a natural substitute to noodles when preparing lasagna.

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Sheet Erosion Soon Leads To Rills, Gullies

By Kirk Petersen
Soil Conservationist

Erosion was never a serious problem until man came along. He domesticated animals and concentrated them in a restricted area, which wore off the surface of the land. This removed the cover on the soil and this is where sheet erosion begins.

Sheet erosion is the removal of a fairly uniform layer of soil from the land surface. This removal is usually started by wind or water movement. Sheet erosion is not usually visible by the eye. But over long periods of time it becomes severe.

The whole erosion process starts out with fertility erosion. Fertility erosion is the removal of the most fertile soil or organic matter.

Puddle erosion will occur if the surface becomes sealed over. This destroys the natural structure of the soil and won't let water infiltrate down into the soil.

This soil can become hard, dry and maybe removed by wind or water.

Rill Erosion

Sheet erosion will then occur, followed by rill erosion. Rill erosion is the process by which numerous small channels of only several inches in depth are formed. Rill erosion can be seen and usually occurs on recently cultivated soils.

If rill erosion increases it will turn into gully erosion. Gully erosion is the erosion process where water accumulates in narrow channels and over short periods removes the soil from this narrow area to considerable depths.

These depths range from one to two feet to as much as 75 to 100 feet. Many times gullies are difficult, if not impossible, to cross with farm machinery.

Vegetative Cover

The best way to prevent sheet erosion from occurring is to place a barrier between the soil particles and the wind or water. Vegetative cover is the best way to protect the soil.

The foliage shields the soil from the abrasive effects of the wind. It does not allow raindrops to strike the soil surface, as hard, thus reducing the splattering effect caused by the raindrops striking. It does not allow water to move as fast across the surface and reduces the scouring.

With proper care, the soil particles are not allowed to become loosened, thus reducing large amounts of soil being moved by the soil particles bumping into each other. A fact to remember is that when sheet erosion is controlled, rill and gully erosion will not occur.

BANK FAILURES

WASHINGTON (AP) — The number of bank failures during 1983 could exceed the record for bank failures set in 1940, according to Alan Whitney, U.S. Federal Deposit Insurance Corp. spokesman.

Whitney said that 39 banks have failed this year. It appears likely that the 1983 rate of failure will surpass last year's 42 failures — the most since 43 banks failed in 1940.

The FDIC insures deposits of up to \$100,000 in federally insured banks and consequently keeps close track of the state of health of American banks.

This year, the FDIC's list of problem banks has risen to 597, compared to 369 at the end of 1982.

Extension Echoes

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

Paint A Vapor Barrier

When you tighten up an older home with insulation, weatherstripping and caulking, you may create moisture problems. When cracks and leaks are plugged, moisture gets trapped inside the house.

The danger is that trapped moisture will push into the exterior wall cavities. Many older homes don't have vapor barriers to stop this movement of moisture into the walls. Once inside the walls, moisture can damage both insulation and building materials.

To reduce this damage, add a vapor barrier to the walls. If you're putting on new wall surfaces such as paneling, install polyethylene plastic sheeting under the paneling.

If you're not putting on new wall surfaces, you can use oil-based aluminum paint as a vapor barrier. Special latex-base vapor barrier paints also are available. Paint the inside surface of exterior walls with two or three coats of the vapor barrier paint. Then apply regular latex wall paint. Give ceilings below unheated attics the same treatment.

Colic Control

Anyone who's ever been around a colicky baby has wished for a cure. Over the last five years researchers have focused on specific foods which were thought to cause colic.

A Swedish report said that the problem was cow's milk, but a New Zealand group doubted that and designed a new study. They found that most mothers who avoided drinking cow's milk still had colicky babies. They also found that the babies

colic was worse on days when mothers reported eating chocolate or fruit. Previous studies had linked milk, eggs, chocolate, fruit and nuts to infant colic.

The conclusion is that what mother eats may contribute to colic in breastfed infants, but no specific food can be identified as the sole cause. It also seems that the more variety of foods the mother eats, the more likely are the symptoms of colic.

Home Dyeing of Fabric

If a fabric you want to home dye contains polyester or acrylic, or has special finishes like permanent press, it may not take dye very well. Finishes interfere with dye absorption.

In industry, special chemical and pressure tanks are used to swell fibers so dyes can penetrate. There is no way to duplicate this at home.

OLDER WOMEN

WASHINGTON (AP) — Women over 40 who spent their working years as homemakers pay a steep price at retirement, according to Shirley Sandage, executive director of the Older Women's League.

The national group founded in 1980 is lobbying to eliminate age and sex discrimination and inequities in pensions and health insurance. According to Sandage, women are progressing upward into poverty. She cited the fact that median annual income for women over 65 is \$4,757 only \$400 above the poverty level, compared to \$8,173 for men 65 and older.

She noted that only 17 percent of women receive any pension income, even though women represent 59 percent of the over-65 population.

The group, which has 70 regional chapters and 7,500 members, offers help in planning to older women. Those interested in further information can write to OWL, Lower Level, 1325 G Street, NW, Washington, DC 20005.

SCARECROW CONTEST

LAHASKA, Pa. (AP) — The fifth annual Cabbage Patch Scarecrow Contest was held recently at Peddler's Village, an 18th century community of shops and restaurants here. The scarecrows averaged 8 feet tall and tall and were in

many forms. Many looked like those often seen in the fields of this Pennsylvania German area during the 19th century. However, a novelty category often provided more modern versions. Last year, for example, a scarecrow version of E.T. won the top prize.

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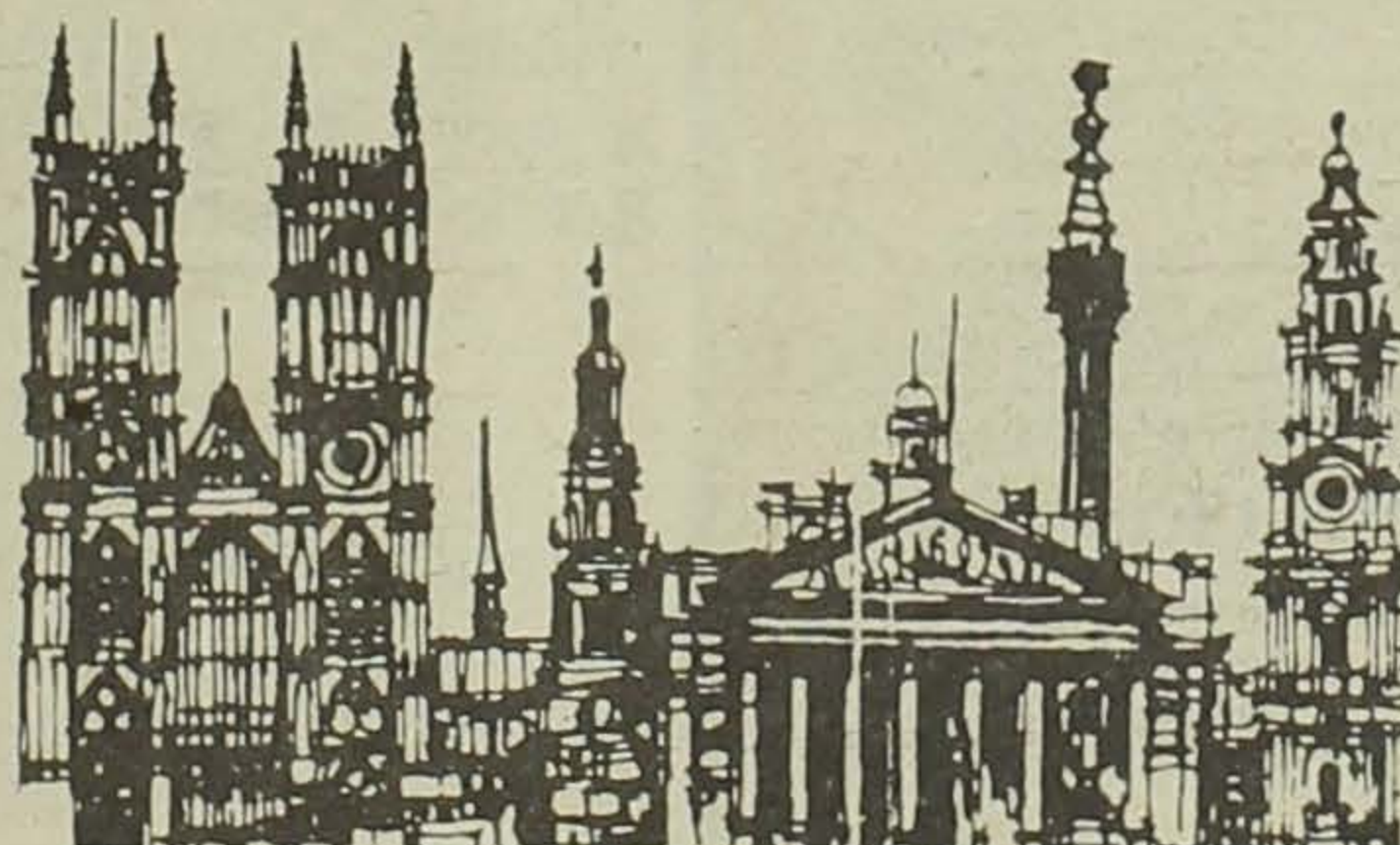
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Farmhand 880 tub grinder. \$6,342.
Ford 26½' pull field cultivator, spring harrow, good. \$3,750.

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John Deere 2700 5 bottom plow. \$4,987.
John Deere 520 soybean drill, 24' x 10. \$12,291.
John Deere 428 8 RW rotary hoe \$3,963.
John Deere 85 RM cultivator, 8 RW \$6,331.
John Deere 230 19' 11" disk, cone \$6,225.
John Deere harrow sections \$199.
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Farmhand 817 mill. \$5,529.
M & W 14' 3 pt. drill \$6,918.

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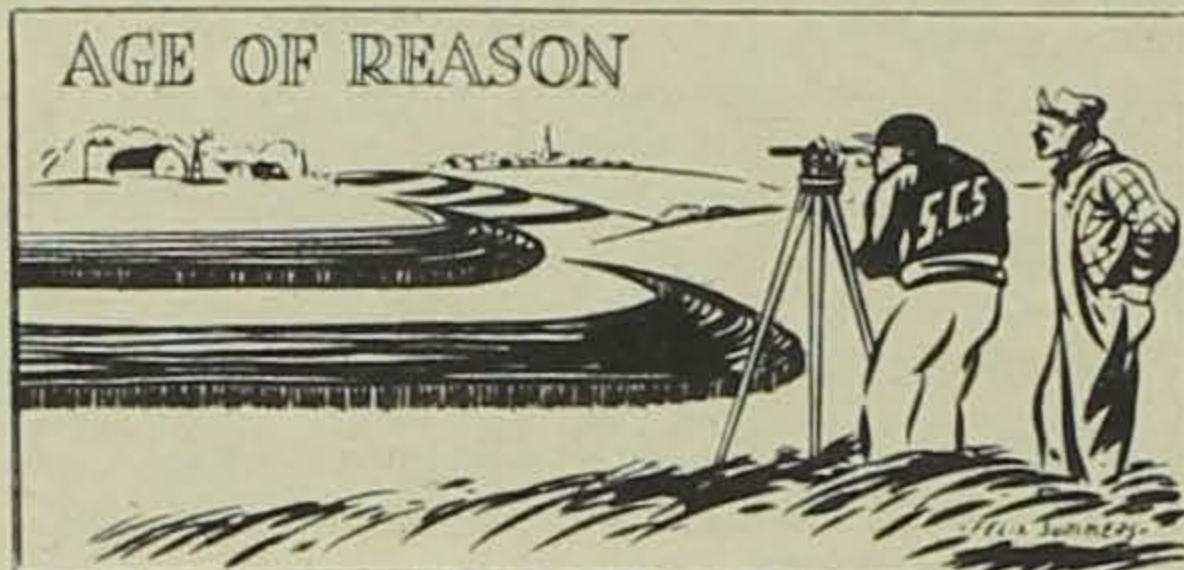
PIONEER AGE



DESTRUCTIVE AGE



AGE OF REASON



SOIL CONSERVATION

SOIL CONSERVATION DISTRICT PERSONNEL

Carolyn Wilson District Clerk

USDA — SOIL CONSERVATION SERVICE (SCS)

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

EXTENSION SERVICE

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

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (ASCS)

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

ASCS COUNTY COMMITTEE

Emert Euken Richard Follmann Robert McLaren

FARMERS HOME ADMINISTRATION (FmHA)

Alan Seehusen County Supervisor
 Madonna Nisson County Office Assistant
 Joni Perdue County Office Clerk
 Deborah Eyberg County Office Clerk
 Gary Armstrong Asst. County Supervisor
 Carol McDonald Asst. County Supervisor
 Gary W. Ludington District Director
 Forrest D. Vermillion Asst. District Director
 Marvin Eblen Construction Inspector
 Shirley A. Winston District Loan Assistant
 Diane Larson District Office Clerk

'83 ANNUAL



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

We, the Cass County Soil Conservation District Commissioners, listed below, as well as many others in the area, for the cause of Soil and Water Conservation in Cass County. This is a valuable natural resource - the soil and water - for which this goal be realized. We thank all who have helped us.

COMMISSIONER

JANUARY

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

Short course for commissioners was held in Ames.

FEBRUARY

Held poster contests for 5th grade students in Cass County and pancake and sausage for the contractors.

MARCH

Started distributing Iowa Soil 2000 conservation folders to landowners.

Regional meeting for Commissioners held in Walnut.

APRIL

Held awards banquet for 5th grade poster contest winners and 6th grade conservation winners, their families and teachers. Ribbons were given to all 5th grade winners and trophies to 6th grade winners.

MAY

Conducted operation and maintenance inspections of structures in the Crooked Creek and Turkey Creek Watersheds.

JUNE

Held 5% spotchecks of new windbreak, terrace and waterway construction.

REPORT



Carolyn Wilson, Duane Ortgies, Bill Willis, Kirk Petersen, Elmer Ouderkirk and Gene Eyberg.

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

ACTIVITIES 1983

JULY

Mr. and Mrs. Robert Sothman won the No-Till Club week-end for two in Des Moines. This week-end was made possible by contributions from the following elevators in Cass County: Farmers Co-op — Cumberland, Anita Feed Service, Farmers Co-op — Anita, Wiota Elevator, Hansen's Feed & Grain — Griswold, Cass Co. Elevator, Kay Elev., ADM Feed Corporation, Massena Farm Center, Massena Co-op Co., Muller Elevator. No-till caps were given to all club members and were provided by funds donated by Hy-Vee Food Store, Gene's Super Valu and Jim's Atlantic Supermarket.

AUGUST

Sponsored an indoor education exhibit at the Cass County Fair.

SEPTEMBER

Fall regional meeting held at Walnut.

OCTOBER

Southwest Iowa Soil Judging Contest was held at Denison.

NOVEMBER

Annual Conference held for commissioners in Des Moines and was attended by several commissioners. G.M. Baier was named outstanding commissioner for the region 5 area.

DECEMBER

Mr. and Mrs. Duane McFadden were chosen as a state winner in the Izaak Walton League Windbreak Award Contest.

ACCOMPLISHMENTS

New District Cooperators	No.	10
Landowners Requesting Assistance	No.	333
Technical Services Provided	No.	799
Landowners Applying a Practice	No.	197
New Conservation Plans	Ac.	3,291
Terraces	Ft.	211,100
Grassed Waterways	Ac.	26
Contour	Ac.	7,836
Conservation Tillage	Ac.	10,714
Farmstead and Feedlot Windbreaks	Ac.	6
Tile Drainage	Ft.	111,608
Cropland Benefitted by Appl. of Cons. Practice	Ac.	11,254
Cropland Adequately Protected	Ac.	4,834

EXPENDITURE OF FUNDS

Provided by the State for July 1982-June 1983

1-M Budget

Allocation	\$2,722.50	
Commissioner mileage		\$2,180.28
Office supplies and expenses		542.22
Total		\$2,722.50

2-M Budget

Allocation	\$14,531.00	
Salaries, FICA, IPERS		\$13,280.41
Travel		107.77
Life, health & disability ins.		885.57
Painting office furniture		257.25
Total		\$14,531.00

3-M Budget

81-82 Allocation	\$90,739.52	
Cost share warrants paid		\$90,311.42
Unobligated balance		428.10
Total		\$90,739.52

82-83 Allocation	\$78,429.00	
Cost-share warrants paid		\$71,259.37
Work started but not complete		6,525.00
Unobligated balance		644.63
Total		\$78,429.00

83-84 Allocation	\$67,945.00	
Cost-share warrants paid		\$29,972.25
Work started but not complete		37,015.75
Unobligated balance		957.00
Total		\$67,945.00

83-84 Iowa Soil 2000 Allocation	\$60,000.00	
Cost share warrants paid		\$12,698.88
Funds obligated but not complete		44,318.40
Unobligated balance		2,982.72
Total		\$60,000.00

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Anita State Bank
Farmers Savings Bank of Massena
Union State Bank, Bridgewater and
Greenfield
Agricultural Production Credit Association

'83 ANNUAL REPORT



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Held 5% spotchecks of new windbreak, terrace and waterway construction.

JULY

Mr. and Mrs. Robert Sothman won the No-Till Club week-end for two in Des Moines. This week-end was made possible by contributions from the following elevators in Cass County: Farmers Co-op — Cumberland, Anita Feed Service, Farmers Co-op — Anita, Wiota Elevator, Hansen's Feed & Grain — Griswold, Cass Co. Elevator, Kay Elev., ADM Feed Corporation, Massena Farm Center, Massena Co-op Co., Muller Elevator. No-till caps were given to all club members and were provided by funds donated by Hy-Vee Food Store, Gene's Super Valu and Jim's Atlantic Supermarket.

AUGUST

Sponsored an indoor education exhibit at the Cass County Fair.

SEPTEMBER

Fall regional meeting held at Walnut.

OCTOBER

Southwest Iowa Soil Judging Contest was held at Denison.

NOVEMBER

Annual Conference held for commissioners in Des Moines and was attended by several commissioners. G.M. Baier was named outstanding commissioner for the region 5 area.

DECEMBER

Mr. and Mrs. Duane McFadden were chosen as a state winner in the Izaak Walton League Windbreak Award Contest.

New District Cooperators
Landowners Requesting Assistance
Technical Services Provided
Landowners Applying a Practice
New Conservation Plans
Terraces
Grassed Waterways
Contour
Conservation Tillage
Farmstead and Feedlot Windbreak
Tile Drainage
Cropland Benefitted by Appl. of
Cropland Adequately Protected

EXPENSES
Provided

1-M Budget

Allocation
Commissioner mileage
Office supplies and expenses
Total

2-M Budget

Allocation
Salaries, FICA, IPERS
Travel
Life, health & disability ins.
Painting office furniture
Total

3-M Budget

81-82 Allocation
Cost share warrants paid
Unobligated balance
Total

82-83 Allocation

Cost-share warrants paid
Work started but not complete
Unobligated balance
Total

83-84 Allocation

Cost share warrants paid
Work started but not complete
Unobligated balance
Total

83-84 Iowa Soil 2000 Allocation

Cost share warrants paid
Funds obligated but not complete
Unobligated balance
Total

Houghton State
Norwest State
American Federation
Association
Griswold State
Federal Land
Branch Office
First Whitney
Anita State Bank
Farmers Savings
Union State Bank
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Agricultural Pro

For a quick appetizer, take a slice of bologna cover with a spread of cream cheese. Roll and

secure with a toothpick. Potato salad may be used instead of cream cheese.



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Al Wernimont (2nd year beans)	PER ACRE	43 bu.
Murray Schuler 60 acres — average		44 bu.
Leo Quinn		45 bu.
Carl Symonds		44 bu.
Merlin Schrier 15.9 acres		51 bu.
Merlin and Lloyd Schrier		
average on 95 acres, planted the first week of June, in 20-inch row:		45.6 bu.



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Three Basic Steps Start Soil Erosion By The Wind

By Kirk Petersen
Soil Conservationist

Wind is the result of atmospheric temperature difference. The warmer air rises and expands, while cool air sinks and contracts. The warmer air rises and expands, while cool air flows in to replace the warm air.

The earth's rotation creates some wind by dragging the air in its circular rotation. Wind has eddies and turbulence like water.

Winds can gust over 200 miles per hour and inside a tornado can be as high as 600 miles per hour. Wind speeds are zero at ground surface and increase as you move upward.

There are three basic steps in starting soil erosion by the wind. The first step is soil loosening. Soil loosening is caused by cultivation of the soil, freezing and then thawing, wetting and drying, vegetation's root systems moving through the soil, and

rolling sand particles.

Second Step

The second step is the initiation of movement. As soon as the wind reaches 9 miles per hour, soil movement is started on and six inches above the ground surface. Nine miles per hour is considered the critical wind speed. Turbulence is started and wind speeds of 2 miles per hour, forced upwards, will cause damage.

The third step is transportation and deposition of the soil particle. Transportation is done by three methods.

These methods are saltation, suspension and surface-creep. Saltation is medium sized sand particles rotating, when struck by the wind and kicking out smaller particles of soil forming depressions and causing erosion.

Depressions

These depressions are formed because the larger sand particles force the smaller silt and clay particles up and out of

their original resting place. If the large soil particles are allowed to remain at rest, they protect and hold the smaller soil particles in place.

Unless saltation occurs there won't be serious wind. Suspension is the holding of particles aloft; above the ground, due to the wind speed and turbulence.

Silt And Clay

The suspended particles are usually silt and clay, and particles are much larger than silt and clay, and are heavier and more difficult to be held and moved by the air.

When these larger particles are not able to be moved up into the air they are forced along the surface. This movement of soil particles along the surface is called surface-creep.

One particle bumps into another particle loosening it. In time, several soil particles are coming in contact with each other causing large amounts of soil to be moved. This is serious erosion.

The particles are deposited, on the ground at another location, usually where they are not wanted. Particles larger than three millimeters in diameter are not usually moved by wind, unless it is extremely hard gusts.

Prevention

Preventing wind erosion can be done by strip cropping. This allows a vegetative cover to act as a windbreak and as a blanket to hold the soil on the surface.

Prevention of burning, and good management of grazing, will maintain a cover and aid in soil conservation.

Moisture conservation is important. If the soil is allowed to dry out it can be moved easier by the wind. Emergency cover crops, like sorghum or sudan grass, may be grown for fast cover.

A fact to remember is, the more cover kept on the soil surface the less likely wind erosion will occur.

Explain Iowa Soil 2000 Regulation

By G.M. Baier

District Commissioner

The Iowa legislature passed the Iowa Soil 2000 law to develop and encourage soil conservation on the part of all Iowa farmers.



G.M. Baier

During 1984 all Soil Conservation districts in the state will start to administer this law. The Cass District was one of six pilot districts in the state who started on this program in 1983 — giving us some insight on what some of the problems will be.

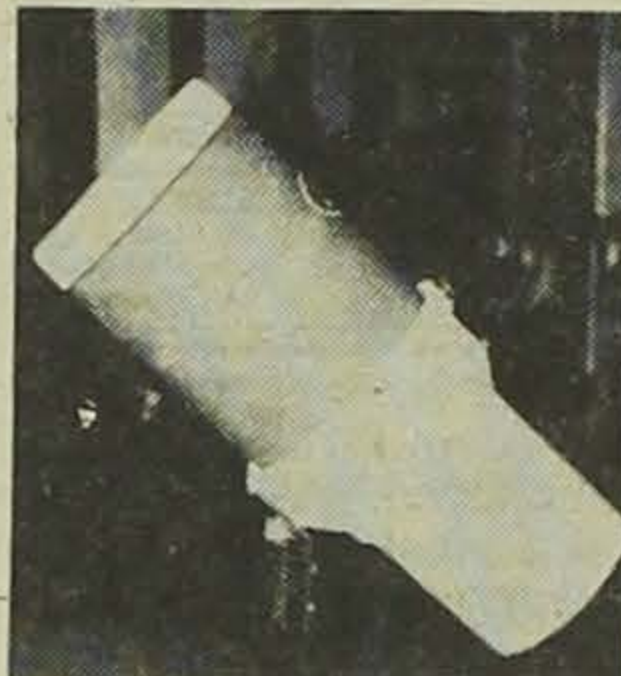
The first step is the issuing of a conservation folder to a landowner showing the soil types and grades, also a chart indicating the amount of soil loss per acre per year according to whatever crop rotation being used. One inch of top soil per acre weighs 150 tons.

One year after receiving the folder, the landowner will be contacted to see if he wishes to bring his soil losses under control — if so, a conservation plan will be made and he has five years to complete the plan.

The goal is getting Iowa's soil erosion problems under control by 2000.

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Similarities In 1958 and 1984 Reports

By George Hosfelt
District Commissioner

Cass County Soil Conservation District commissioners published their annual report Feb. 5, 1958. On Jan. 28, 1984, the district again published an annual report.

There are some unusual similarities and some obvious differences in the two reports published 26 years apart.



George
Hosfelt

In 1958, the district helped farmers build 104 miles of terraces at a cost per foot of about 5 cents. In 1983, Cass County farmers built about 40 miles of terraces at a average cost of \$1.74 per foot.

The similarity exists in the fact that terraces, and lots of them, are still needed in Cass County.

The difference is that today we're building parallel terraces with tile outlets which are much more complex and expensive as a way to keep pace with today's agriculture.

In 1958 the district commissioners were Wendell Pellett, Boyd Bailey, George Hosfelt, and Carl Keller. Today, I am still a district commissioner and Wendell Pellett is an assistant commissioner. Boyd Bailey is still an avid conservationist as is Carl Keller. The number of district commissioners has been increased from four to five, and are now voted on at the general election.

In 1958 the district reported the number of acres of contouring and waterways installed, and the number of feet of ponds or tile drainage or diversions.

The 1983 report includes accomplishments of many of the same conservation practices. This illustrates the point that only one-third of Cass County farmland is adequately protect-

ed against excessive soil erosion.

Soil conservation efforts must continue in order to preserve the valuable soils we have at our disposal.

In the 1958 report it said, "Many, many years are required by nature to produce a single inch of topsoil. Yet, all this work of nature may be destroyed by man in a relatively few years by careless and reckless land management."

The 1958 report included articles about how several local and state agencies worked together to conduct a complete and conservation program in the county. These agencies included the district, the Extension Service, the Soil Conservation Service and Agriculture Stabilization and Conservation Service.

In today's annual report you will still see that these same agencies, and more, are still pulling together to get the erosion control job done.

In 1958 Cass County hosted the State Plowing Contest on a

farm south of Atlantic. Today, we wouldn't think of such a thing as a plowing match.

We would have to sponsor a no-till field day and we have done just that. Four no-till field days, in 1981, followed by on-going No-Till Club, indicates that the district effort to control erosion has changed and adjusted to keep pace with the times.

Sometimes it is good to look back because it gives a new outlook for the future. One fact rings true — the erosion control job is not done, but the future holds a lot of rewards for keeping the soil in place where it belongs.

GRAIN STOCKS

Stocks of corn in Iowa at 1.08 billion bushels was down 41 percent from the record 1.85 billion bushels on hand Jan. 1, 1983.

Sixty-four percent of all corn stocks were stored on the farm.

Soybean stocks at 250 million bushels were down 26 percent from the previous record of a year earlier of 335 million

bushels. Fifty-three percent of the soybean stocks were stored on the farm.

Oat stocks in Jan. 1 at 32 million bushels were 29 percent less than a year earlier.

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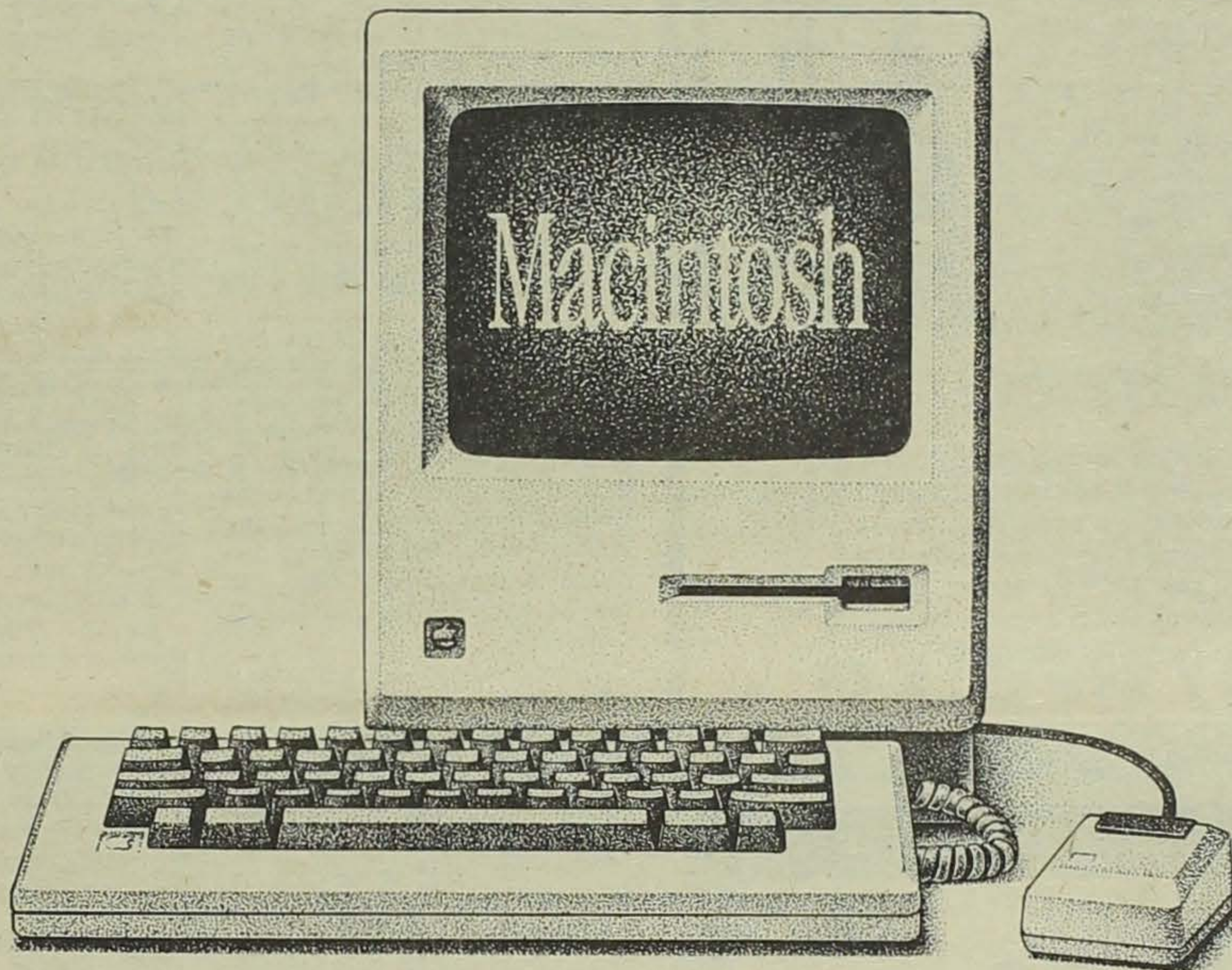
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County Terrace Work In 1983 Covers 211,100 Feet

Cass County farmers installed 211,100 feet of terraces last year which represents almost enough footage to go across the entire county twice. The terraces represent an investment in permanent soil conservation practices of more than \$360,000.

"The 1983 PIK program allowed terrace construction through the whole year. Usually, terraces are built in the spring and fall because the land is planted in a crop. This year we didn't have that restriction and terrace construction was up over 40 percent," comments Gary Wolfe, a Cass County Soil Conservation District Commissioner.



Good topsoil is stockpiled before the terraces are built from subsoil.

Terraces provide a permanent answer to controlling soil erosion. Their main effect results from "shortening the distance runoff water can travel down a slope, and also by reducing the volume of runoff. If steep back-slope terraces are used, there is also some reduction in the steepness of slope as a result of construction, he said.

Cost-sharing funds are available to pay up to 50 percent of the construction cost. Federal funds are available through the Cass County ASCS Office. State funds are also available through the Soil Conservation District Office. Both offices are located at 1207 Sunnyside Lane in Atlantic.

"The bad storms in the last three years points out the need to stop all this soil loss," adds Bill Fudge, a district commissioner. "We can't keep on planting all the corn and beans without doing more to keep the soil in place. We're losing too much soil and we need the terraces badly," Fudge concludes.

Terraces work well when they are combined with reduced tillage or no-till systems. Most terraces are laid out parallel to each other, and the distance between terraces will fit farm equipment.

"We can offer terraces in a variety of styles, including grassed backslopes, broad-base, level, waterway outlet,

narrow-base, and tile outlet," comments Bill Willis of SCS. "We tailor the terraces to fit the farming operation with every effort to construct the terraces parallel for the best farmability."

Technical assistance for terrace work is available at the Soil Conservation District Office. It is available to any Cass County farmer free of charge.

HOLSTEIN COW HAS FOUR CALVES

Lena, a four-year-old Holstein cow on the Lee Vonnahme farm at Westside, gave birth to two heifers and two bulls Jan. 6.

But one heifer, the first calf born, died at birth or soon after. Dr. Jerry Raines of Carroll said the chances of a cow giving birth to quadruplets is one in 750,000. Approximately 200,000 sets of twin calves, 2,000 sets of triplets and 30 sets of quadruplets are born each year in the United States, he said.

Raines helped deliver the third and fourth calves. Lena had given birth to two single calves before the multiple birth. The four calves weighed a total of 315 pounds. The three surviving calves are doing well, Vonnahme said. The calves' sire was a Simmental bull that died this winter.

Jazz trumpeter Louis Armstrong died in 1971.

Cass County Part Of Corn Study Project

By Kirk Petersen
Soil Conservationist

The first year of the Iowa Corn Yield Study has been completed in Cass County. There were ten test counties in the state in 1983 — Adams, Cass, Clay, Crawford, Fayette, Hamilton, Harrison, Keokuk, Wayne and Woodbury. This year 45 counties will be added to the list.

The Soil Conservation Service and the Iowa State University Extension Service are cooperating in this five-year project. The purpose is to study the relationships between soil erosion and soil productivity.

Cass Study

In Cass County, an extensive study was done on weed control, drought stress, silking efficiency, root and stalk lodging, corn borer infestations, weight and moisture content of the corn at harvest time.

Soil profiles were also taken. The study was done on non-eroded, as opposed to moderately and severely eroded slopes on one site, of the same soil type. The predominant soil types were Marshall on one site, and Adair and Sharpsburg soils on the other site.

Leaf samples were collected from the stalks when 75 percent of the ears were silked. Half of the leaves were taken from silked and the other half from non-silked plants. These leaves, along with root samples, were sent to ISU for chemical testing.

Hand Harvesting

Ear corn was harvested by hand and placed in large burlap bags. Two rows of kernels were shelled from each ear and only half of the ears were used as corn samples. The rest of the corn was returned to the farmer. Both the soil and corn samples were sent to ISU for chemical testing.

A record of the rainfall was kept by the farmer from June to October. A management worksheet with questions of the tillage operations and cropping history was filled out by the farmers.

There are two different sites in Cass County, with three plots located on each site. One of the sites is on the Phil Anstey farm south of Cumberland, and the other is west of the James Swanson farmstead of rural Marne. The sites are near roads for easy access and observation of the plots.

Small Plots

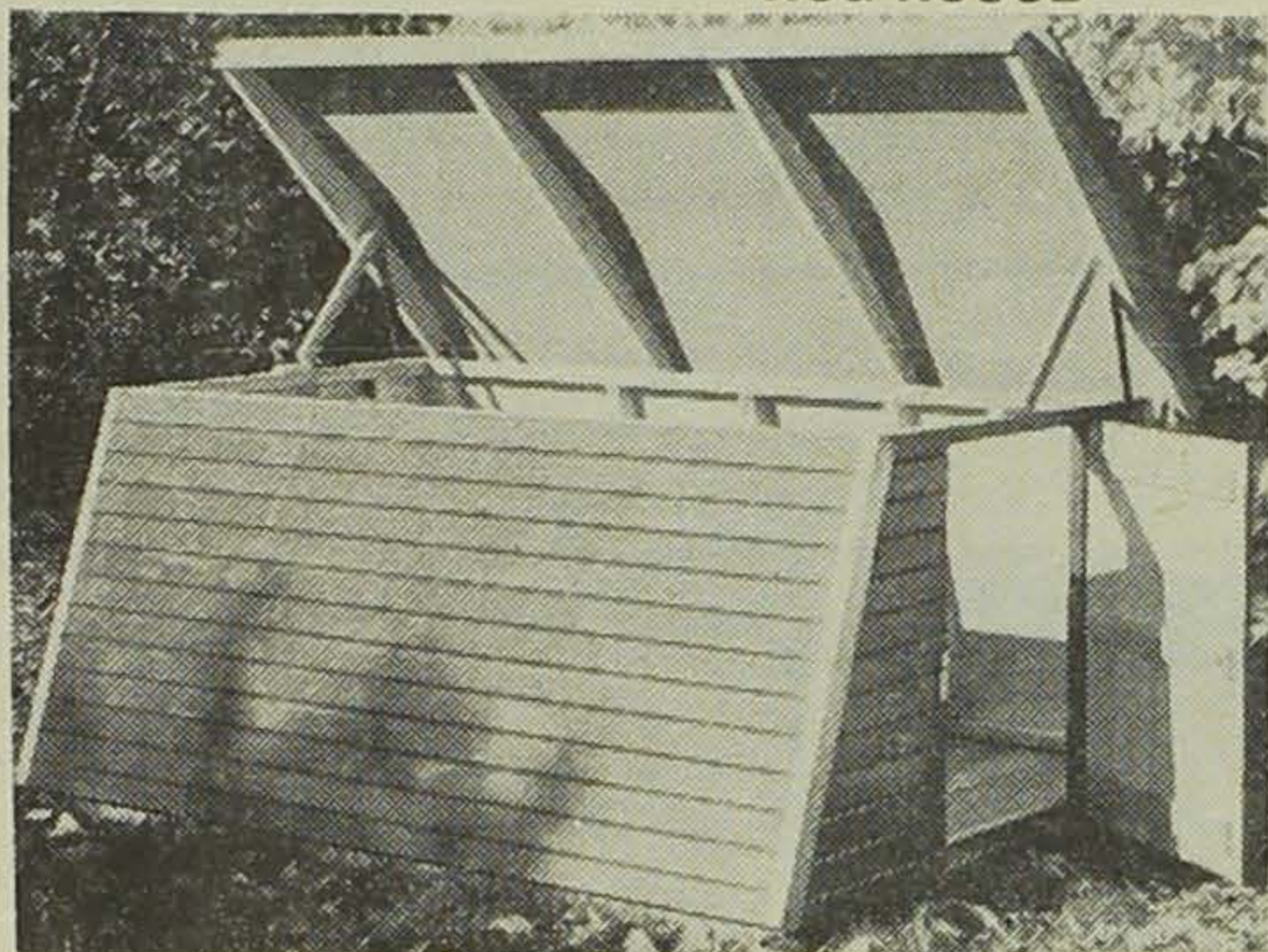
Plots within the same rows were used to reduce variables affecting the accuracy of the study. Sites were avoided if they had been manured within the last two years. The size of each plot was around a 100th of an acre.

The boundaries of the plots were marked by white flags. A white flag was placed along the end row for easy identification, showing where the plots were in the field.

Blue flags were placed along known locations bordering the corn field along the road. The distance from the plots to the fence was measured and recorded. In this way, the plots could be found again, and used for another year's study.

The results of this study should aid farmers in realizing the importance of conserving the topsoil which is essential for good plant production for future generations.

Actor John Barrymore's favorite pet was a vulture named Maloney.

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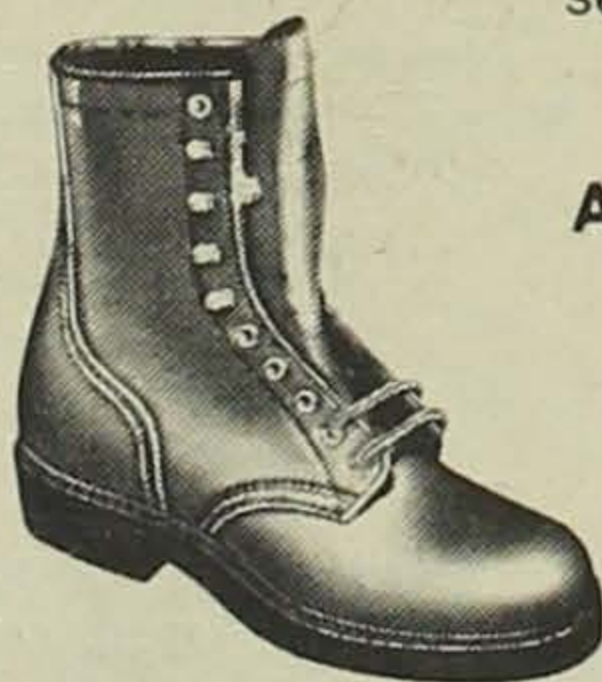
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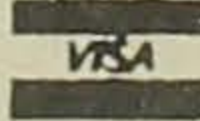
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ATLANTIC

\$38,000 Given County For ACP Projects

By Elaine Martnes, Director
Cass County ASCS

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

Each year the county program development group makes program recommendations for consideration by the state and national program development groups and assists the Cass County ASC Committee in developing the county program.

This group consists of the Cass County ASC Committee, county Extension agent, a representative of the Soil Conservation Service, the Soil Conservation District commissioners, Farmers Home Administration and the Forest Service.

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

\$38,000 Funding

For 1984, Cass County received \$38,000 for target area funding. This allocation is used to approve practices for the most critical soil erosion problems in the county.

An allocation of \$43,720 has also been received for annual ACP practices. These practices include permanent vegetation cover establishment or improvement, strip-cropping systems, terrace systems, diversions, field and farmstead windbreak restoration or establishment, ponds, dams, sod waterways, forest tree plantations, forest tree stand improvements and permanent wildlife habitat.

Another program is the National Acreage Conservation Reserve (ACR) special project. The object of the program is to coordinate commodity and conservation program objectives and to convert highly erodible cropland to permanent vegetative cover or forest tree plantations.

Eligibility

To be eligible, the producer must be enrolled in the 1984 Feed Grain Program and the acreage reserve acres must be eroding at a rate greater than twice the soil tolerance level.

The cost-share level is 90 percent on acres under the feed grain program. Additional acres to complete fields may be cost shared under the annual program. Sign up for this practice is until Feb. 24.

Any farmer whose land needs conservation work may file a cost sharing application. The committee will review the application and, if it is approved, cost share will be paid when the practice is completed according to specifications of the technical agency.

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

Personnel at the ASCS Office include Elaine Martnes, county executive director; Marilyn A. Smith; Sharon Boken; and Jamie Young, program assistants. The county committee includes Richard Follmann, chairman; Folmer Nelsen, vice chairman; and Robert McLaren, regular member.

STREET PEDDLERS
NEW YORK (AP) — Local governments, which once looked to street vendors to help energize downtown areas, say they are losing millions of dollars to some peddlers who take advantage of city services and under-report sales and earnings.

In Washington, for example, vendors paid an average of \$32 in sales tax last year, which would amount to annual sales of only \$513.

In New York, complaints that vendors create severe congestion and keep unsanitary conditions have surfaced recently.

The number of licensed vendors has grown substantially in many American cities. For one thing, vending is one of the few enterprises open to people of limited means.

How to keep the benefits while minimizing the drawbacks of street peddlers remains a problem for the cities.

OLD BRIDGE

WEST OSSIPPEE, N.H. (AP) — In his late wife's memory, Gordon Pope invested \$30,000 to restore the sagging but historic Whittier Covered Bridge that spans the Bearcamp River.

"Rather than build a monument, something useless, I thought it better to do something worthwhile, and putting a bridge in good condition seemed to be good for the state and the town,"

said Pope, a retired company president.

Nancy Pope died in 1982 of cancer at age 66.

The 147-foot bridge dates back to about 1870. In addition to Pope's money, friends chipped in \$15,000 and the state put up a matching grant of \$45,000.

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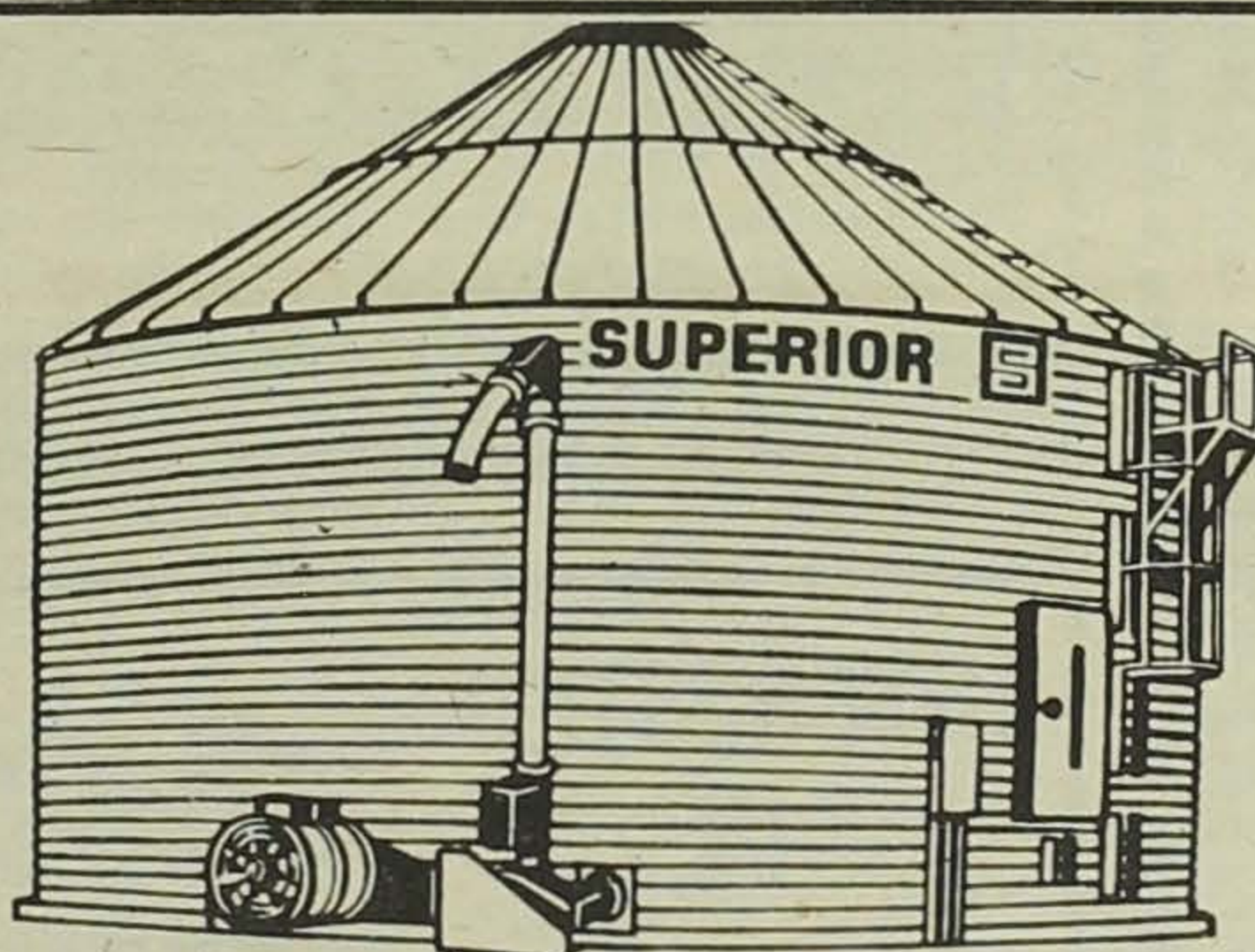
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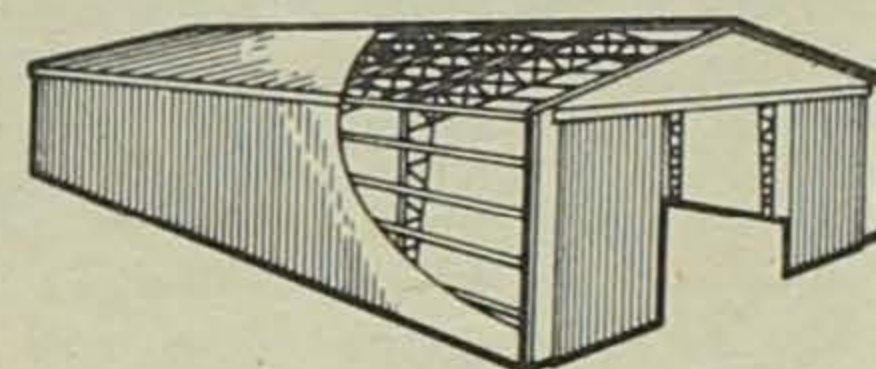
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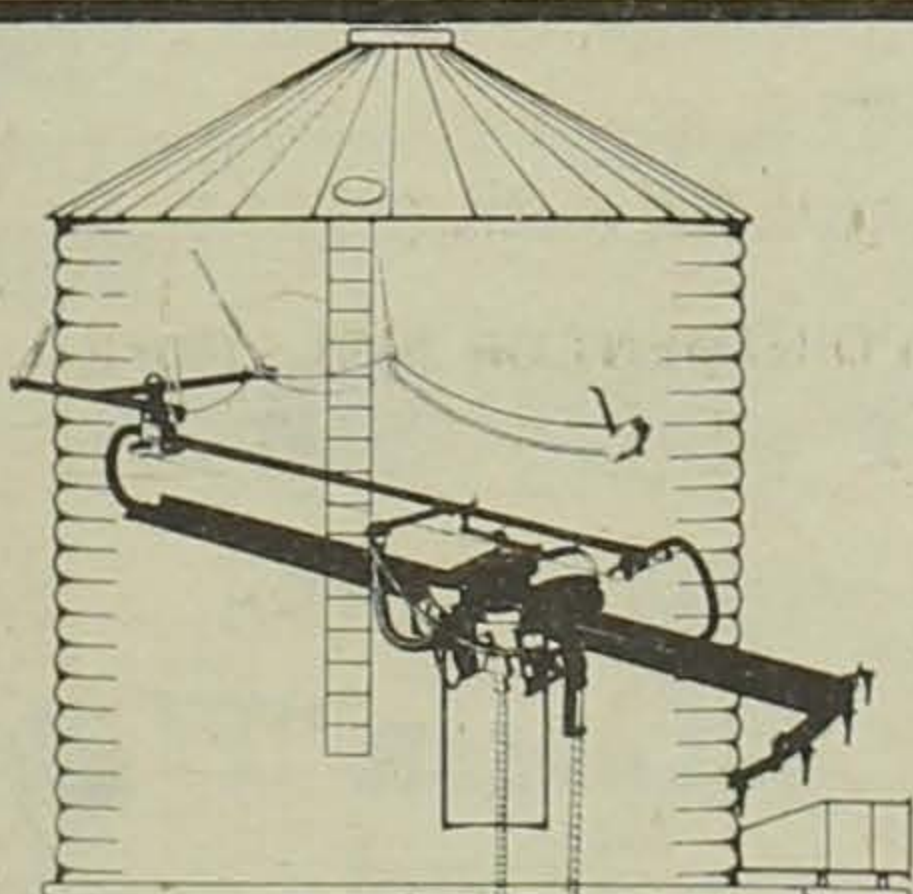
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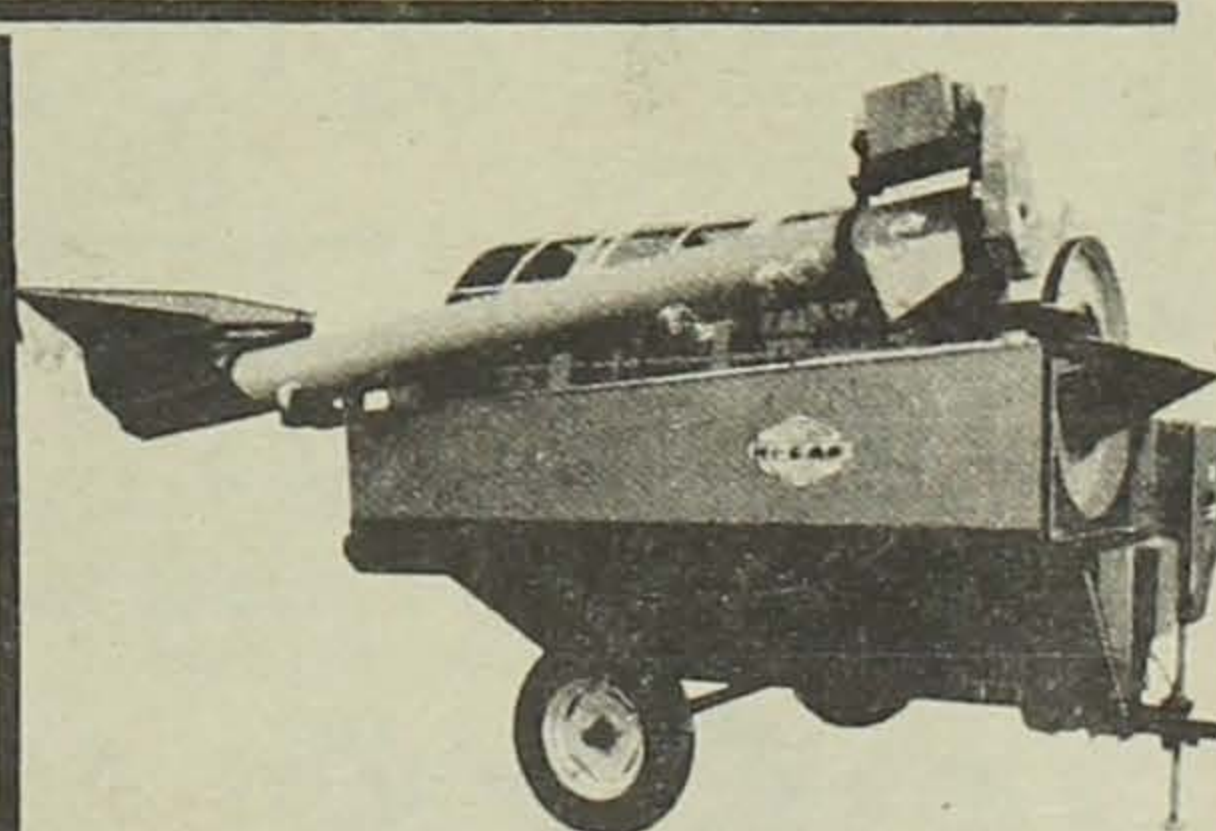
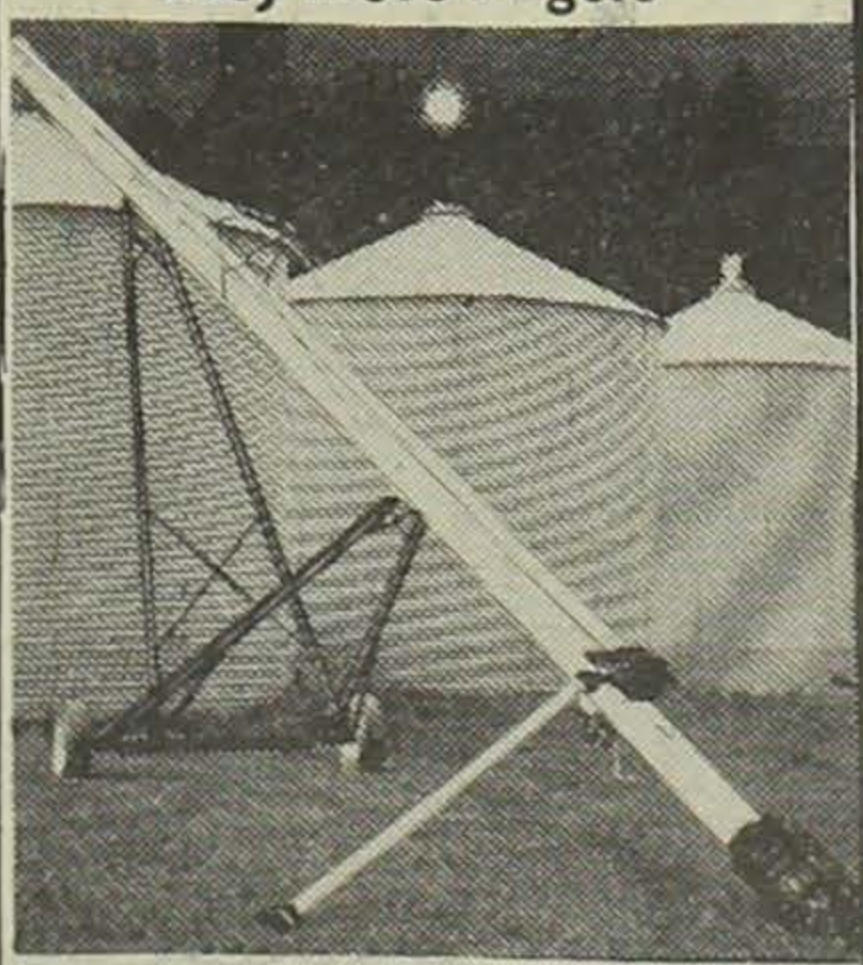
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MAIL

TOLEDO, Ohio (AP) — Lucile Hailman received her first Christmas card for 1983 in November.

Upon closer look, Mrs. Hailman found that the card from a grandniece in West Newton, Mass. was postmarked Dec. 15, 1981.

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\$2 Million Spent For Terrace Construction In 10 Years

Cass County farmers have built almost 1.4 million feet of terraces in the last 10 years. This accomplishment represents thousands of dollars in construction expense, and permanent erosion control on about 5,000 acres.

The trend in terrace construction is upland, with 1983 producing the greatest amount — 211,100 feet. The actual footage in each of the 10 years was:

Year	Foot Of Terraces
1974	59,050
1975	44,450
1976	104,250
1977	183,820

1978	115,570
1979	175,075
1980	148,410
1981	174,200
1982	169,770
1983	211,100

Total 1,385,695

Cost-Sharing Funds

Cost-sharing funds have helped to pay for close to 50 percent of the cost of building terraces throughout the 10-year period. The federal cost-share program, Agricultural Conservation Program, is administered by the Cass County Agricultural Conservation Stabilization Service office. The state cost-share program has been in existence since 1974 and is administered by the Soil Conservation District.

"The tile-outlet, parallel terrace concept has been responsible for the steady increase in terrace construction," remarks Bill Willis with SCS. "This type of terrace gives us excellent erosion control with the greatest degree of farmability."

\$1.74 Per Foot

The average cost to build tile outlet terraces was \$1 per foot in 1974. In 1983, this cost increased to \$1.74 per foot. These costs include all the necessary components of construction — earthwork, tile, intakes, and seeding of the backslopes.

"It would be safe to say that more than \$2 million has been invested in terraces in Cass County in the past 10 years," Willis related.

"The terraces built in the last 10 years are in addition to all the others built since the district started in 1942," observes G.M. Baier, district chairman.

"These terraces need to be kept up in shape, and especially after damaging rains. Well-maintained terraces will last indefinitely, and that is the key to good soil erosion control on our cropland."

50 Years Of Soil Conservation Work

By Steven C. Stover
Area Conservationist
Council Bluffs

Few people remember the creation of soil conservation in this country. Or do they? I would bet that many remember the depression and the great "dust storms."

This is really when soil conservation programs began. The public was becoming more and more concerned over the deterioration of our most important resource — our soil.

In August 1933 the Soil Erosion Service was created. Hugh Hammond Bennett, soil scientist and crusader for soil conservation, was named to head the new agency.

The Civilian Conservation Corps was established and immediately began projects to curb erosion. Trees were planted to control erosion by wind and water. Terraces and erosion control dams were built to demonstrate how erosion could be harnessed.

Yet, in April 1935 things had gotten worse. Dust clouds over Washington, D.C., dimmed the sun. Dust from the Midwest was making headlines on the East Coast. Congress on April 27, 1935, enacted the first conservation public law and renamed the Soil Erosion Service, the Soil Conservation Service.

Slowly at first, then with the zeal of a revivalist, the conservation movement picked up speed. State laws were rapidly developed creating soil conservation districts in nearly every state in the nation.

50 Years Later

Today, soil conservation districts have been formed in nearly every county. Neighboring districts work together through their state and the National Association of Conservation Districts to continually promote the wise use of all of our natural resources. The country has made major strides in controlling erosion, but it is

minute, when compared with the total job needed.

Contour farming, terraces, waterways, erosion control and flood prevention dams are common sites as we drive down Iowa roads. However, the eroded hill sides and disappearing topsoil are most often noted. We have only completed 40 percent of the work needed to control soil erosion.



Steve Stover

Technical Assistance

The Soil Conservation Service is the "technical arm" helping districts carry out conservation programs. The agency provides leadership in planning and applying conservation practices with farmers and units of government.

Basic to this service is conducting soil surveys nationwide. In the late 1980s every Iowa county will have been mapped. This soils information is provided free to landowners, users and developers. It is a "must" for proper use of the nation's soil resources.

Conservation progress was good in southwest Iowa. More landowners were contacted, conservation plans developed and practices installed than in many years. This is a good indication of the concerns farmers have in protecting their resources from erosion.

More than 580 miles of terraces were built in this 11-county area. This is an increase of 100 miles more than in 1982. yet, this protected less than 12,000 acres of the 1.2 million acres needing land treatment.

Conservation Tillage

Both conservation tillage and no-till cropping systems are rapidly increasing. Generally farmers using till plant and no-till have doubled, along with the acres planted since 1981.

Last year 753 farmers used till plant an no-till on 68,713 acres in the 11-county area. Conservation tillage has continued to increase with chisels and disks and main implements used.

Zeroing In On Erosion

Sixteen counties in Southwest Iowa in 1980 were targeted for increased conservation staffing and programs. This was a result of the exceptionally high erosion occurring in this part of the nation. Additional staff was hired and added cost share assistance was provided through the Agriculture Conservation Program, Iowa Department of Soil Conservation and local county government. The conservation emphasis continues to heighten and the public interest is definitely there to do even a better job of erosion control.

Soil erosion from wind and water in the United States amounts to 6.5 million tons a year, including 5.3 million tons from agriculture lands. Coming closer to home, the Mississippi River carries enough soil past Memphis, Tenn., every hour to cover 40 acres of land to a depth of six inches. Only you know how much of that is yours in the Missouri or Mississippi rivers.

Yes, our job is far from complete. Only if we continually work together can we control this monster — erosion.

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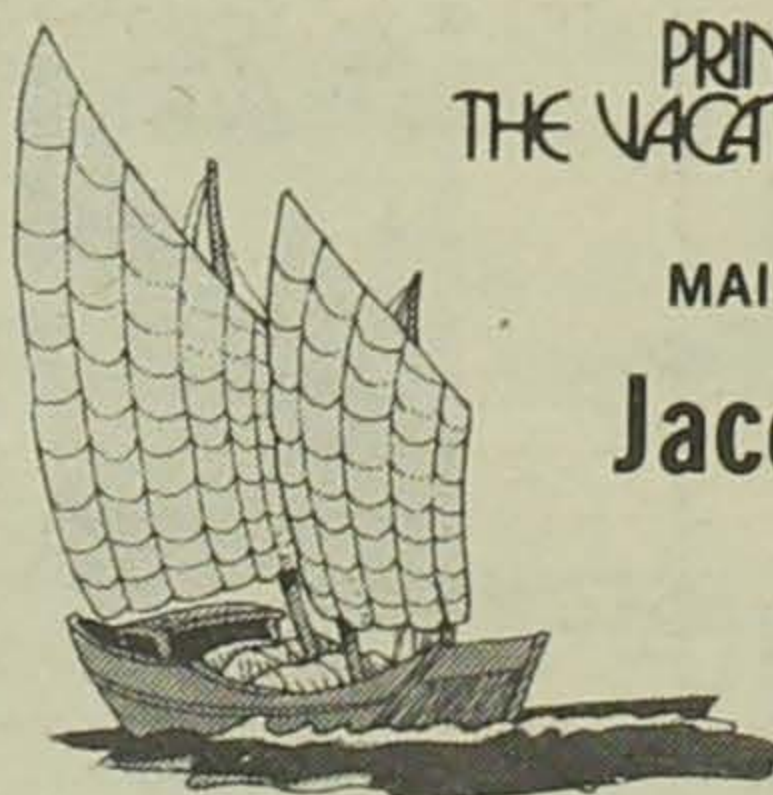
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40 Years Ago With Company K

By Gene Mallette of Atlantic

Our first day in Italy had been a rather strenuous one since we had marched about 11 miles from the docks in Naples to College Caino, the former German and Italian military college, with full field equipment.

After arriving there about 11 p.m., we were told to stay outside until the "sappers" (engineers that were trained for locating and the removal of mines and booby-traps) went over the buildings, so we sat down and put our equipment down on the ground.

Since there was nothing to do while we waited there in the dark, many of us took out our raincoats and wrapped them around us to keep warm, then we made ourselves as comfortable as possible and went to sleep until we got some further orders.

Sometime later, I was not sure just how much later, they woke us and told us we could move inside. It was much warmer inside, but it was very dark, so I felt around and found some straw and made a softer bed from that for the rest of the night.

Cleanup Job

The next day was a grey rainy day and we were glad to have a roof over our heads. As we looked around we saw that the Germans had blown a number of the room partitions and most of the windows. Since we had nothing to do but wait for orders and transportation we went to work in cleaning up the building.

Our second day we spent in cleanup detail also, that night we had a "show" when "Jerry" (the German air force) came over Naples about midnight to "lay eggs" (bomb the city).

We were just far enough from Naples to get a good view of the bomb blasts and all of the ack-ack fire. It seemed to be a bad night since the guards on duty appeared to be very jumpy and every little while a shot or two would be fired close by. We were happy to have brick walls on four sides of us with so much shooting going on around us.

We spent six days at the military college. On short marches that we made while there, we were able to see a little of the country side and we also noticed that the college buildings had been painted to camouflage them. When we would get over a half mile away, we were hardly able to see the buildings at all.

It was the best job of camouflage I had ever seen. They had painted trees and scenery and even the picture of a farmhouse on the building sides.

We like the view that we had from College Caino which was located on the outskirts of the

village of Bagnoli which had been a steel making center before it was bombed.

Pretty View

The countryside sloped down to the west and only a few miles farther to the west we could see the Adriatic Sea and some small islands that lay close in to the shore line, and in spite of the war around us, it was a pretty view.

So, after six not so very hard days, we moved on to the rest of the signal company which was already up at the front lines, and we looked up our buddies that we had not seen in over two weeks.

We found, after talking with them, that they had landed at Salerno beaches since they had come ashore several days before we did. I found out where Doc Alliband had his tent pitched so that I could put mine close by, then after I found some straw to put in the bottom of my tent I unrolled my blanket and I was at "home."

Again we were at the grim business of fighting a war, and just to remind us of this we could hear artillery fire most of the time day or night. This phase of the war was going to be different for me since I was no longer in the infantry, but in the signal corps, and we would probably not be any closer than six or eight miles to the front lines.

New Platoon

Just before we left North Africa, there was a new RI

platoon (radio intercept) organized and I was assigned to that unit as a radio intercept operator, although at that time I did not even know the difference between an AM and Fm nor did I know the uses for them.

When I arrived there at the forward unit, they had three trucks built up and enclosed for the use of the intercept operators and were already on a limited operating schedule, but now that all men were there they immediately started operating the clock around.

Each man would operate his radio set six out of each 18 hours and we would just have to catch some sleep when not on duty. At meal time the next man to come on duty on our radio set would take over for a few minutes while we ate. I thought that this was great, with a tent to sleep in most of the time, hot meals to eat and a clean shirt to put on!

Some of the fellows did not like this arrangement at all and they let it be known just a little too much for me, then I told them what it was like to be on the front lines and they would quiet down.

When the subject would come up again I would just say: "I wonder how the boys up on the front are getting along today?" I didn't have to say any more than just that and they got the idea very soon.

METERED MAIL

STAMFORD, Conn. (AP) — Some 85 percent of all U.S. mail is business mail and almost all of this is metered, according to Pitney Bowes, a maker of

mailroom equipment.

A. Dudley Johnson, a firm spokesman, estimates that 2 million postage meters are now in use in more than 100 countries.

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in the United States. West Germany is next in usage with 220,637 (11 percent), followed by France with 154,420 (8 percent), the United Kingdom with 131,860 (7 percent) and Canada with 116,027 (6 percent).



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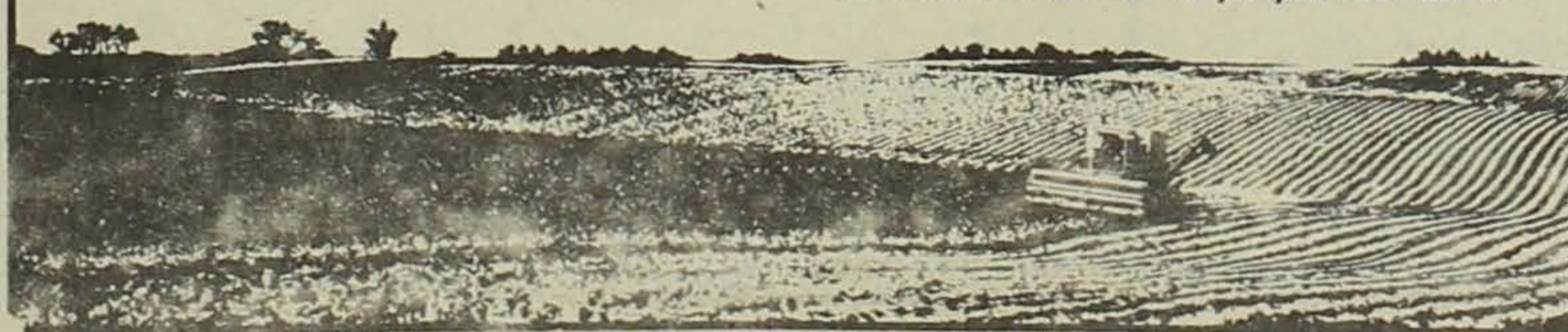
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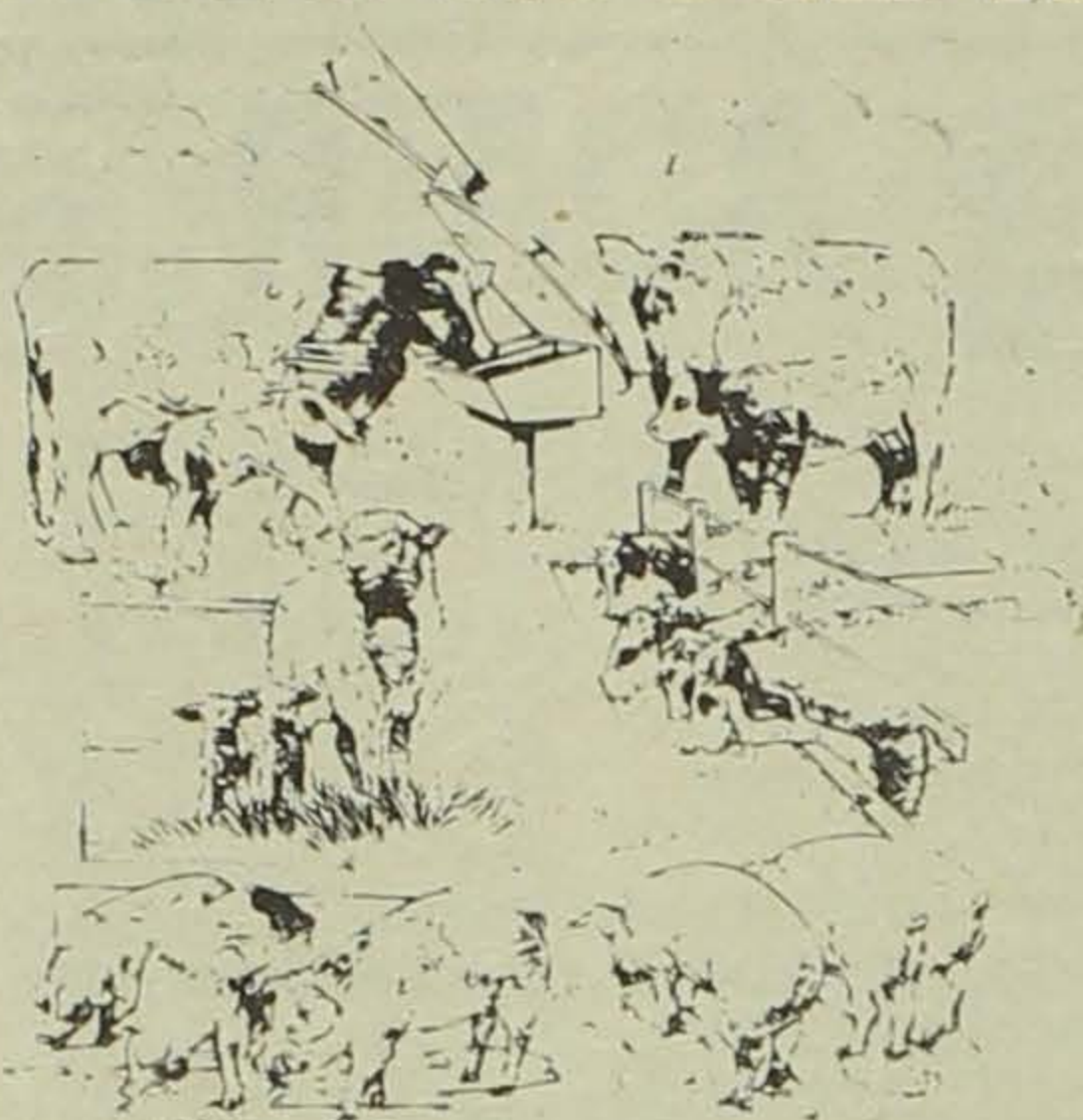


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Soil Conservation — A Management Decision

By JAMES B. GULLIFORD,
Director
Iowa Department of Soil
Conservation



James Gulliford

Efforts on the part of Iowa's soil conservation districts, and the state and federal soil conservation agencies that support them, have never been greater.

Yet, erosion persists as much today as in the past. More than two-thirds of our state's cropland is eroding at a rate greater than the soil regenerates itself. The reason for this continuing erosion are both obvious and obscure; managerial as well as physical.

Erosion Problem

The erosion problem we face is dynamic in nature due to the many forces that influence it. Physical factors including slope steepness, slope length, and rainfall intensity govern the amount of erosion that occurs based on the amount of vegetative or residue cover that protects the soil.

The balance of all these factors is the result of the agricultural management used by the farmer.

Agricultural management is more than choosing seed varieties, planting dates, equipment purchases, and other farm decisions. It should include conscious soil conservation decisions as well.

Row-Cropping

As crop rotations are chosen, consideration should be given to the impact that intensive row-cropping has on soil erosion.

As farm equipment is purchased, consideration should be given to adopting conservation tillage systems that hold down farm costs and save soil.

As fields are laid out for planting, consideration should be given to planting on the contour and leaving grassed headlands, waterways, and buffer strips.

The cost of acres lost from crop production is not nearly so great as is the benefit of reduced erosion.

The Iowa farmer continues to be the best farm manager and crop producer in the world. The management skills that farmers have allow them to deal with erosion at the same time that they produce crops.

Our soil conservation districts are committed to helping the farmer in this regard.

Program

Districts across Iowa have initiated the Iowa Soil 2000 program and are beginning to contact their farmers through development and distribution of conservation folders.

These conservation folders contain information that describes both the nature of erosion occurring on each farm and the production and yield consequences that sustained erosion causes.

The folders also offer alternatives to treat erosion and offer the services of the soil conservation district in developing conservation management systems to control erosion. In years to come, all farmers can expect to receive this information.

Funds Available

The Department of Soil Conservation, through soil conservation districts, also continues to be committed to provide financial incentives to assist farmers who need permanent soil conservation practices to solve their erosion problems.

The Department's cost-share program is funded at an all-time high, and now is complemented by a no-interest loan program to assist low net worth farmers.

Details of these programs can be received by contacting a county soil conservation office.

Our efforts to address erosion problems are great. We look forward to 1984 as a milestone year toward initiating new and sustained effort toward helping farmers meet their soil conservation needs.

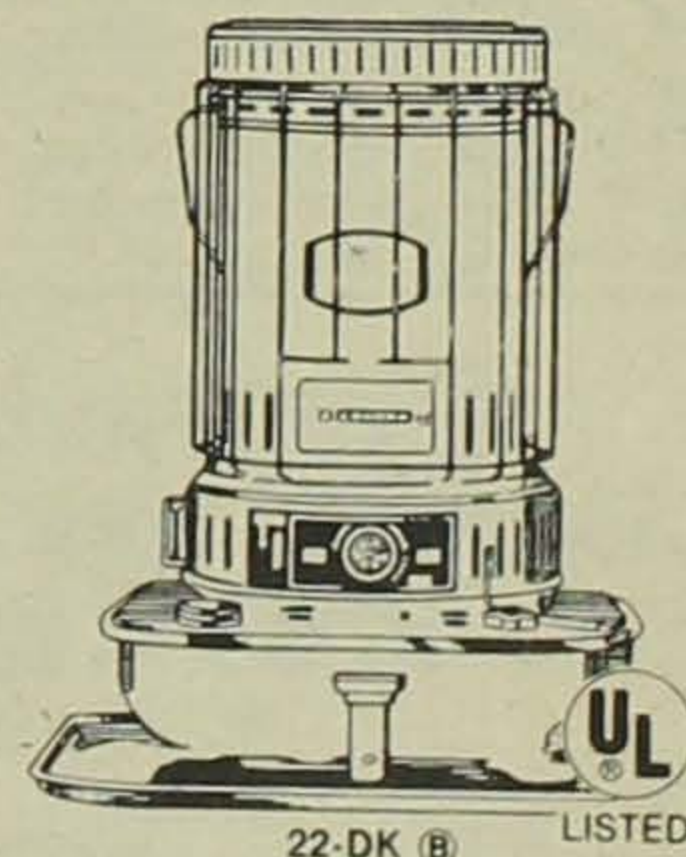
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Two Cass Farmers Like Results Of No-Till Project

Virgil Sanny and Bob Sothman are Cass County farmers who have tried no-till with very good success. In fact, about 58 farmers tried no-till last year on over 5,000 acres to reduce erosion and cut production costs, the Cass County Soil Conservation District reports.

Sanny tried no-till for the first time in 1983.

"All of our corn, except sod ground, has been minimum tilled for over 10 years. Although we feel we have had excellent erosion control with the minimum tillage combined with strip cropping on steeper slopes, we wanted to try no-till in an effort to cut down on field preparation time and money spent on fuel.

On May 10 we no-tilled 32 acres and had it sprayed with liquid fertilizer. Because of some problem weeds we had to follow up with atrazine and oil rather than cultivation. The yield was 110 bushels per acre," Sanny reports.

Sothman tried no-till corn on 100 acres of corn and bean stubble.

"After planting April 28 and 29, I used a liquid nitrogen combination. Even with the extreme wet weather, I had good grass control but experienced some problems with buttonweed that required spraying.

"Even with the extreme dry, hot summer, the corn hung in there good and out-yielded my conventional planted acres by a

strong 15 bushels per acre.

"I think no-till requires a bit more management, but I would recommend giving it a try on a limited basis to see if it fits into your operation. I think the big savings lies in lower cost of smaller equipment, plus fuel savings.

"I plan to increase my acres for 1984, as I believe it will fit in well on PIK (Payment In Kind Program) ground. It definitely helped cut down on soil erosion with the extreme rains we had early in the season. I believe we need to be more concerned about conservation of our soil and be better stewards of our land," Sothman commented.

No-till planting of corn, soybeans or grain sorghum into last year's residue without any additional tillage saves soil, reduces compaction, saves fuel, and saves time. While no-till is increasing in Cass County, more farmers, each year, are looking to no-till, statewide, to help cut erosion losses and trim production costs, the service said.

Army Adventures

By Chester Larson
Of Griswold

A fashionable hotel had been requisitioned as our billet and base of operations. It was after 2 p.m. when we arrived. The first thing we had to do was set up our equipment and cook a hot dinner for a hundred and some weary travelers.

This hotel was a first-class inn, with running water in every room and an outside balcony overlooking the beach. The lobby and recreation room served as headquarters. The hotel kitchen and dining room in the walk-out basement served us in the same capacity.

Some 40 rooms on the upper floors, with three men to a room, were sleeping quarters and home to our whole company.

As a resort city Juan Les Pins was newer and much nicer than towns away from the beach. The palm trees were blowing in the breeze and tropical green. Christmas is the season of Noel

in France.

Our special services men began decorating for the holidays, and they were quite elaborate for the Army in time of war. A dance was scheduled, and it proved to be quite a big affair.

Friendly Girls

Most of the natives, but especially the girls, were very friendly. Most of them could speak English brokenly, but better than we could speak French. I had learned, perhaps, 50 French words, but that wasn't enough. They said we talked so funny, and so fast. I said the same about them.

Few servicemen had been there before us, and we were looked up to as liberators of France from the Germans. We met girls there, and at nearby Antibes, that we may never forget.

It was at Antibes that the Prince of Wales and Wally Simpson first met and he later gave up the crown to marry.

I met two girls and their parents, originally from Norway, who had the same name as some of my ancestors. It is quite possible they were distant cousins of mine. They considered me a cousin when I

told them about it. I have pictures of them, and many others, which I took during our four-week stay on The Riviera.

New York State, which ranks second only to California in population, ranks 30th in size among the 50 states. According to the Rand McNally "Road Atlas," New York covers 47,831 square miles. California, by contrast, has an area of 156,361 square miles.

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Average No-Till Corn Yield At 102 Bushels

By Bill Willis
Cass County Soil
Conservationist

The average no-till corn yield in Cass County in 1983 was 102 bushels per acre. The average no-till soybean yield was 38.5 bushels per acre.

This information was gained from no-till farmers who responded to a questionnaire from the Cass County Soil Conservation District.

Nearly all the farmers reported their no-till corn showed less moisture stress during the extremely dry growing season last year. Many farmers also reported better yields with no-till, than with conventional tillage systems.

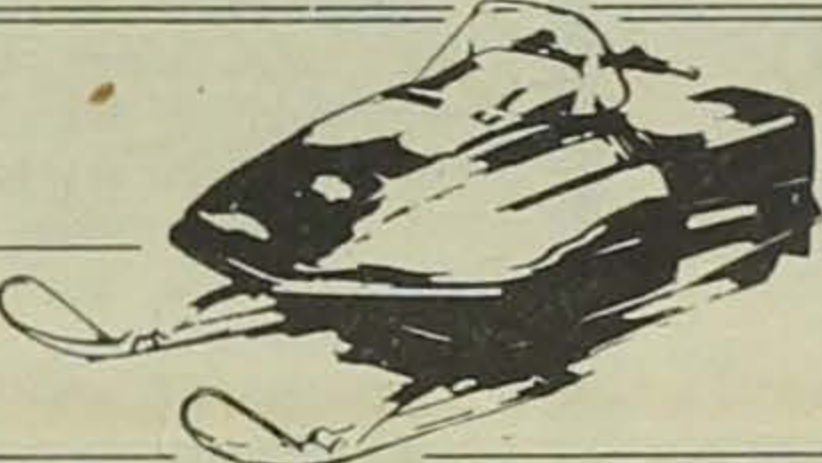
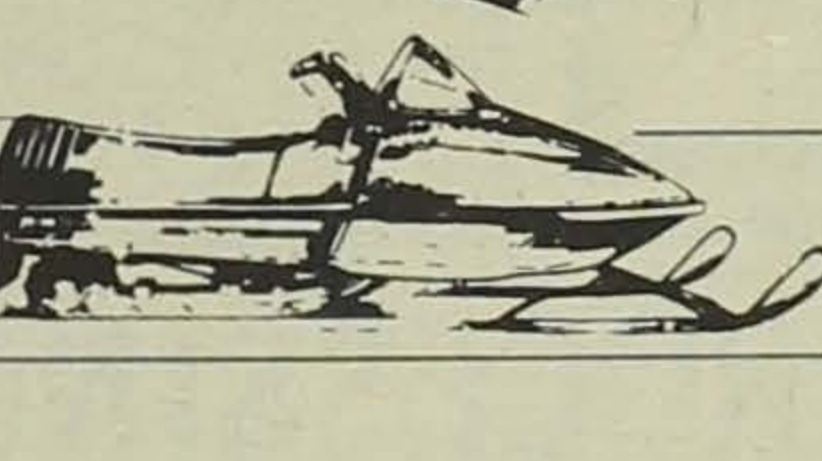
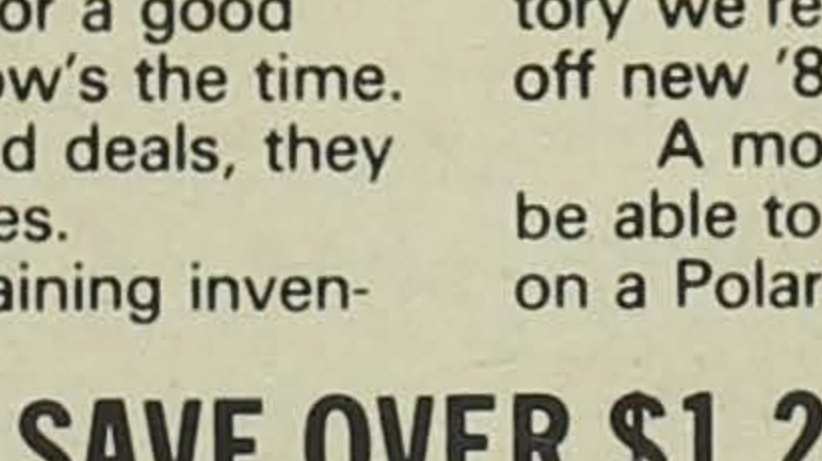
"The moisture conservation aspect of no-till has been talked about for years," comments Bill Willis, conservationist with the SCS. "Last year was a dry year and the nearly 5,000 acres of no-till proved this point real well. With no-till you don't lose all the moisture like you do when you plow, chisel or disk."

Fifty-eight Cass County farmers planted no-till corn or beans last year or nearly 5,000 acres. This compares to about 30 farmers with 2,500 acres planted in 1982.

"We foresee a continual increase in no-till acres in the future as more farmers see the erosion control and moisture conservation and cost-savings benefits of no-till," adds G.M. Baier, SCS chairman.

No-till corn yields were reported as high as 140 bushels per acre with a large number yielding 95-105 bushels per acre. Several farmers felt their no-till ground did not dry out as fast and resulted in yield increases of 20-25 bushels per acre compared to conventionally planted corn.

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MOTHERS

WASHINGTON (AP) — Unlike World War II postwar brides, women of the "baby boom" generation are often postponing having children.

In addition to becoming mothers later in life, they also expect to have fewer children, the council reports, and more of them — nearly 12 percent — say they expect to have no children at all.

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Conservation Plans For 3,291 Acres

Cass County farmers and landowners developed basic conservation plans on 3,291 acres of land in 1983, reports R. Elmer Ouderkerk Jr., soil conservationist with the Cass County Soil Conservation Service Office.

Each individual farming enterprise is somewhat different and no two farms are exactly the same. Even fields within the same farm are often quite different, according to Ouderkerk.

To bring some soil losses to within tolerable limits might only involve some changes in cultural practices such as increasing the percent of crop residues left on the soil surface, while others might require a much more complex management system, and land treatment including terraces, rotation changes, or strip-cropping of control. In some cases, land use changes are needed to control erosion.

Purpose

The purpose of the basic conservation plan is to provide inventories, evaluations, and alternatives to farmers and to others who control and influence land use, land treatment, and land management.

This is done in order that they can then make knowledgeable decisions and schedule application of conservation measures to the land at a rate within their management level and economic means.

The plan is a written record of their decisions and their schedule for the conservation work required might take from four to ten years depending largely upon the amount of funds available.

Soil loss information is used to identify present conditions, conservation alternatives, and to serve as an aid to the landuser in deciding on the resource management system to be implemented.

Review

All newly-developed basic conservation plans are reviewed with the Cass County Soil Conservation District commissioners. This board is the governing body of the district who administer the state cost-

share funds allocated to the district.

Their awareness of the conservation needs within a plan is very important, especially when cost-share assistance funds are required. All landowners and farmers of Cass County are encouraged by the district commissioners to develop basic conservation plans with technical assistance from the SCS staff, headed by Bill Willis, district conservationist.

Conservation Planning Up 341 Percent

By Lyle C. Peterson
Resource Conservationist
Council Bluffs

Conservation planning has increased 341 percent in Council Bluffs Area IV from 1981 to 1983. This increase parallels the designation of nine districts as part of the Western Iowa Target Area.

The increase from 41,200 acres to 140,800 acres indicates that many more landusers are aware of the conservation needs on the land they farm. This awareness is brought about by the conservation plan which is designed to show conservation needs and practical solutions to them.

The plan describes the landuser's objectives for the acres being planned which are sometimes very clear cut, showing production and soil saving goals.

The plan also provides an inventory of the basic resources of the farm which include the different soils and critical management areas.

The inventory is used to help the conservationist and landuser evaluate the farm problem.

This evaluation provides the background that enables the landuser to make decisions about the conservation program needed on the farm.

If the landuser's decisions do not bring soil loss to a tolerable level, the conservationist provides alternative suggestions that show how soil losses can be controlled.

When all of this has been accomplished a written record of the plan is developed and a copy is provided to the landuser. This document becomes the basis of developing a timetable to accomplish conservation work.

In the years following development of the plan, it is used to provide a background for re-evaluation and as a method of measure conservation progress.

In general terms, the conservation plan is a basic blueprint of conservation to be used on any particular parcel of land.

As I pointed out, SCS and landusers developed land treatment blueprints on about 3½ times as many acres in 1983 as in 1981. This increase was achieved through the dedication of your local office staff and concerned landusers, who wish to preserve your precious soil for future generations to come.

RC&D Program Under Way In Southwest Iowa

By Richard Bolli, Coordinator
Golden Hills RC&D Project
Oakland, Iowa

Fiscal year 1983 has seen the Rural Conservation and Development Program get its feet on the ground and under way. The area plan was completed and accepted by the Soil Conservation Service, thereby assuring the continuation of USDA assistance for the Golden Hills RC&D.

The executive board helped organize the Iowa League of RC&Ds which represents the six RC&Ds in the state.

G.M. Baier of Atlantic is on the league board. This organization is a member of the North Central Association of RC&Ds which helps guide the program at the national level.

The Golden Hills demonstration tillage plots were continued for the sixth year. One new item was added. It is a collection of soil samples to determine what is happening with the fertility at different levels in the soil.

Samples were taken at the one-inch level, two-inch level and then at two-inch increments to one foot of depth.

The slide set explaining the results of the plots is available for anyone that would like to use them. Hand-outs are available to provide further information.

Planning for the Massena multipurpose structure is under way. A schedule has been developed to guide the planning. Several items for the planning have been collected. Participation and interest shown by the local people have been very instrumental in keeping this planning effort moving along.

Development of a market for alfalfa in the Massena area has been the main thrust of a group of business men and farmers. The initial interest was in the installation of an alfalfa dehydration plant. It was determined that the large investment and high risk of this enterprise makes it less desirable than they would like.

The present efforts are going into an investigation of the potential for a market of baled alfalfa hay. Meetings will be held during the winter to determine the interest in this enterprise.

Development of a market would provide an opportunity for a cash crop other than corn and soybeans. This would help reduce erosion.

METRIC CONVERSION

WASHINGTON (AP) — The U.S. Metric Board, established in 1975 to help convert consumers to the metric system, was downgraded in 1983 and renamed the Office of Metric Programs in response to consumer resistance.

From an operating budget of \$2.7 million in 1982, the office now receives only \$300,000.

The new philosophy, says the head of the agency, is that when the country is ready for a conversion to the metric system, it will convert.

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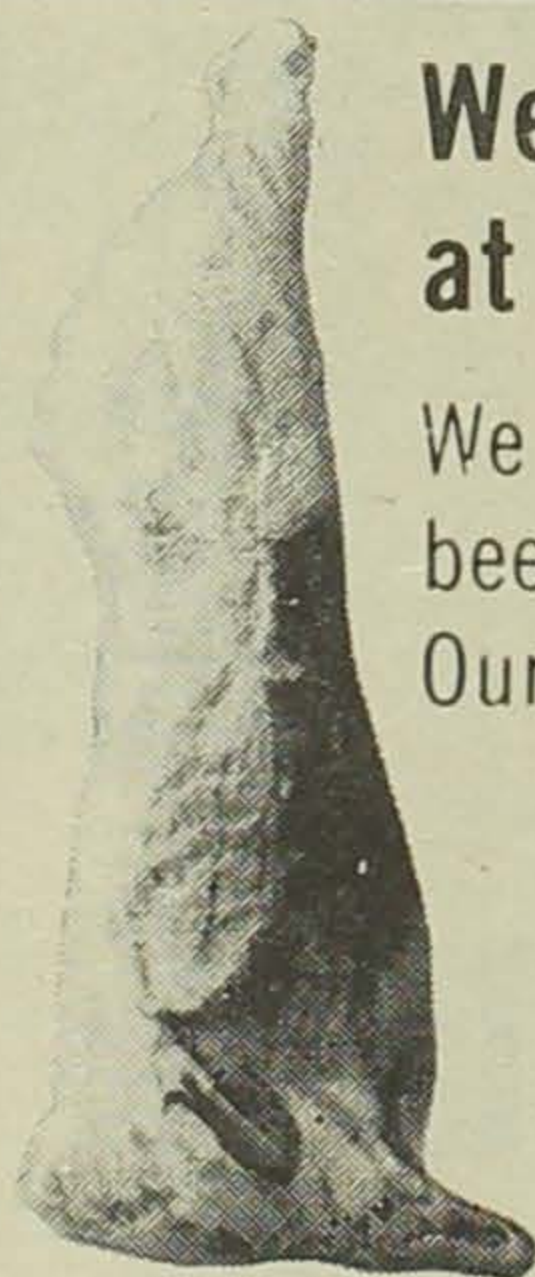
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Promote Life in the Soil, Don't Destroy It!

Farm Monthly Book News

By Grace Rasmussen
Of Manilla

There is one more day this year for reading, isn't there? This is good for there are many many worthwhile books coming out to make reading worth our precious time.

No. 1 on the list is "Chief Joseph of the Nez Perce" by Robert Penn Warren. The 79-year-old writer Warren has a vast amount of writing to his credit along with the same amount of recognition.

From his 37 publications of poetry, fiction and plays, he has been awarded Pulitzer prizes, the Edna St. Vincent Millay prize for poetry in American and many others.

Rewarding

Since I am guilty of being like the three monkeys, see no, hear no, speak no evil, when it pertains to our Indian situation, it was with qualms, that I began to read the book-long poem concerning what was obviously more about our brackish treatment of the native Americans.

However, it was most rewarding as I found it to be a cleansing healing balm to a festering part of our history.

A factual account, yes, but with great oversight and insight, too! It is a 64-page paperback from Random House. It should run under \$6, though.

Required

I'm prone to be generous with my advice for required reading for students. This would fit in so well with any early American history class.

In March, English author Jean Ure's most recent book will be arriving. It is published by Delacorte Press for \$13.95. It is one that all boys should be interested in as 16-year old Jamie has the rotten luck to be drafted into helping his sister at her big dance recital which interferes with his baseball practice. We are told that the young man learns "to balance his blessings."

Travel

This is supposedly the year of

travel and Meadowbrook has a complete line of information for you. There are four paperbacks divided into the several regions of the United States. Such items as scenic wonders, campsites and trails for hiking are included, along with where there are covered bridges, ghost towns and historical architectural sites. These sell for \$3.95 each.

For \$4.95 there is the old reliable "Best European Travel Tips" by John Whitman, who tells us how to avoid tourist traps and how to avoid mistakes in currency exchanges, how to get your travel documents and, best of all, how to beat the no-vacancy sign at a hotel. In addition to being full of vital information it is a collection of witty, wacky and wonderful advice.

Cameras

If you received a camera for Christmas, Watson-Guptill Publications have a mind-boggling selection for you. Most of them are in paper and run from \$9.95 to \$24.95. My choice was "Total Photography" by Andreas Feininger for \$14.95 which stresses your role in picture taking more than how to manage the technical aspects of the camera.

Blacksmith Shop Busy Place

By Chester Larson
Of Griswold

Almost every small town in long years past had a blacksmith shop. They were a necessary tradesman of that day.

Plow shares had to be sharpened, horses had to be shod, mower sickles sharpened, machinery repaired, and hardware items not locally available were often hammered out.

Few farmers had shops and tools of their own to do welding and repair. The village blacksmith was the place to go.

He was very busy during the spring season and several other months of the year. The floor was piled high with plowshares to heat and hammer out. The

big brick and iron forge and air bellows, fueled with coal furnished the red hot heat needed to soften the hard iron to the pounding stage.

The poem, "The Village Blacksmith," reads: "The smith a mighty man was he, with long and sinewy arms."

The blacksmith at Grant for many years was Earl Courcier. He wasn't a large man, but he had sinewy arms.

When I was in high school, I rode my horse by Earl's shop, and he seemed to always be hard at work.

I remember taking my horse in to be shod for ice in the winter. It was a simple procedure for him to heat and bend horseshoes to fit, and nail them on the horse's hoof.

People sometimes complained of paying a few dollars for a few minutes work. In those days a five or ten-dollar bill was hard to come by.

A typical blacksmith shop was a small unpainted building with a large front door, and probably a dirt floor, away from the center of town.

A leather apron and heavy leather gloves, along with a dirty cap was standard wearing apparel. Long heavy tongs and

other tools hung handy to his forge and anvil.

A big post drill turned by hand stood nearby, as well as other mechanical devices for varied kinds of work.

As a boy I had dreams of work I would like to do, but being a village blacksmith was not one of them. The modern welding shop now takes care of these jobs in a very satisfactory way and less hard work.

In 1813, an American flotilla defeated British ships in the Battle of Lake Erie, which gave the Americans command of the lake.

FACTS OF LIFE
LEICESTER, England (AP) — "People take for granted the miracle of human development and few understand how rapidly an embryo develops from the moment of conception," says Dr. Marjorie England, British embryologist and author.

In her book, "The Color Atlas of Life Before Birth," she says a human embryo's face is already beginning to form by day 32, by the eighth week all basic body systems have been laid down, by the ninth week the sex of the baby can be determined, and by week 10 the fingernails have formed.



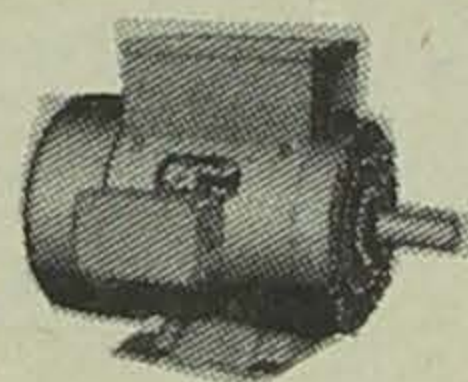
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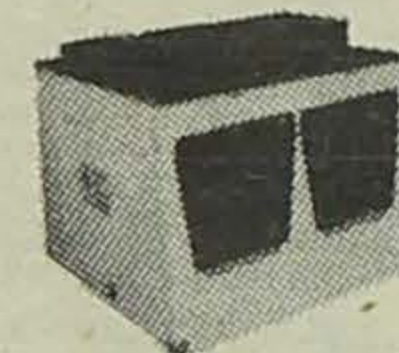
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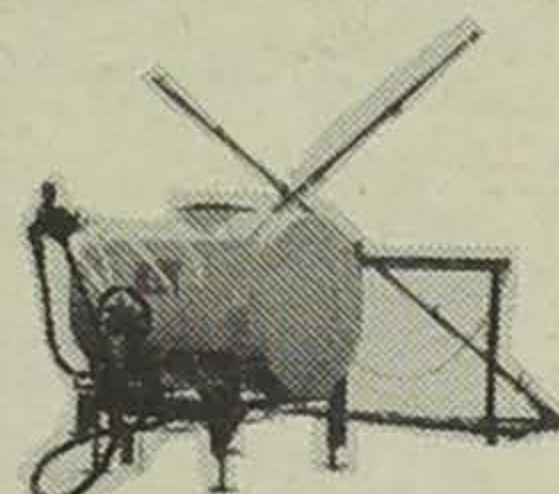


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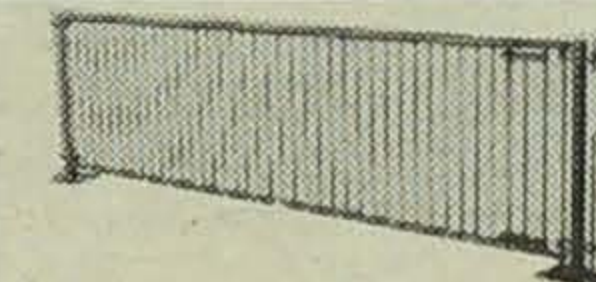
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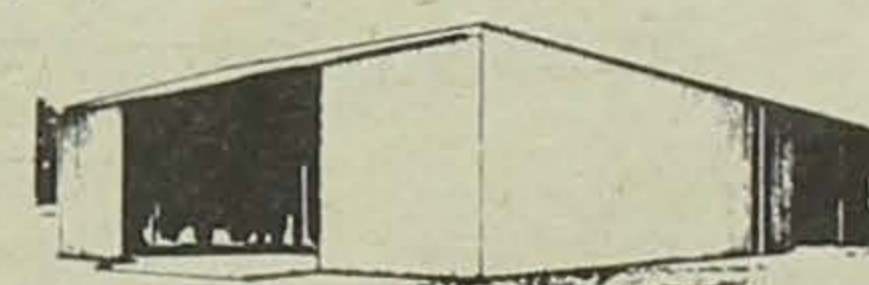
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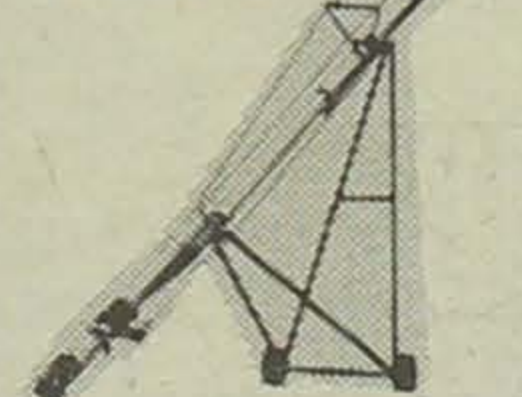
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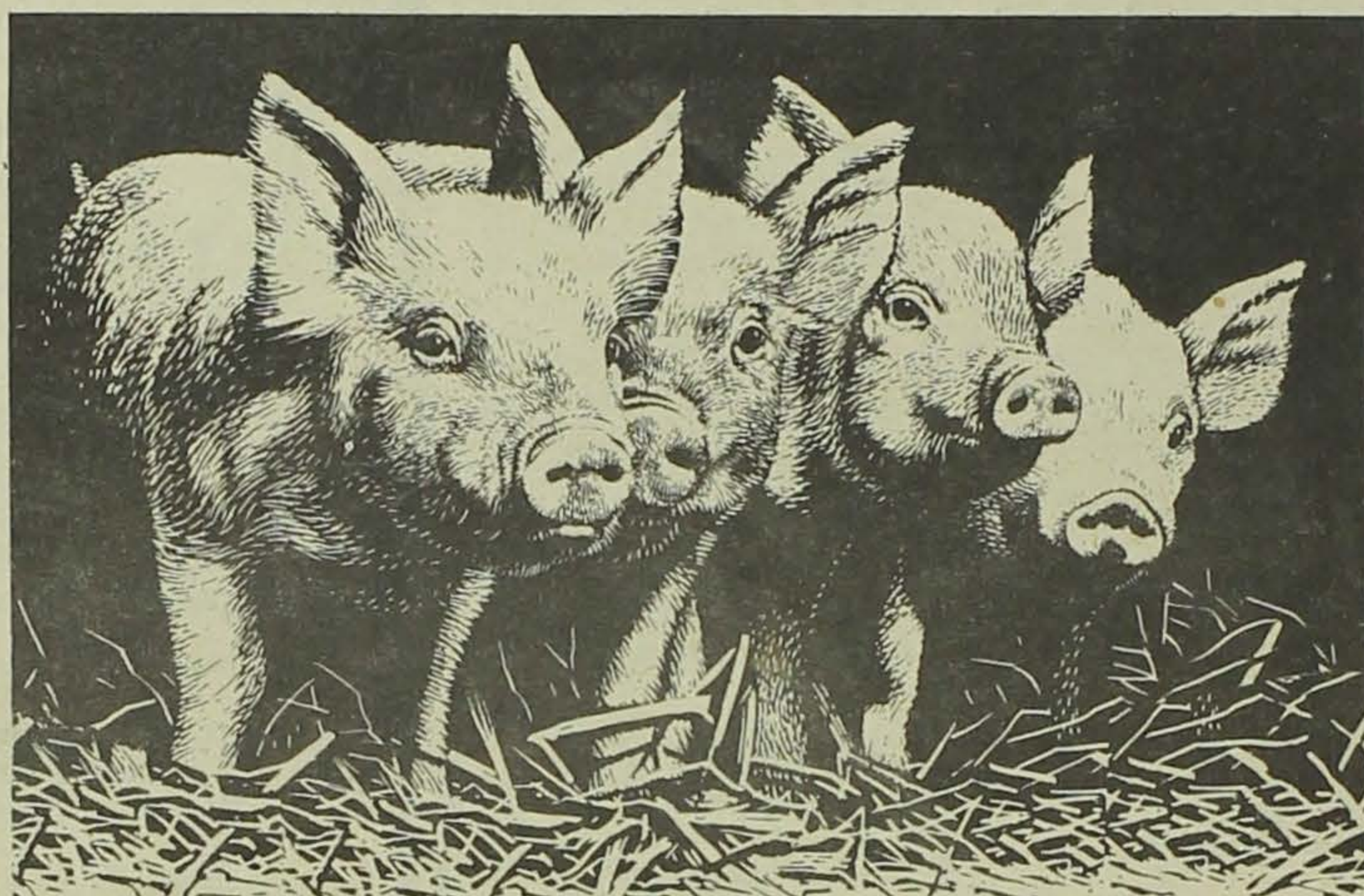
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