

1979
Thirty-seventh Annual Report
CASS COUNTY SOIL CONSERVATION DISTRICT
Atlantic, Iowa

1979

1979 Annual Reports

1 Office

2 Lawrence G. Vance

6 to Steve Stover

1 to Senator C. W. Hutchins, 902 Prairie, Guthrie Center, Iowa 50115

1 to Senator John Culver, 1327 Dirksen Office Bldg., Washington, D.C. 20015

1 to Representative Tom Harkin, 514 Cannon House Office Bldg, Washington, D.C.

1 to Regional director: Ed Baldwin

1 to Davis Conservation Library, P.O. Box 776, League City, Texas 77573

11 to SCD in the following counties: Monona, Crawford, Carroll, Greene, Harrison, Shelby, Audubon, Guthrie, Pottawattamie (2), Adair

on the university ration, even though all pigs received similar rations after the starting period. This is known as nutritional carry over.

The results again showed that a pig properly started on a high quality ration will out perform those started on a lesser quality ration, not only during the starting period but all the way to market.

YOUR MEN FROM WALNUT GROVE:



Charles
Koppertnolle
Atlantic



Malcolm Wissler
Atlantic



Calvin Hoegh
Treyner



Everett Lee
Greenfield



Al Steen
Red Oak



Charles Kinen
Atlantic



Bruce Bruck
Irwin



Marvin
Rasmussen
Kirkman



Arling LaMaster
Griswold



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Bill Bonar
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Wayne Huffman
Audubon



Gene Schroeder
Treyner

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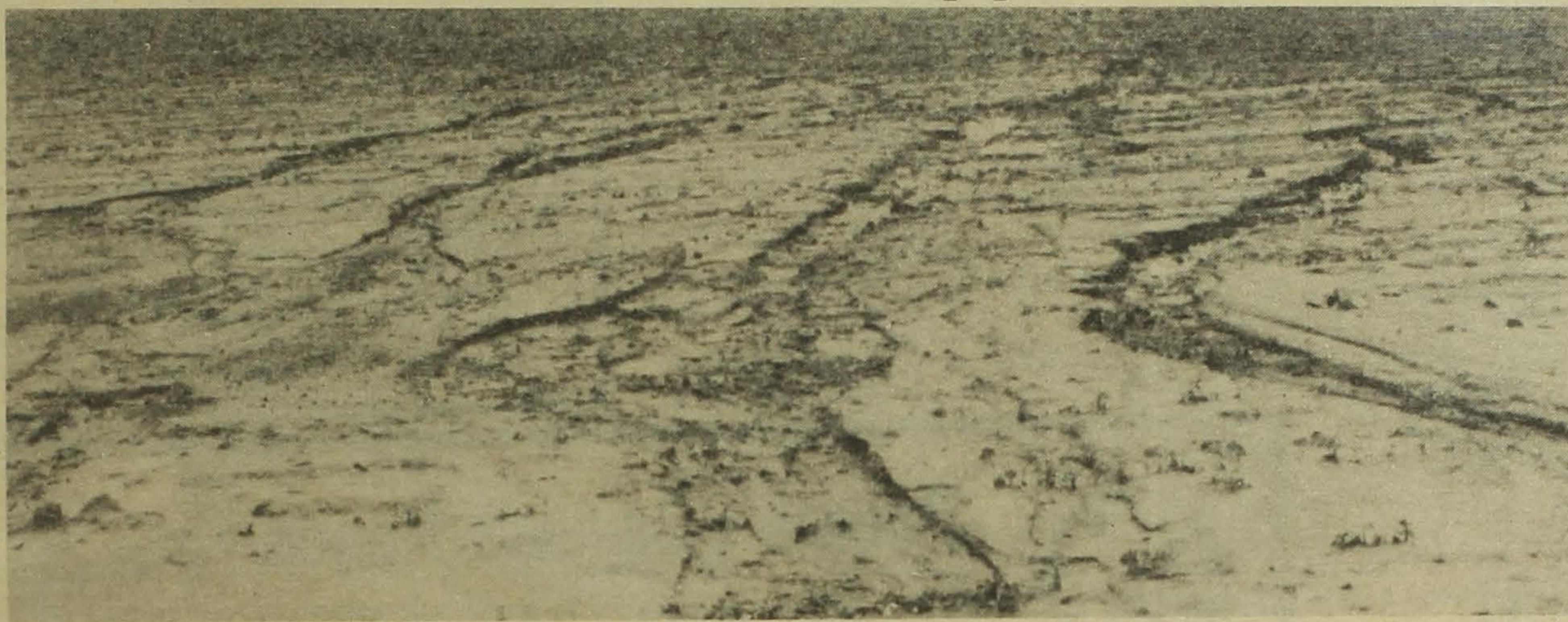
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ATLANTIC NEWS-TELEGRAPH FARM MONTHLY

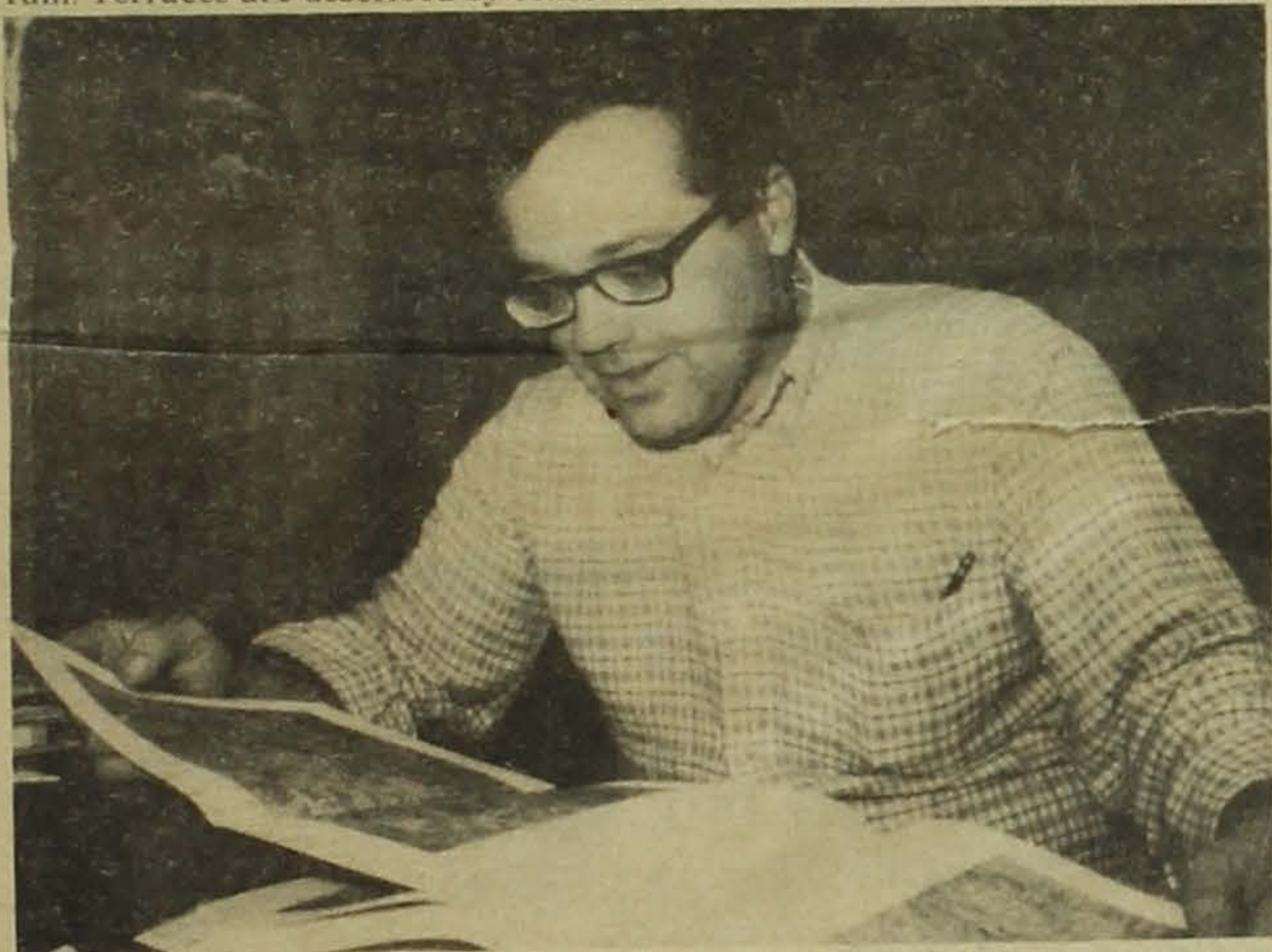
ATLANTIC, IOWA

JANUARY 26, 1980 ISSUE

Terraces Just Don't Happen In Iowa



Soil loss on cropland is Cass County's worst enemy. The valuable soil resource is depleted every year. This is what happened to one county farm after a heavy rain. Terraces are described by conservationists as the most valuable tool available to relieve soil loss. Terraces just don't happen on a farm overnight as a lot of planning goes into construction of each one.



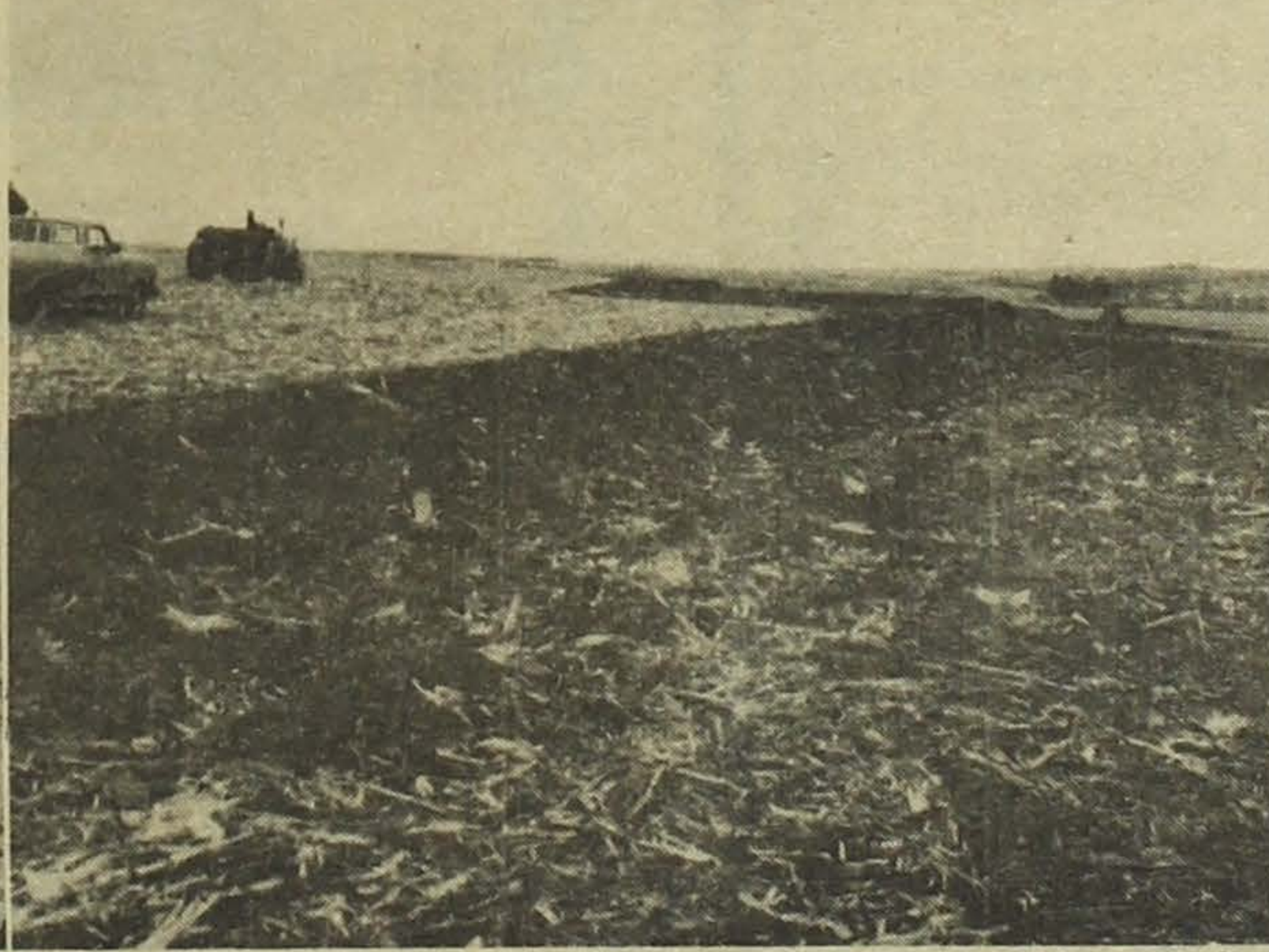
Planning is an important part of the terrace study. Attention must be given to soil types and slope of the land. Bill Willis of the Cass County Soil Conservation Service studies a soil map before starting a terrace layout.



The tile and intakes for a terrace are constructed first. They are placed in the right location to transport excess water out of the terrace at a gradual rate.



Actual construction of the terrace is a two-phase project. The valuable topsoil is stockpiled and the terrace is constructed mostly from subsoil by bulldozers and scrapers.



The finishing touch for the terrace is when the topsoil is pushed back in place and seed sewn on the backslope. The terrace is now ready to do its job as part of a progressing soil conservation program.

THIS ISSUE OF THE FARM MONTHLY IS DEVOTED TO STORIES ABOUT THE EFFORTS OF SOIL CONSERVATIONISTS TO PROTECT IOWA'S MOST VALUABLE PRODUCTS — RICH FARM LAND. THE FRONT PAGE PICTURES ARE ARRANGED IN SEQUENCE TO TELL ONE OF THE MOST IMPORTANT PHASES

OF THE SOIL CONSERVATION WORK, THE DEVELOPMENT OF TERRACES TO REDUCE SOIL EROSION. INFORMATION ABOUT TERRACES AND THEIR CONSTRUCTION IS AVAILABLE FROM THE CASS COUNTY SOIL CONSERVATION SERVICE, 1207 SUNNYSIDE LANE.

Poets Corner**WHEN RAINBOW'S
BUMP BACK**

Shucking dusty years like a
worn-over shoe,
Kicked hastily off for a decade
so "new."
We may plump it up pretty —
let it fall flat,
It is new, it is ours — a good
year or brat.
Rainbows, like years, will
beckon the way
To build heartening lives, though
trying the day.
But sometimes years bump for
a moment or two,
That cragbacked old year,
testing hopes for the NEW!

—Maryleona Berg, Wiota

PATTERNED POETRY

Oregon holly
— breath from the
deep woods.

Red holly berries
holiday
happiness.

Winter's candle
sputters
in March winds.

Spring
jogs...
summer saunters by.

Nora Newman, Atlantic

LITTLE GOLD CROSS

I was feeling sad and weary
The world was against me, I
sighed
Not knowing what else to do,
I just sat down and cried.

Something glittered there on
the table
As I reached to brush it away

**PROTECTING
THE
FAMILY
FARM**

It's not easy to keep the
farm in the family.

Low crop prices. High
costs. High taxes. Bad wea-
ther. Bad times.

Even when everything goes
right, a farm family faces
the threat of an enormous
federal estate tax sometime
in the future.

When a farmer dies and
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not your debts and taxes, by
providing sufficient money
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ance.

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fu National
Farmers Union
Life Insurance Company

There lay a little gold cross
With a tiny inscription "Let's
Pray".

I think God was trying to give
me
Lots of faith and courage that
day

I started feeling much better
As I bowed my head to pray.

—Eileen Harris, Atlantic

'MANDY SUE'

What a sweet little miracle you
Are to mommy and daddy.
What a bundle of hope and love.
Like the warm dawning
morning
Or a new baby dove.
Your the sweetness of life
A beauty that's nice
Your the charity of faith
And the slowness of haste
The wrongness of right
And shortness of height
Your mommie's brand new
doll,
The envy of us all.

Alane Howland,
Guthrie Center

(To my sister, Karen Myers,
and her new baby girl,
Mandy Sue).

SLEIGH BELLS

I live today in a modern world
So I keep the rules that are new:
But I won't give up the best of
thrills
That in childhood days I knew.

Whenever it snows, I want my
sleigh
With a team that is graceful and
strong
And I want red tassels and
jingle bells
To brighten the way along.

The sleigh must be filled with
friends who are gay...
As happy and as gay as I...
And the songs we sing must
merry be
As over the snow we fly.

Yes, I am atune with the times,
but still
I hold to the wealth of the past,
And whenever it snows, I yearn
for my sleigh
Filled with all the joy that will
last.

—Marjorie McVicker Sutcliffe,
Audubon**UNHIDDEN TREASURE**

I feel so rich for I have found

A mass of diamonds on the ground;
As far as human eye can see
Their beauty glitters back at
me.
I can't insure these diamonds
though,
For they are sunlight on the
snow.
—Marjorie McVicker Sutcliffe,
Audubon
Don't drink and drive.

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SOUTHERN GARDENS, DISNEYWORLD, NEW ORLEANS: 15
days, March 22.

ARIZONA SUN: Tucson, Phoenix, Grand Canyon, Feb., 14 days.

FLORIDA, DISNEYWORLD, NASHVILLE: 14 days, \$445, Feb. 12.

FLORIDA, DISNEY WORLD, NEW ORLEANS, OPRY: Feb. 17,
\$595, 18 days.

WESTERN TOUR: 12 days, \$400, Reno, Las Vegas, Chuck
Wagon Dinner.

CHERRY BLOSSOM TIME: 7 days, \$388, White House, Mt.
Vernon, etc.

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Earn 10.40%....30 mo. certificate

*\$500 min. deposit (Annual yield, 10.96%)

Effective Through January 31, 1980.

Other Rates Available....

	Annual Rate	Annual Yield	Minimum Deposit
Daily Interest Passbook	5.50%	5.65%	NONE
6-Month Money Market (January 24 thru January 30)	11.886%	12.414%	\$10,000
1-Year Certificate	6.50%	6.72%	\$500
30-Month Certificate	6.75%	6.98%	\$500
4-Year Certificate	7.50%	7.79%	\$500
6-Year Certificate	7.75%	8.06%	\$500
8-Year Certificate	8.00%	8.33%	\$500

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Ceiling Packages

12' x 9' Decorator Tile
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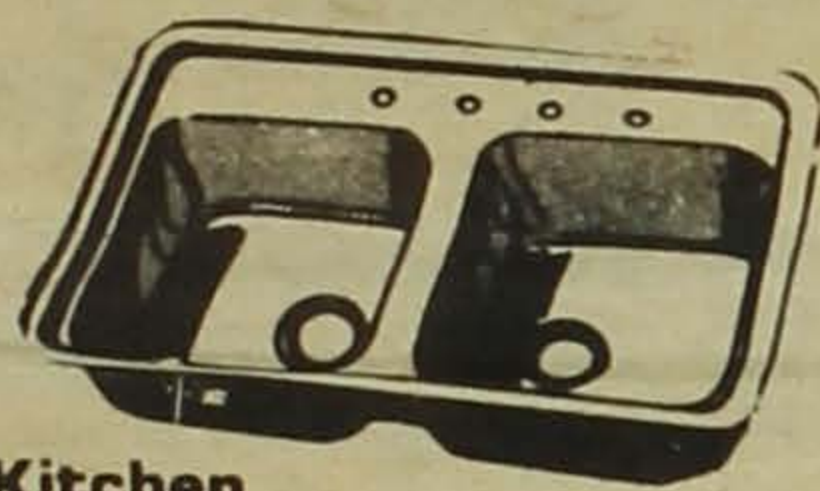
32⁹⁵

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Great over a workbench.
Less bulbs.
Now Only **10⁹⁵**



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22" x 25" Single, self-rimmed. Now Only **21⁹⁵**

Double Sink 33" x 22" **26⁹⁵**
Mirror Finish 33" x 22" **49⁹⁵**



Payless stocks a full line of mouldings

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Choice of colors, rustic grade. Subject to slight defects. While supply lasts. Remodel in style! **349** 4x8 Sheets

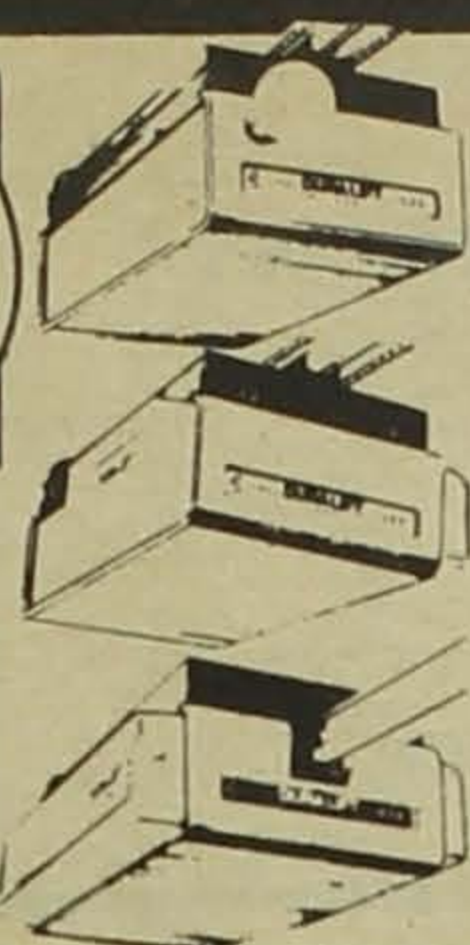
Garage...



Top and Side Garage Door Weatherstripping 23' long. **4⁹⁵**
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Wood Panel Garage Door

9' x 7' 4-section overhead. Complete with hardware & track. 3 sizes available. **129⁹⁵**



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Keep out of the bad weather and save your strength!

Good Inexpensive Model #3000 **94⁹⁵**

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High reflectance. Latex easy, dries in 30 minutes. Soap and water clean-up. White only. Covers walls beautifully.

We carry everything you need to paint...

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Paint!

Interior Latex

Now Only **349** Gal.



Here's a super saver!

Bright Brass Door Lock Sets

"Viking" by Weslock.

Passage **3⁹⁵** Privacy **4⁹⁹** Keylock **6⁹⁹**

Essex Cabinets

Enhance your kitchen with the traditional look of wood finish in natural grain maple.

Wall Cabinets

• W930	26.80	• W2430	36.40
• W1230	29.80	• W3030	48.40
• W1530	31.60	• W3630	53.60
• W1830	33.60	• W4830	61.60

Base Cabinets

• B12	41.20	• B24	50.40
• B15	42.80	• B30	65.20
• B18	44.80	• B36	70.00
• B21	48.40	• B48	82.80

Drawer Units

• DB15	60.40	• DB21	65.20
• DB18	61.60		

Range & Sink Base Cabinets

• SB30	56.00	• SB72	113.60
• SB36	60.80		

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4'x8' sheets make remodeling easy! Add warmth to your rooms.

379 Sheet



Rough Texture Woodgrain

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Resists water

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4'x8' sheets

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Galvanized Furnace Pipe

• 3" x 2' pipe	99¢
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• 5" x 2' pipe	1.19
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Galvanized Adjustable Elbows

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• 6 inch	1.29

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2 1/4 x 12, #140 **2.49**

Air Deflector

10" to 15" **99¢**

Duct Tape

2" x 30' **99¢**

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Fiberglass Insulation

11¢ Sq. Ft.

3 1/2 x 15 wide. Priced by square feet.

Styrene Board Insulation

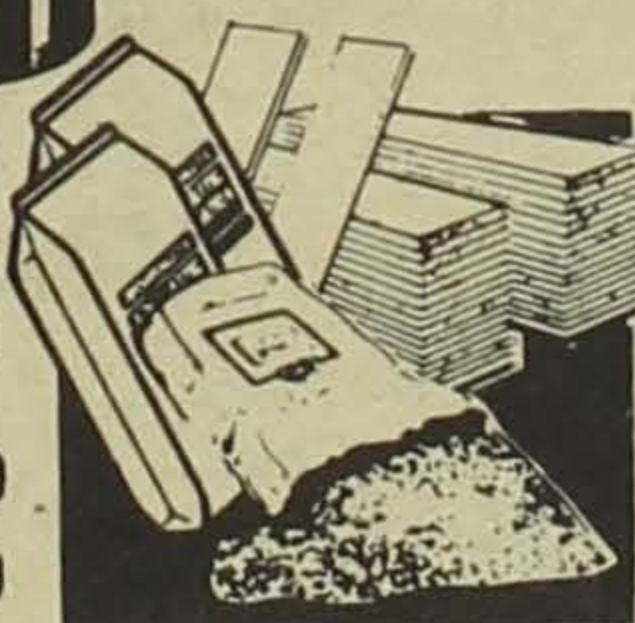
2x8x 3/4"	1.49
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Pouring Wool

10 pound bag **2.79**

Zonolite Insulation

3 cubic foot bag **3.49**



Bath Tub Enclosures

Plastic #P-141-L-58 **27⁹⁵**

Tempered #T-146-60 **46⁹⁵**

Tempered Swan #T-146-S60 **49⁹⁵**

Plaster Board

269

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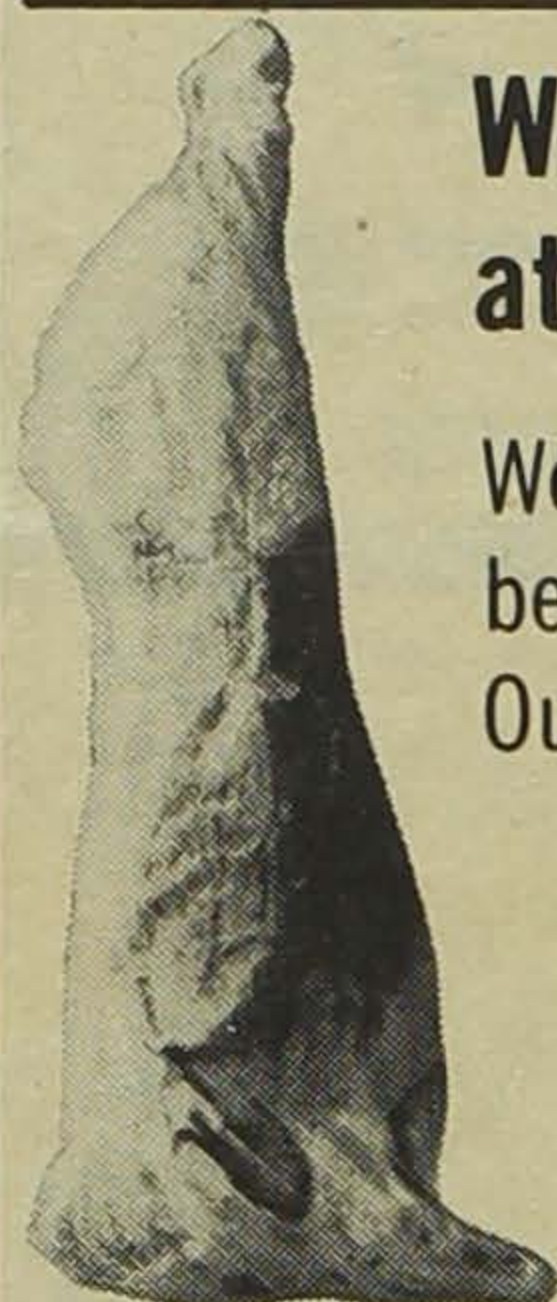
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AC 200, Cab, Heater	15,000.00
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AC XT 190 D., New Trans.	5,500.00
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Many Grasses Provide Better Livestock Gains Than Bluegrass

By The Cass County Soil
Conservation Service

What kind of pasture gets better gains on cattle than bluegrass? The answer is — just about anything.

Brome, orchardgrass, fescue, trefoil, alfalfa, crownvetch and switchgrass are all better and more consistent forage producers than bluegrass. Bluegrass has two very bad habits — it goes dormant during hot mid-summer, and it is a low producer in the fall.

Pasture management does not mean managing to eat every blade of grass right into the ground. It does mean to take advantage of the growth patterns of grasses and legumes in the right combination to achieve maximum production of forage and the best animal gain possible throughout the entire growing season. Bluegrass alone will never achieve that goal.

Profitable

Productive pasture is profitable pasture that encourages the cattleman to keep his land in grass. Land seeded down is land protected from erosion and is exactly why Conservationist are, "bullish on grass".

Bluegrass pastures can be improved by several interseeding methods. Introducing legumes such as trefoil or red clover into existing bluegrass can double the carrying capacity in some cases. Weed control and annual fertilization can also increase the value of bluegrass pasture.

If pasture establishment or seeding is to be used, a seeding plan can be developed for the number of acres and animals to be pastured. Cool season grasses such as brome and orchardgrass can be matched with warm season grasses or legumes to produce a system that insures forage production from May to October.

Warm season grasses such as switchgrass grow best in July



GRASS, NOT WEEDS, FILLS NEEDS

and August. These are critical months for brome, orchardgrass, and bluegrass. If one-third of the pasture acreage is switchgrass, forage production can be sustained even in the summer. Properly managed stands of trefoil or crownvetch can accomplish this also. Alfalfa can be used for summer pasture if adequate measures are taken to prevent bloat.

Programs

Full season pasture programs involve, also, adequate fertilization, effective weed control, and controlled grazing. Overgrazing of a pasture, with too many animals, rapidly decreases any stand and allows broadleaf weeds to move in and fill the voids. Overgrazing of trefoil stands can destroy the seeding completely.

Too often, pasture is simply a place for cattle to get fresh air and exercise. Gains are accomplished by feeding expensive grain, by supplementing with hay, or by simply sacrificing weight gain. Productive pastures control erosion and put extra profit into any cow-calf operation. Contact your SCS office for assistance to plan a full-season pasture program that can put more profit in pasture for you.

STUMP ARTIST

SANTA BARBARA, Calif. (AP) — Louis Benanto Jr. carves new life into dead trees. He's carving one now at the entrance to the Bird Refuge here.

Destined to be removed by the city Parks and Recreation Department, the old, dead tree stump was spotted by Benanto, who thought it would be a perfect tool for what he calls a "monument to the birds."

In its final form, the stump will look like a duck posed for

landing.

Benanto, who supports himself by delivering newspapers and produce, is no amateur artist. When he volunteered to do the job, he had left behind him a string of tree sculptures ranging from religious and mythological figures to Indians and animals, some rising as high as 30 feet and gracing churches, parks, hospitals and even an entrance to a city. They are found from Ansonia, Conn., his home town, to Aberdeen, Wash.

Observe the speed limit.

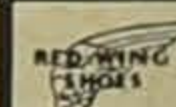


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XL-2

TWIN-TRIGGER
DESIGN. 12"
power tip bar
and chain

Reg. \$169.95

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Super 2

TWIN TRIGGERS.
POWERFUL 1.9
CU. IN. ENGINE
WITH AUTO-
MATIC OILING.
14" BAR & CHAIN

Reg. \$209.95

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150A0

26 CU. IN. HEMI-
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WITH 16" POWER
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Reg. \$249.95

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The new VI Super 2 features:

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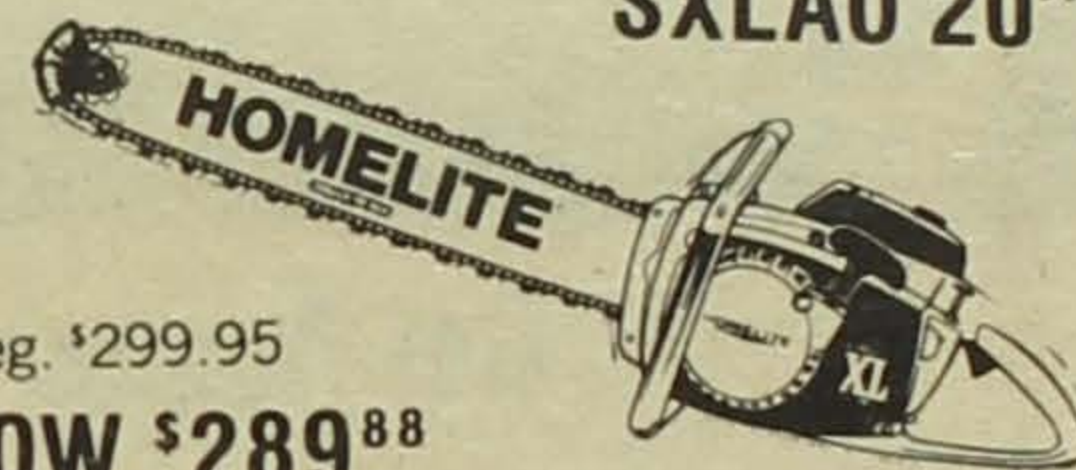
\$15 Woodcutter's Kit

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Contains:
ENGINE OIL — BAR &
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WEDGE — DEPTH GAU-
GIT — FILL & HOLDER —
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Please Contact-



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712-243-1340

Soil Conservation Needs High

By William J. Brune
State Conservationist
Soil Conservation Service

If you're one of the people who's been concerned about soil erosion on our Iowa cropland, you'll be interested in the discussions taking place at local, state, and federal government levels.

Interest in soil conservation is higher in Iowa now than any other period in history, including the days of the Dust Bowl. And government officials are now translating that interest into proposals intended to speed up soil conservation work.

Just in the last year, pilot projects have been designed by the state legislature to promote conservation tillage and windbreaks, for example. The state also has a pilot program designed to promote grass plantings for wildlife and soil conservation.

Technical Help

More than a fourth of the counties in Iowa provided cost-share monies or funds for technical help in soil conservation work last year. On the federal level, some shifting of funds and manpower is taking place to put those resources in Midwest states where crop production is important and soil erosion is critical.

Those things that are happening are in one way or another related to the Resources Conservation Act of 1977. It was an act passed by Congress that is intended to closely monitor soil and water resources, and the programs intended to conserve those valuable resources. An



important part of the law requires that public input be considered in designing soil and water resource programs.

In Iowa, soil erosion was called the No. 1 resource problem in public opinion studies made last year. Other top resource problems were water quality, land use problems, and the decline of our ability to produce food in the future.

1980 Plans

State and federal lawmakers, and soil conservation officials at all government levels, are now making plans to soil conservation programs for the 1980s. During February and March, both the state and federal governments will be asking for public review and comment on their five-year plans. Many soil conservation districts in Iowa will be asking for similar input in the district five-year plan.

Soil conservation will likely be a lively issue in the Iowa Legislature and in Congress in 1980. Never before has there been such an effort at all levels of government to get something going on soil and water resource protection programs.

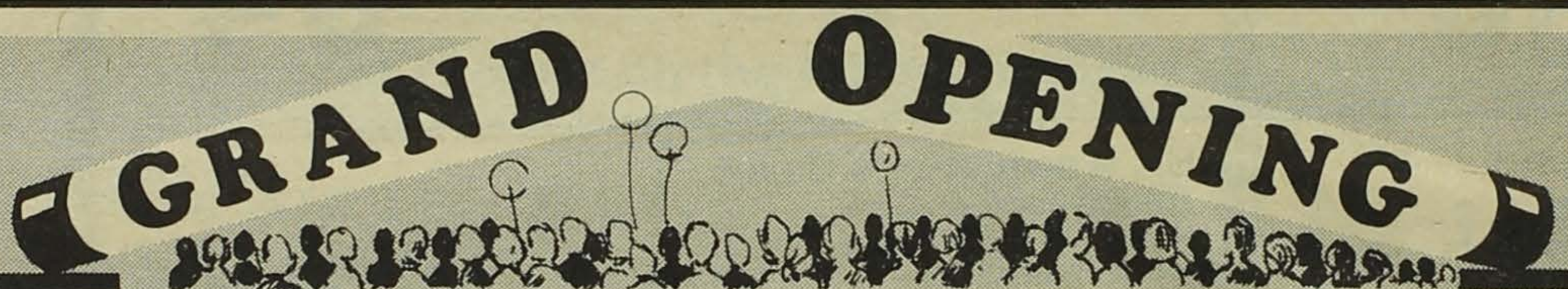
It's time to make your ideas known on sensible ways to protect our land. See your soil conservation district commissioners about their plans, and watch for announcements in early February on public review of state and federal plans.

BAD LUCK MIRROR

NEW YORK (AP) — A broken mirror reflected bad luck for a Southern belle friend of General Robert E. Lee, it was disclosed recently.

On her wedding day, Jan. 19, 1865, Hetty Cary, was putting on her makeup before going to the church to marry General John Pegram. Her hand mirror fell to the floor and cracked. On the way to the church in President Jefferson Davis' personal carriage, the horses bolted forcing the young couple to change vehicles. As she walked down the aisle, the bride tripped and tore the train of her wedding gown. Three weeks after the wedding, on Feb. 6, 1865, the young general was killed at Hatcher's Run, according to Alain de Cadenet, philatelic historian and consultant to the British Post Office on a recent visit here.

General Lee sent a letter of condolence in an envelope which bore his signature at the upper right-hand corner, de Cadenet added. Brian Green, assistant curator of the Philatelic Foundation and student of Confederate philately, obtained the cover from a dealer and later located the letter in the dusty archives of the Richmond Historical Society, only three blocks from his home. The letter had been donated to the society by the Pegram family.

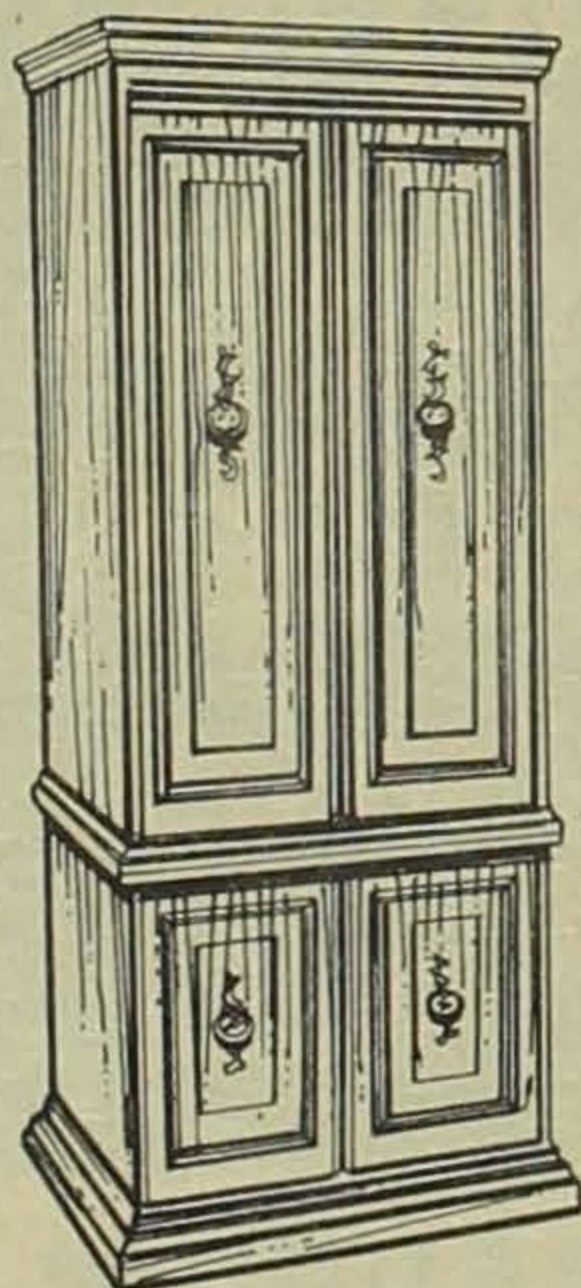


Get Acquainted With The New Owners!

THURSDAY, FRIDAY & SATURDAY — FEB. 7, 8 & 9

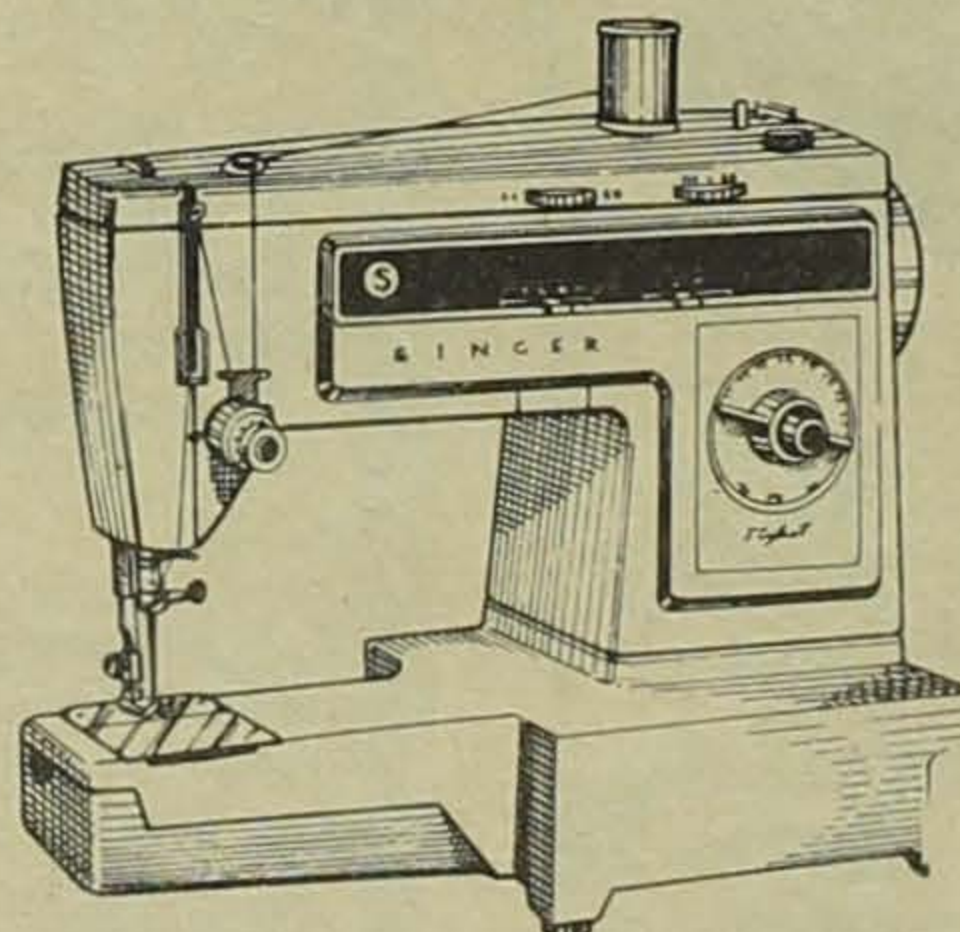
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Farm Monthly Book News

By Grace Rasmussen
Of Manilla

Two of the new books coming out this summer will be worth the wait. Flo Morse, a former writer for the New York Herald Tribune and book reviewer for the New York Times, The Shaker Quarterly and The World of Shakers, will publish "The Shakers and the World's People" through Dodd-Mead in June. This 416-page, nonfiction will sell for \$15.

Flo also writes a newsletter for Shaker Friends organization and also lectures on Shaker subjects. She offers her readers a vivid portrayal of Shaker life and its place in American history and reminds us that Shakers were one of the few religions founded by a woman. She is also on the Shaker friends board.

The second book, "Of Days in the Sun" by Pat Jordan, will be the first book on sports that I have reviewed in this column. Pat Jordan, as you probably know, is a former baseball pitcher and is described by his fellow writers as having a tremendous sensitivity for the feelings in an athlete's heart.

The Washington Post calls him a superb writer and a craftsman. This is his fourth book and is focuses on all aspects of the game from stories of youngsters at summer baseball camp and struggling minor leaguers to some professionals and managers such as Tim Lincecum and Scott McGreggor. This is a Dodd-Mead publication and sells for \$8.95.

Children's Books

One regional library office has offered a list of the best children's books in the last 200 years. Really no surprising titles there and certainly your family has read over half of them. Mark Twain was listed twice for "The Adventures of Tom Sawyer" and for "Huckleberry Finn." Laura Ingalls Wildner had her "Little House in the Big Woods" and "Little House on the Prairie" on the list. Scott O'Dell's "Island of the Blue Dolphins" and Jean Graighead George's "Julie of the Wolves" were written most recently. O'Dell's in 1960 and George's in 1972.

There are several young women with small youngsters who will be happy to learn that Bantam will have the "Green Gables" trilogy out in paperback for \$1.95, each. They will be anxious to reread these for themselves and to their children. Mark Twain called the heroine, Anne Shirley as "the most moving and delightful child of fiction since the immortal Alice."

Intriguing Titles

Paul Zindel's intriguing titles are cause enough to catch the young reader's eye, but the American Library Association has selected several of his books for their list and chose "The Pig Man" as best of the best. Other Bantam titles for \$1.95 are: "My Darling, My Hamburger," "Pardon Me, You're Stepping on My Eyeball!" and "The Undertaker's Gone Bananas" in which two New Jersey teens hilariously try to solve a murder no one else believes has occurred.

Another by Bantam which I believe should be required reading for anyone from grade six to adults is "Mishling, Second Degree: My Childhood in Nazi Germany" by Ilse Koehn. It bears the symbols of five or six awards. It is a vivid presentation of a part-Jewish girl growing

up unaware of her heritage in Nazi Germany. It also sells for \$1.95.

Perhaps 1980 will be the year of the book. My small book that I like to quote from on bibliophily says "Book love supplies each day and each hour with an endless stream of independent and rational pleasure. We are all made or marred by the company we keep, whether of men or of books."

CACTUS FARM
ETIWANDA, Calif. (AP)—Joaquin Espinosa, 63, has been growing giant cacti on

his 17 acres for 27 years.

Known for years by his neighbors and regular customers as "The Cactus Man," Espinosa makes his living selling cactus leaves and the red, white and yellow fruit of the plant.

"For centuries Mexicans and Indians have been cooking, frying and eating cactus leaves. We call it nopales," he says. "They taste like string beans."

Espinosa harvests 300 tons of them a year. He sells 1,000 to 2,000 lugs of cactus fruit a year. Customers make cactus apple jelly from the fruit.

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6½% Compounded Continuously EARNs	6.72%* 1 YEAR CERTIFICATE \$100 MINIMUM
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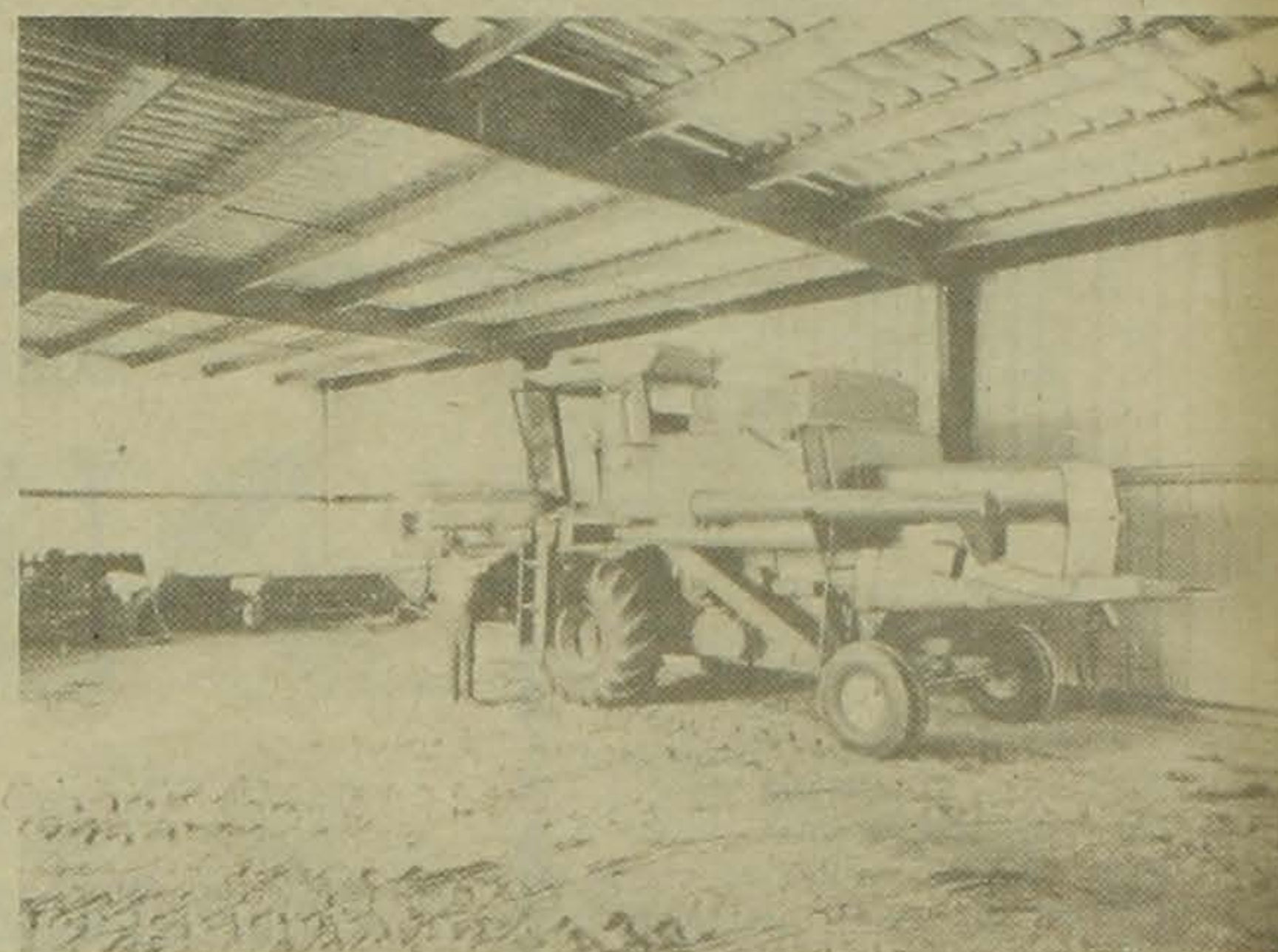
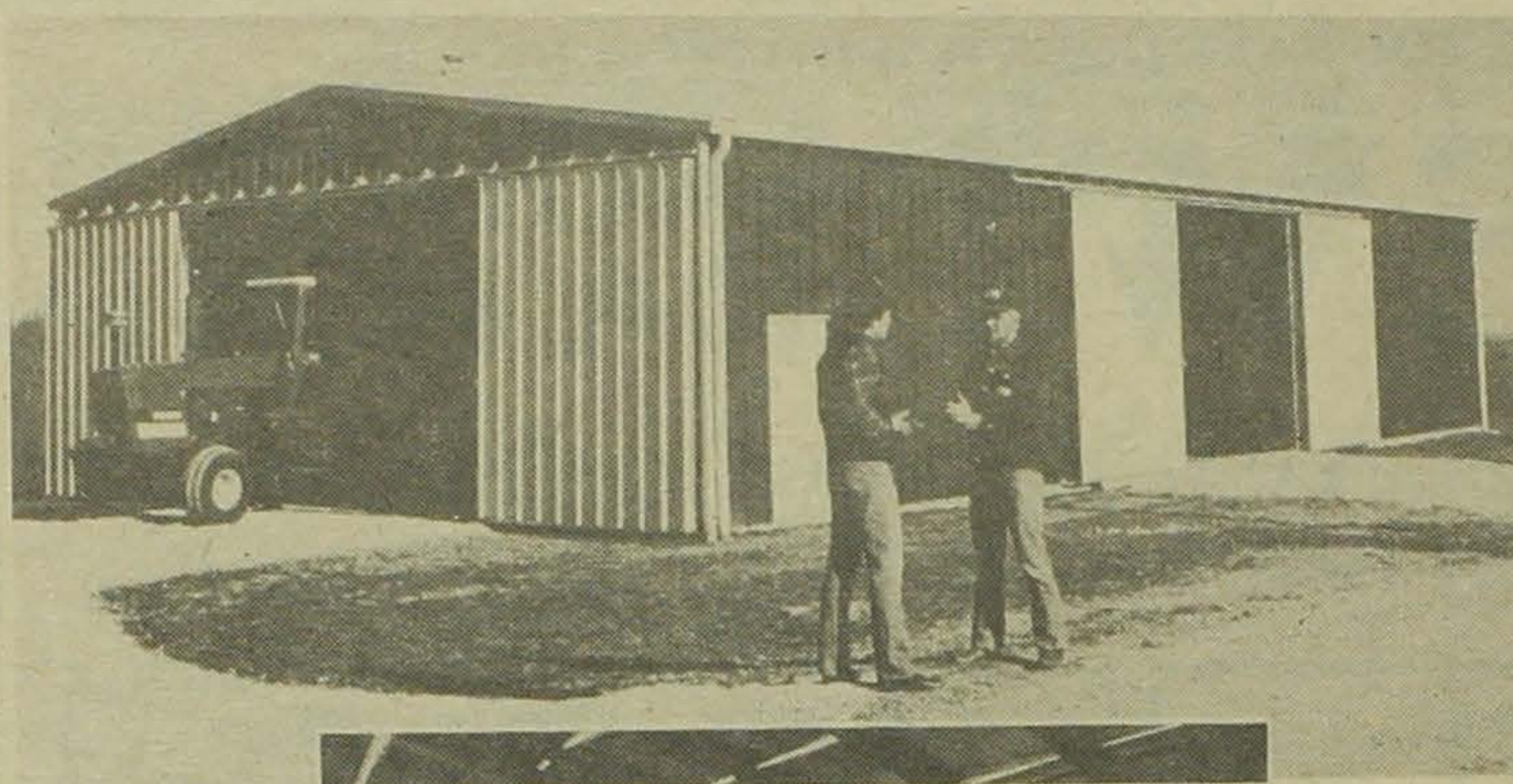
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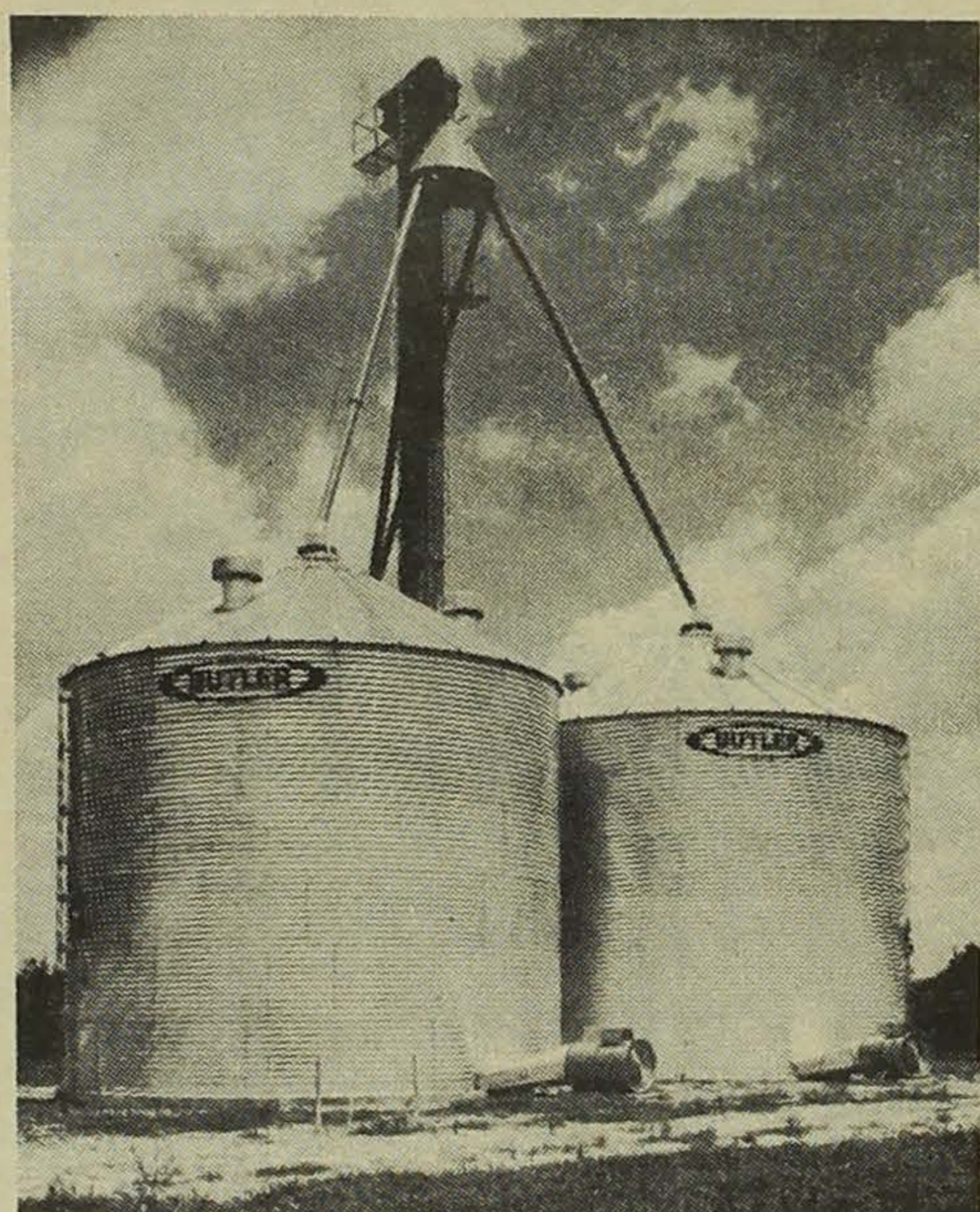
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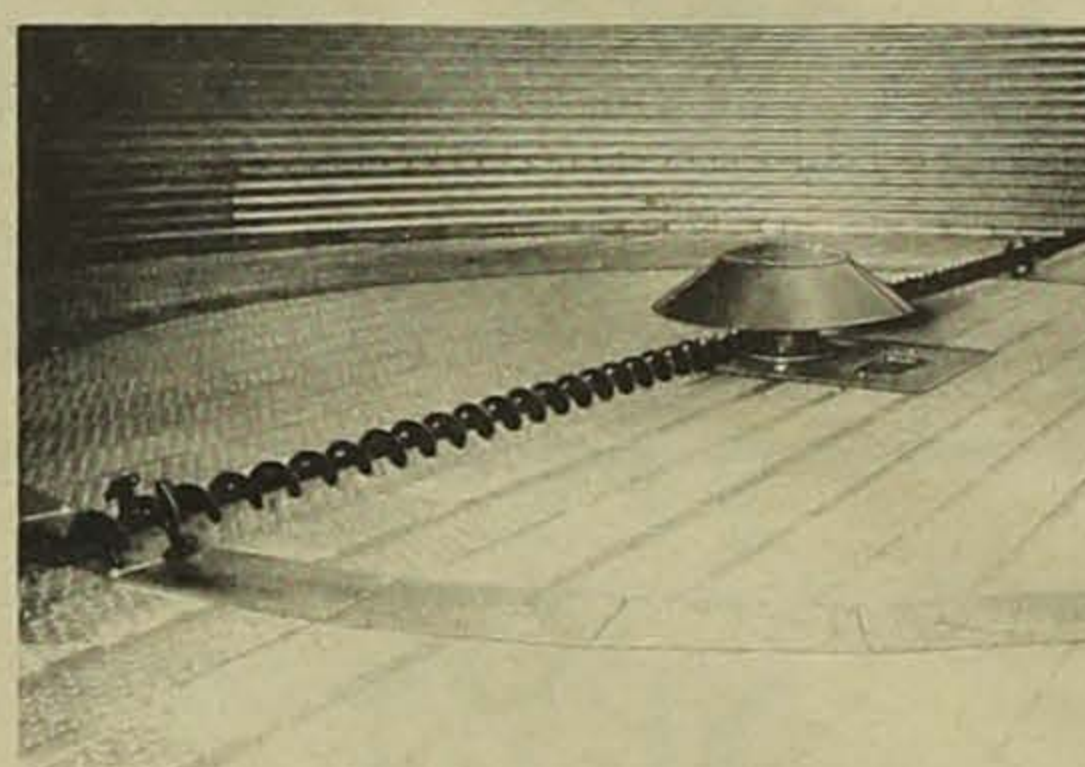


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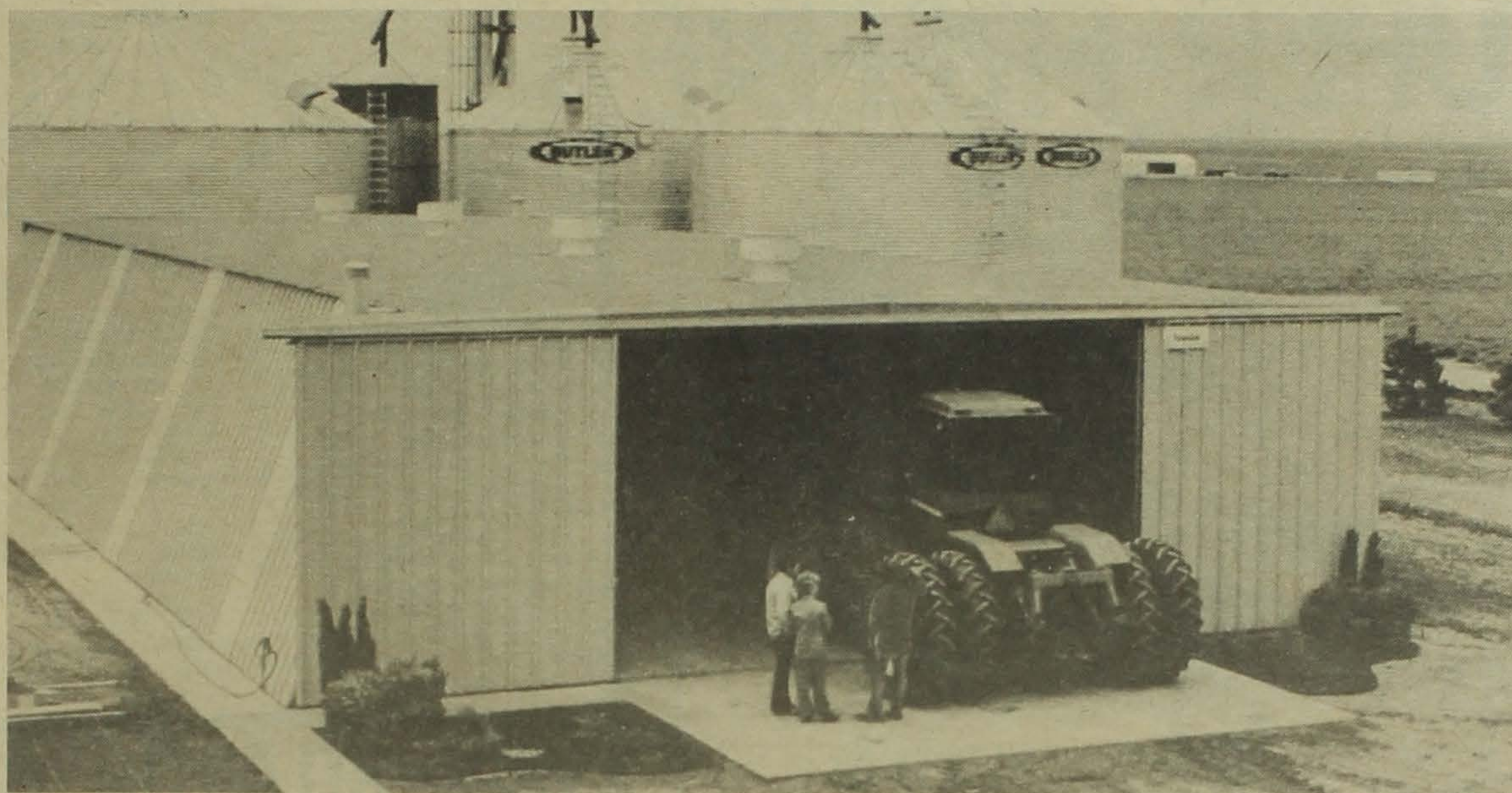
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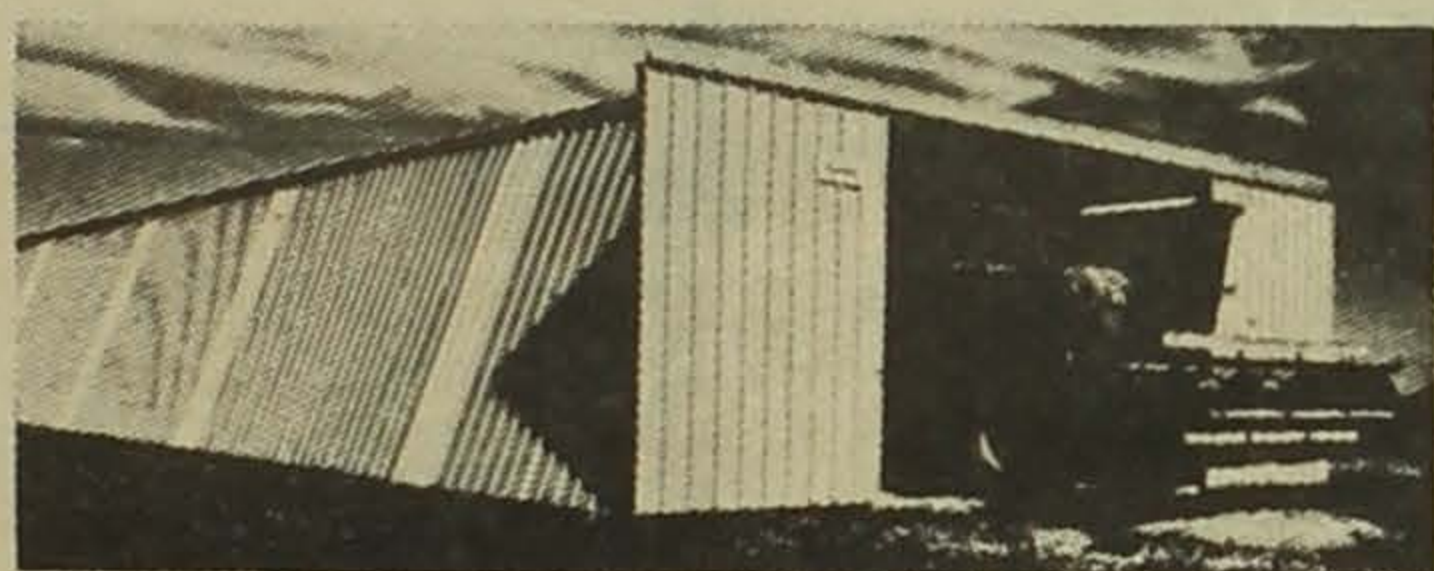
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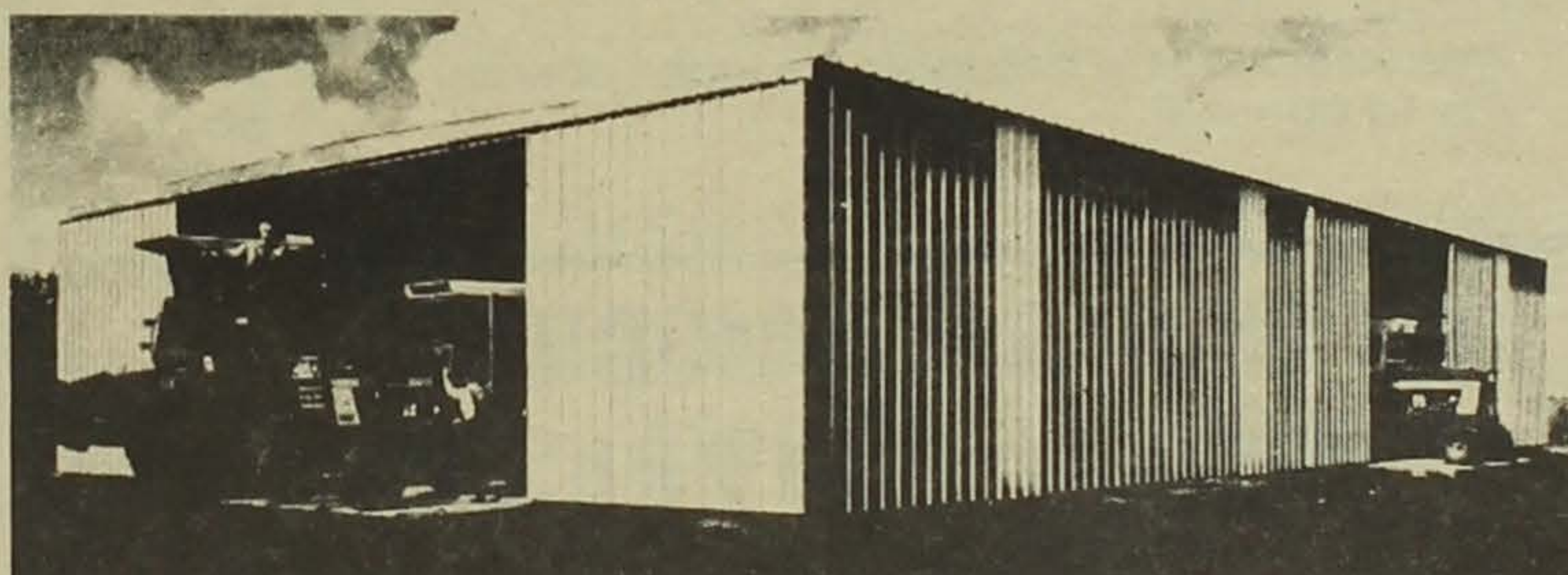
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SALUTE MA-IN-LAW
NEW YORK (AP) — Mothers-in-law are becoming popular again. Governors of 15 states and mayors of 10 cities turned the spotlight on them this year by proclaiming the fourth Sunday in October Mother-in-Law's Day.

The Florists' Transworld Delivery has gotten into the spirit of things, declaring it will seek to make Mother-in-Law's Day a national holiday.

Mothers-in-law came into their own on March 9, 1938 when 125,000 persons staged a 12-mile-long parade in Amarillo,

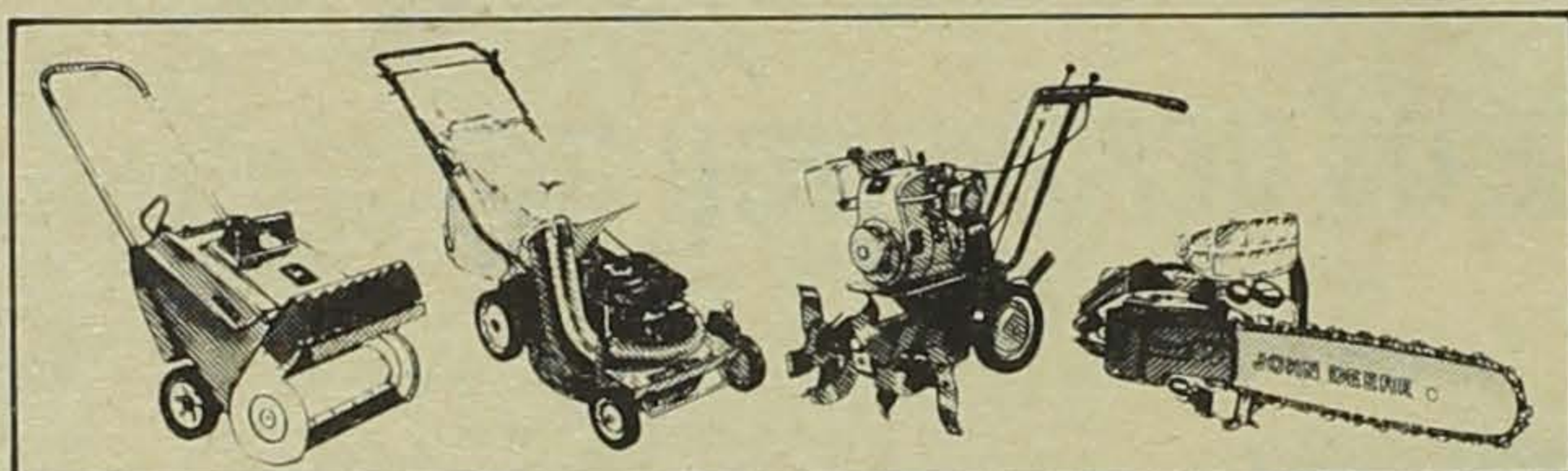
Tex.

In 1940, the Mother-in-Law Assn. sponsored a contest to find another title instead of mother-in-law. The contestants came up with "kin-mother," which surprised a lot of people since the dictionary defines "kin" as a blood relationship.

JOHN DEERE SUPER FREEBIE SALE



Buy any new John Deere Snowmobile and take your pick of a snow thrower, deluxe mower, rotary tiller or chain saw. For every new John Deere Snowmobile you buy from now through February 16, you can choose, at no additional cost, one of six super products: A 320 Snow Thrower with 3-hp engine and 20-inch cut... select either a John Deere 21-inch deluxe push mower with rear bagger or 21-inch self-propelled mower... take a 216 Tiller with 2-hp engine and 16-inch tilling width... or choose either a 50V or 60V John Deere Chain Saw. **Buy before midnight, February 16, to take advantage of this SUPER FREEBIE offer!**



Special financing available through February 16. Ask us about it!



USED SNOWMOBILES AT LOW, LOW PRICES!

Demo. 1979 John Deere Spitfire with new warranty, Serial number 98448	\$1,350.
Used 1979 John Deere Spitfire with speedometer and tach. 355 miles, like new condition. Serial number 98447	\$1,325.
Used 1977 John Deere 440 Liquifire	\$1,795.
Used 1977 John Deere 440 Cyclone	\$1,595.
Used 1977 John Deere 440 Liquifire	\$1,795.
1975 Evinrude 650	\$725.
Used 1972 John Deere 500, new engine overhaul, 1126 miles, serial 3572	\$795.
Used John Deere 1973 500 with new track, 1398 miles. Serial 15208	\$895.
Used 1975 John Deere JD-X8, snowmobile slide rails, 1973 miles. Serial number 33515	\$995.

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Golden Hills Has Several Goals

By G. M. Baier
 Cass County Soil Conservation Commissioner
 Objects of the locally sponsored Resource Conservation and Development Areas are to improve the use of each area's natural resources; improve and expand economic, cultural and recreational opportunities for local residents; enhance the environment.

This has been a busy and interesting year for Golden Hills. At the beginning of the fiscal year the federal government cut funding to all RC&D's to \$5,000,000 with the implied opinion that the RC&D's would no longer be funded in the following year.

A very pronounced objection was made by the public throughout the country. The National Association of Conservation Districts was very active in leading the objection. As a result, public hearings were held by the secretary of agriculture and all comments came in positive. The nearest hearing was in Minneapolis, Minn., and the Golden Hills Council supplied funds so a delegate could attend and testify. This next fiscal year will have funding at a \$32,000,000 level with six new starts being approved.

One of the new RC&D's is known as Pathfinder. This is a six-county area in southern Iowa consisting of Davis,

Jefferson, Keokuk, Mahaska, Wappello and Van Buren counties.

It is felt that the Golden Hills area will be the next new start in Iowa. Golden Hills consists of Cass, Harrison, Shelby, Pottawattamie, Mills, Montgomery, Fremont and Page counties.

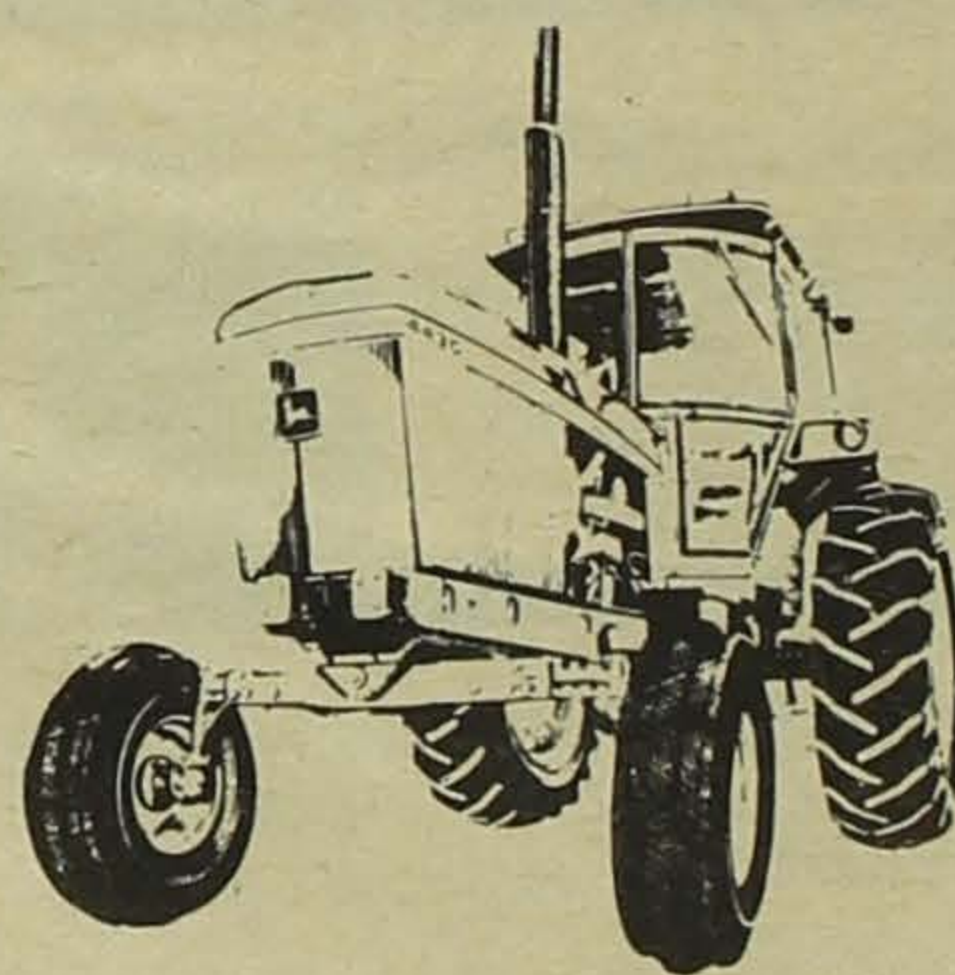
The Golden Hills RC&D agriculture committee has been conducting a corn tillage test plot at Oakland for two years. This last year, slot-planted, no-till corn had the largest yield. The area also has a committee to study erosion on roads. This committee has completed a survey of all the eight counties in southwest Iowa, to determine which bridge locations could be replaced by dams. This information is available to county engineers.

The funding for Golden Hills, to date, has come from contributions made by the Soil Conservation Districts in Cass, east and west Pottawattamie, Montgomery, Harrison, Shelby, Mills, Fremont and Page counties. When federal funding becomes available, a coordinator will be assigned to the area and ways will be devised to improve the use of our natural resources.

When the Battle of Flodden Field was fought in 1513 it resulted in the death of King James IV of Scotland.



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USED EQUIPMENT AT SAVINGS!

1976 Ford 7600 tractor, cab, air conditioning, heater, WF, dual power transmission, dual valves	\$14,500.
1973 John Deere 4430 tractor, cab, heater, air	\$20,500.
Kelly Ryan 325 bushel spreader, tandem axle	\$3,650.
IHC 1466, 1977 with 1300 hours, cab, heater, air, real sharp unit	\$19,750.
1973 Massey Ferguson, 1135 with cab, heater, air	\$13,950.
John Deere 3010 G, with three pt. dual controls	\$4,500.
Kewanee no. 1020 20' disk with M and W harrow	\$4,695.
IHC 470 20' disk with 20" blades	\$3,650.
John Deere 310 disk, 13'7" and 24" cone blades	\$4,250.
Brady 20 1/2' 3 pt. field cultivator with harrow	\$2,950.
Brady 24 1/2' 3 pt. field cultivator with harrow	\$2,150.
John Deere C-11, 18 1/2' field cultivator, 3 pt. with harrow	\$1,450.

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8R W fold up tool bar planter with John Deere 81 units and insect	\$3,950.
IHC 400 Cyclo planter, 6 R W	\$1,895.
John Deere 1240 plateless planter	\$1,950.
Allis Chalmers 770 air planter, 4R, 3 pt., real sharp	\$2,150.

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WANTED: Good home for loveable 9-month old Fox Terrier puppy. Black with white collar and feet. Has rabies and distemper shots and castrated. Call 712-741-5672.

WANTED: 1946 Ford 2-door, 5 passenger car, any condition. Write ATL, Box 230, Atlantic, Iowa.

WANTED: To buy used Caswell hog scales. Phone 268-5407 or after 6 p.m. 243-5409.

WE BUY JUNK CARS: Call 741-5611 after 4:00 P.M. 6p14

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FOR SALE: New tires. Two 7.50x14; two 8.50x14; one 6.70x15; one 7.60x15; two J78x15 snow tires. 243-2467. 2Dec.

Observe the speed limit.

★ FOR SALE

FOR SALE: Seven wooden storm windows and screens size 24½"x60". Also 16 other assorted sizes smaller. Eight inside doors, bath tub. Phone 779-2285.

FOR SALE: Wood burning, white porcelain range, \$100. Good condition. Good oven. Glea Laco, 712-826-8165.

FOR SALE: 850 International Harvester grinder-mixer, extra good, Arnold Long, 2 miles south, 3½ miles east of Grant. Phone 712-763-4320.

FOR SALE: Square bales hay and straw. 15" wheel for 1968 Ford. 515-747-3603. 2Jan.

FOR SALE: Registered Polled Shorthorn bulls, serviceable age. Philip Kennedy, 769-2574. 2Jan.

★ MISCELLANEOUS

AUCTION of Church building, lots of pews and miscellaneous antique furniture. February 9, 1980, 1 p.m. Fontanelle, Iowa United Methodist Church.

PARSNIP

Ray Kelly of near Leon recently harvested what he believes a world record seven-pound parsnip. The Guinness Book of World Records has no standard for parsnips and unless someone else certifies a bigger parsnip, Kelly will claim the record in the next edition. — Leon Journal-Reporter.

Financial Planning

By
John D. Johnson, CPA
Telephone 243-3145



TAX FREE EXCHANGES

Each year an increasing number of real estate sales are being designed to qualify as tax free exchanges. The inflated value of a parcel of real estate over its purchase price causes a high gain on sale of that property. The income taxes, otherwise payable on a sale of real estate, can be deferred by arranging a tax free exchange.

It is unlikely that you will find a person with acceptable property to trade you when you are ready to sell. However, you can arrange for your buyer to acquire satisfactory replacement property which he then trades you for your real estate. This latter approach is referred to as the three-way exchange and should be considered by anyone intending to sell property and buy replacement property.

These are four categories of real estate by use.

- (1) Investment property
- (2) Property held for productive use in a trade or business
- (3) Taxpayer's primary residence
- (4) Inventory held primarily for sale

Of these four categories of real estate, the first two qualify for tax free exchange under Internal Revenue Code, Section 1031.

There is a common misunderstanding that you can sell "investment" or "productive use" property and replace it within a given time limit to eliminate the income tax. Your primary residence is the only property which can be sold and replaced within a given time limit to avoid the income tax. If you accept cash or a contract on the sale of commercial real estate, you will pay the income taxes on that transaction even if you buy replacement property the same day.

Since inflation is causing most taxpayers to be in a higher tax bracket, the use of the tax free exchange can save you thousands of dollars in income taxes.

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Talk to us about your business and financial concerns. Personal and corporate tax returns. Tax planning. Financial statements. Business and farm record keeping. Computer systems. Estate and gift counselling. Financial audits.



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CONCRETE KETCH

ST. JOSEPH, Mo. (AP)—In 1971, a retired military and civil service man in an Omaha, Neb. suburb began an unusual construction project.

Many work-hours and about \$100,000 later, the project was able to reach a milestone on October 15, 1979, when the 27-ton deep-sea cement ketch was put into the Missouri River.

Recently, the ketch, the "Misty Green-Go," docked here for repairs.

The man behind the boat, Ben Green of Bellevue, Neb., said his crew was composed of his wife, a friend and a dog.



Doing Its Job On Cass Farm

Excess runoff water is released slowly through this pipe on the Crooked Creek Watershed structure built on the Gerald Thompson farm in Benton Township. Even when the pipe runs full, excessive rainfall is held back and released over

several days, thus reducing the flood hazard downstream and controlling gullies upstream. Similar projects are also in operation in the Trukey Creek and Troublesome Creek watersheds in the county.

Today's Farming Demands Innovation



Challenge The Best And Win

It takes a special combination of traits to make a top corn hybrid. And DEKALB XL-72aa has all the qualities you like to see.

- Outstanding yield power
 - Fast drydown
 - Big ears
 - Easy to harvest
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Please send me more information about the Farmowners Policy.

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Iowa Crop Report Given

During 1979 Iowa farmers harvested larger crops than a year ago for corn, corn silage, white corn, soybeans, wheat, oats, popcorn, and alfalfa hay while smaller amounts of sorghum grain, all hay, and other hay were harvested. Crops made excellent progress despite a planting delay, with harvest occurring rapidly for soybeans yet slower for corn. Record crop yields were attained for corn, white corn, oats, and hay. For the second consecutive year grain production exceeded all previous years.

Iowa's 1979 corn production at 1.63 billion bushels was 11 percent higher than the 1978 crop. Consistent yields throughout the districts were realized, with many areas surpassing previous record yields.

The state average of 127 bushels per acre was 12 bushels above the 115 bushels per acre a year earlier and exceeded the record yield of 116 bushels per acre set in 1972.

The 12.8 million acres harvested for grain was the second highest on record, being surpassed only by 1976 grain acreage. Corn silage was harvested from an estimated 650 thousand acres with an average yield of 17.5 tons per acre.

Iowa soybean production at 310.5 million bushels established a new record, exceeding last year's 290.7 million bushels by seven percent.

Soybeans were harvested from a record 8.170 million acres, eight percent above a year ago. An average yield of 38 bushels per acre was only one-half bushel per acre below the record yield set last year.

Grain production of oats at 63.0 million bushels was up three percent from a year ago due to a record yield of 63 bushels per acre.

A new record yield of 3.74 tons per acre was set in 1979. Harvested acreage was down four percent from the previous year with all hay production down less than one percent.

Because their reproductive organs shrink and their characteristics change, birds become practically sexless after the breeding season passes.

Turkey Creek Structure Replaces Road Bridge

By Bill Willis

Soil Conservation Service

Not all watershed structures are built in the middle of a field or a long ways from the road. Sometimes, these structures are built right on the road. In fact, right in the middle of the road.

In the case of Turkey Creek Watershed, Site 47, in Section 19 of Grant Township, the structure is the road. This structure literally eliminated a county bridge and the road now passes over the top of the dam in plain sight of the pond that occupies the space that once was ditch and gully.

The signs west of the old, white wooden bridge cautioned of a restricted load limit. The sign east of the bridge warned that it was narrow between the railings on the bridge. Large farm machines found another way around the bridge. Heavy loads just didn't go that way. The old bridge had simply seen a "better day."

On Sept. 17, 1977, a contract was awarded to Saxton Inc. of Leon for \$45,030 to remove the bridge and build a watershed dam in its place with a top width wide enough for a road. Construction was completed before winter and the seeding was done in May, 1978.

This is a story of cooperation. It involves easements granted by the landowners, Ron Guttenfelder and Henry Christensen, who willingly gave up some land. It involves half of the money which came from the Cass County secondary road fund. It involved half of the money and technical assistance from the USDA — Soil Conservation Service. Together, it spells success with another obsolete bridge replaced, an active gully controlled, and another pond to provide acres of wildlife.

Site 47 joins with 32 other completed structures in the Turkey Creek Watershed that are stopping gullies or slowing down floodwaters. Another 72 structures must be built before the watershed project is complete.

Not all structures will be on the roads as is the case with Site 47. When all the needed structures are in service, the annual floods will be greatly reduced. Cooperation will be the key to completion just as it was with Site 47.

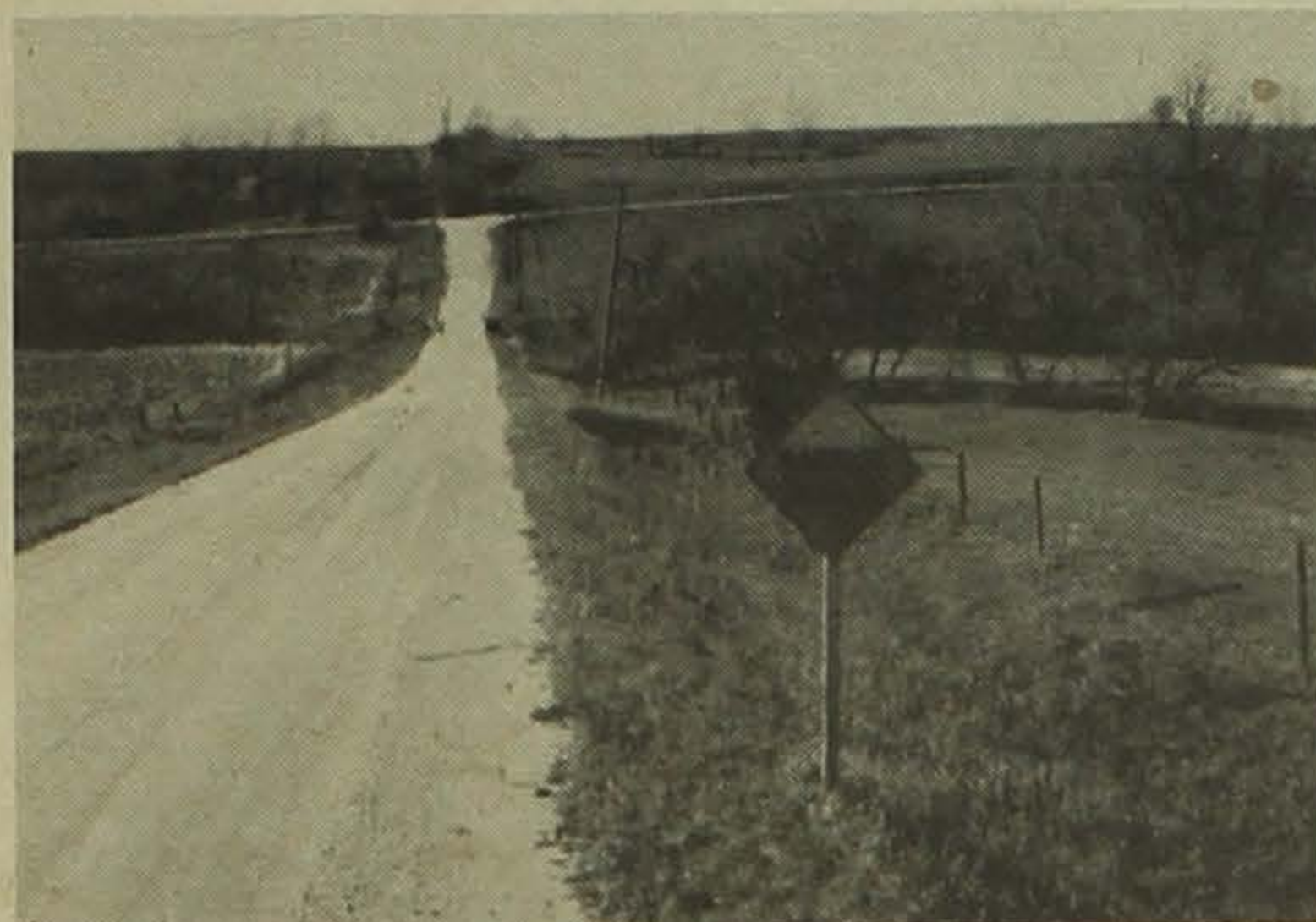
Federal Agency Offers Protection

The Federal Crop Insurance offers insurance protection of oats, corn, and soybeans and the FCIC Office at 1207 Sunnyside Lane in Atlantic services Cass, Audubon, Guthrie, and Shelby counties.

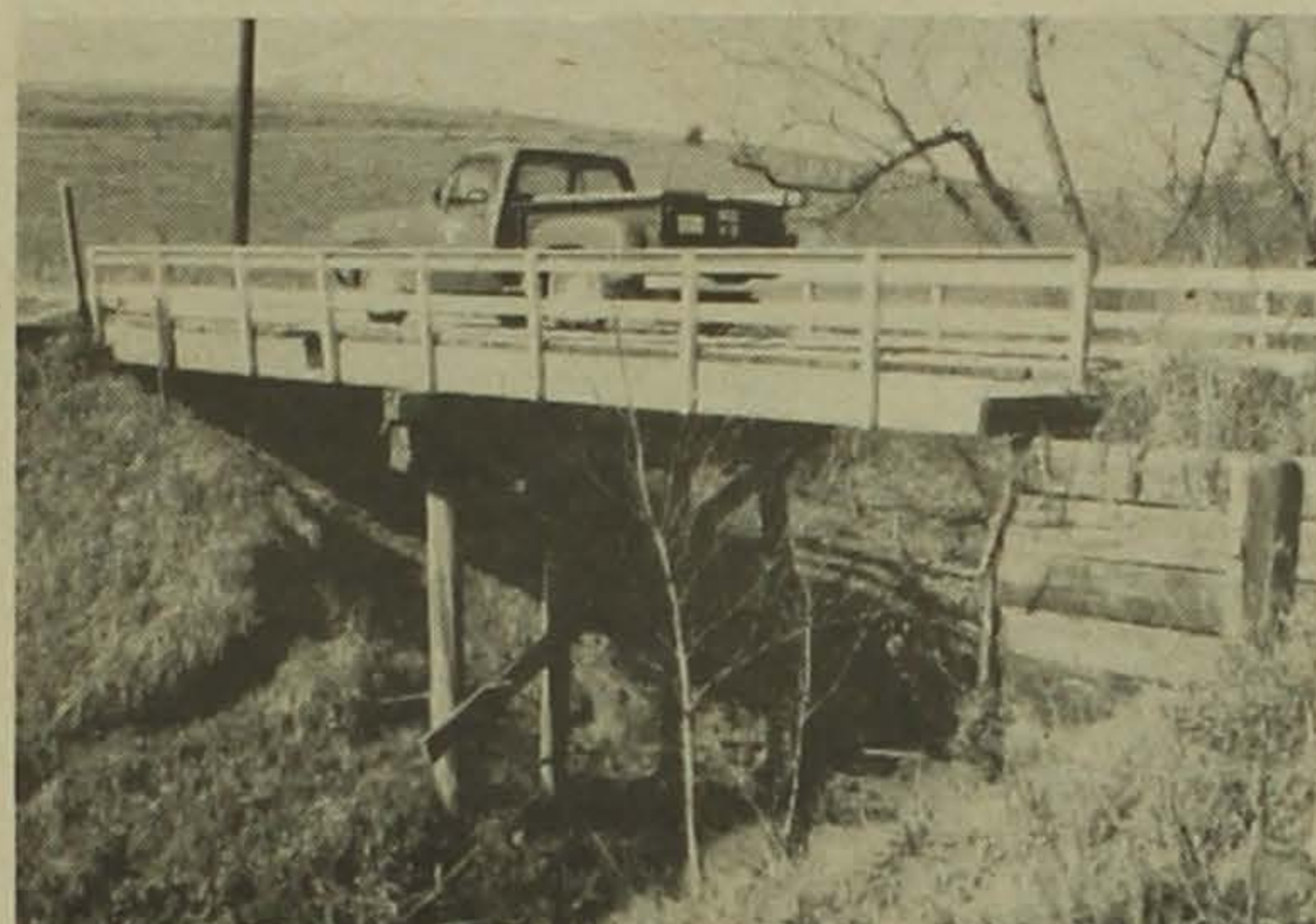
Florence M. Campbell has been the representative in charge of the office since Feb. 3, 1964. Gary Bannister is first assistant representative in charge and Irma E. Nelson is now back with the office having worked with FCIC previously 10 years. Farmer business individual will visit, phone 243-4795, or write as to any question they may desire answered. We are here to help you.

Farmers interested in learning about the programs handled by the office are asked to call 243-4795 or write or visit the office.

Watch out for blind corners.



Narrow bridge sign on Grant Township road.



The old wooden bridge that was replaced.



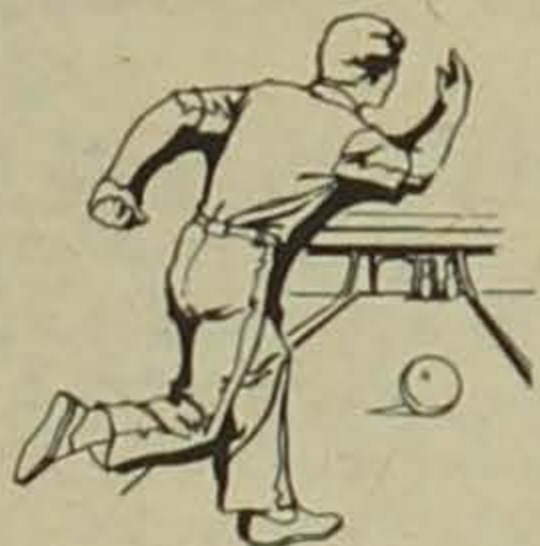
The Grant road as it looks today.

POSITIVE PUMP

DEARBORN, Mich. (AP) — Sylvanus F. Bowser of Fort Wayne, Ind., delivered the first American-made gasoline pump to Jake Gumper in 1885, but the American motorist soon learned to mistrust the device. The pump, which had marble valves and wooden plungers, was not known for delivering

exact measure to motorists.

It was 30 years later that the first "visible-delivery gasoline station," now in the transportation collection of the Henry Ford Museum here, actually let the customer see the gallon of gas flow from the pump, assuring him he was getting his money's worth.



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Plan Now For Energy-Saving Windbreaks

Planning a farm windbreak now may help save on fuel bills and livestock feed costs in the future, says Dan Merrick, Cass County Extension director.

A well-planned farm tree windbreak might save up to 30 percent on winter fuel bills, reports Paul Wray, Extension Forester at Iowa State University.

Farmers interested in planning a tree windbreak can start thinking about a possible location, types of trees to plant, and ordering those trees now during the winter months, says Merrick.

Wray says the windbreak should be designed in an L-shape with one leg on the north and the other on the west. To prevent excessive snow accumulation, it should be located approximately 100 feet away from the area the farmer wants to protect. For maximum protection, the windbreak should extend beyond the area to be protected Wray adds.

Protection

For best protection, conifers should be used in a windbreak. A good windbreak consists of three rows of conifers and one or two rows of shrubs or hardwood trees, though a minimum of two rows of conifers and one row of shrubs may be planted.

Wray suggests a species mix when establishing a windbreak. The same species should be used within a row, but different

species should be planted between rows. This mix of tree species reduces insect problems and disease damage, notes Wray.

Trees planted closest to the house should grow faster and be the largest, he says. The outer rows should grow slower and attain the shortest height. This arrangement will give the best protection from a mature windbreak.

Spacing

Spacing is also an important consideration with a windbreak. For conifers, 18-25 feet should be allowed between rows and between trees within rows. Hardwoods require 8-15 feet between trees and rows, according to Wray, except for eastern red cedar and northern white cedar which should be planted 10-15 feet apart and between rows.

Wray says stock trees for a windbreak may be purchased bare-rooted, balled and burlapped, or container-grown. Bare-root trees are cheaper and usually smaller. Care must be taken to make sure that the root system is kept moist and is not damaged during planting. The other types of stock trees are usually more expensive, says Wray, but may be larger and suffer less from transplant shock.

Trees species should be selected to match site conditions, advises Wray. For a listing of recommended species, farmers may obtain pamphlet Pm-543 from the Cass County Extension Office.

Drip irrigation was first applied to field crops less than 20 years ago, in Israel.



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Chicken-Cheese Roll-Ups Save You Money

AMES, Iowa — With food costs soaring higher and higher, making homemade versions of convenience foods can save you money. For example, instead of buying chicken Kiev or chicken cordon bleu, you can make your own for one-third to one-half the cost, according to Phyllis Olson, Iowa State University extension nutritionist.

She suggests making chicken-cheese roll-ups instead of buying the more expensive frozen convenience products. These products are about one and a half times more expensive than if you buy chicken breasts and make the roll-ups. If you buy whole chicken, the convenience version is three times more expensive.

The roll-ups should be refrigerated for up to 24 hours, so you finish preparation the day before. "Then all you need to do is bake them just before your party," Olson explains.

The chicken-cheese roll-ups also give you some extras. "After boning the four breasts, simmer the bones. You can pick more than a cup of cooked chicken off the bones to use later in a salad, casserole or sandwich. You'll also get about four cups of broth for soup later on," she says.

CHICKEN-CHEESE ROLL-UPS

- 4 whole chicken breasts, skinned and boned
- 4 ounces Cheddar cheese, cut in to 8 strips, each (2½ x 1½ x ½ inches)
- 1 tablespoon chopped parsley
- ½ cup all-purpose flour
- 2 eggs, slightly beaten
- 1 cup fine dry bread crumbs
- ½ teaspoon garlic salt

Cut chicken breasts in half and pound each to ¼ inch thickness. Place cheese strip at short end of each breast. Sprinkle with parsley. Roll up breasts, tucking in the sides. Roll chicken breasts in flour, then in egg. Combine the bread crumbs and garlic salt and roll breasts in mixture. To help hold the shape, chill at least one hour or overnight. Bake at 350 degrees for 45 minutes. Makes 8 servings.

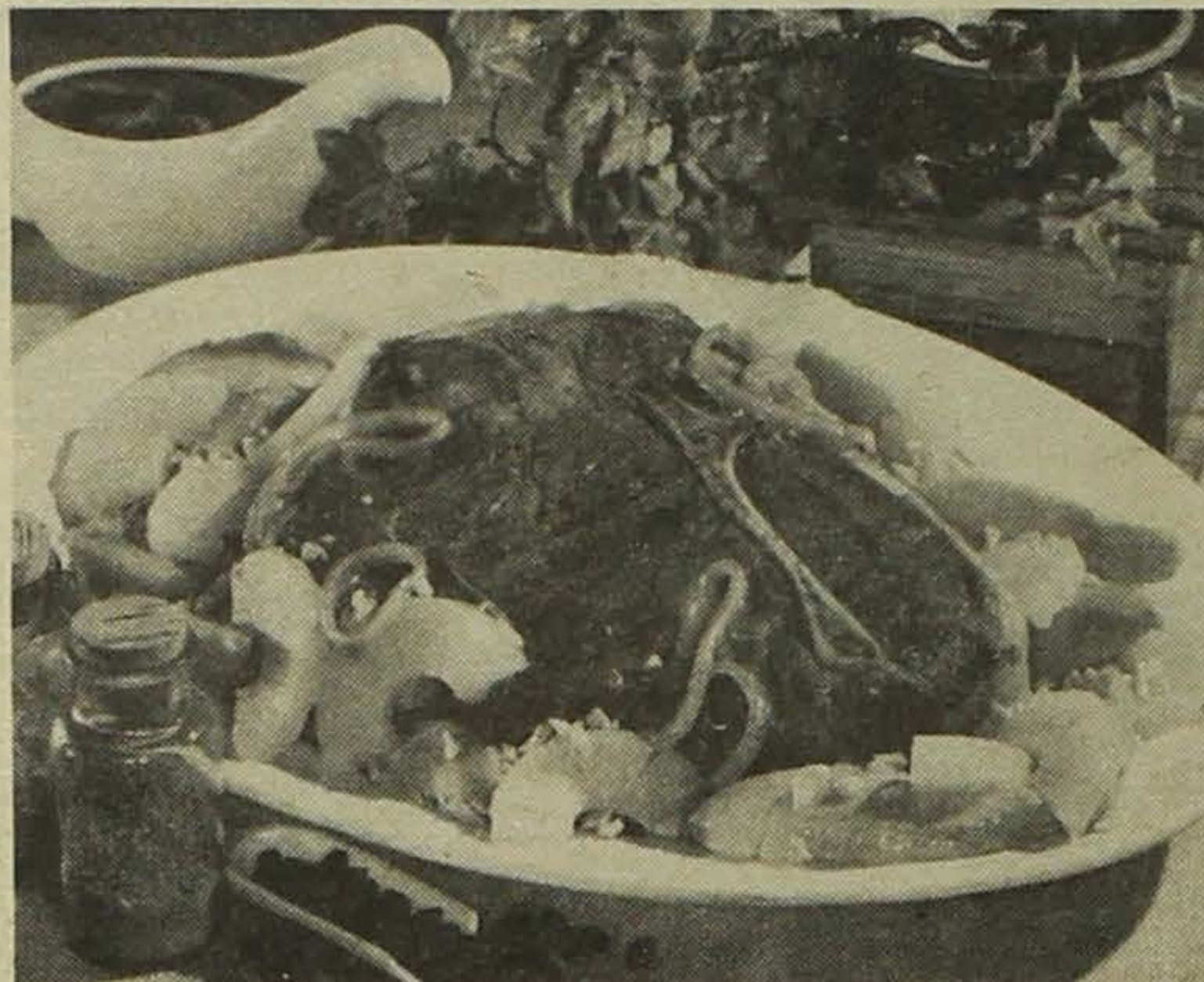
Variations: Use ham strips instead of the cheese or use both. Or replace the parsley with 3 tablespoons chopped mushrooms. Or instead of the garlic salt, add ¼ cup Parmesan cheese and ½ teaspoon onion salt to the bread crumbs.

KIDNEY BEAN RELISH

- 1 large onion, chopped
- 2 1-lb. cans kidney beans, drained and rinsed
- 1 cup diced celery
- 6 hard-cooked eggs, chopped
- ¼ cup sweet pickle relish
- 1 teaspoon curry powder
- Salt and pepper to taste
- Mayonnaise

Mix vegetables, eggs and relish, add seasonings. Add mayonnaise to taste. Chill and serve on greens. Makes 10-12 small portions.

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



Nancy Degner, Home Economist for the Iowa Beef Industry Council suggests Pan American Pot-Roast, a delicious entree with a South American beat. It begins with a pot-roast cut from the beef chuck. The recipe is as easy as "one...two...three...cha-cha-cha." The action begins with step one — browning the meat. Step two injects a bit of Brazilian flavor with a coffee-flavored braising liquid. Next comes the "cha-cha-cha" — the spices, ginger and coriander.

PAN-AMERICAN POT-ROAST

- 3 to 4-pound blade roast
- ¼ cup flour
- 1½ teaspoons salt
- ¼ teaspoon pepper
- 2 tablespoons cooking fat
- 1 tablespoon freeze-dried or powdered instant coffee
- 1 beef bouillon cube
- ½ cup boiling water
- 1 medium onion, sliced
- ½ teaspoon ginger
- ¼ teaspoon coriander
- 4 medium-size sweet potatoes, pared and halved lengthwise
- ½ teaspoon salt
- 1 can (20 ounces) sliced pineapple
- 2 tablespoons chopped peanuts, if desired

Combine flour, 1½ teaspoons salt and pepper; dredge meat, reserving leftover flour. Brown meat in cooking fat in large frying-pan or Dutch oven and place on rack in roasting pan or Dutch oven. Dissolve coffee and bouillon cube in boiling water. Add onion, ginger and coriander and pour over meat. Cover tightly and cook in a 325-degree oven for 1 hour and 15 minutes. Add potatoes; sprinkle with ½ teaspoon salt. Continue cooking, covered, 45 minutes. Drain pineapple, reserving liquid. Add pineapple to pan and continue cooking, covered, 10 minutes or until meat and potatoes are tender. Remove meat, potatoes and pineapple to warm platter. Measure liquid in pan, add reserved pineapple liquid, if necessary, to make 2 cups and return to pan. Blend reserved flour with ½ cup pineapple liquid, add to cooking liquid and cook, stirring constantly until thickened. Cook slowly 2 to 3 minutes. Serve gravy and chopped peanuts with pot-roast.

CHICKEN VEGETABLE SOUP

- 1 3-pound broiler-fryer chicken, cut up
- 4 ribs celery with leaves, cut into 1-inch pieces
- 3 carrots, pared, cut into 1-inch pieces
- 2 turnips, pared, sliced
- 2 large onions, cut in quarters
- Small bunch parsley
- 1½ teaspoon salt
- 6 peppercorns
- 6 to 8 cups water

In large kettle or saucepot, combine all ingredients. Bring to boiling; reduce heat. Cover and simmer 1½ hours until chicken is very tender. Remove chicken from broth. Skim fat from broth. When chicken is cool enough to handle, remove skin and bones and discard. Cube chicken and return to broth. Simmer 5 minutes or until heated through. Correct seasoning. Makes: 6 to 8 servings.

+Note: If desired, chicken may be reserved for sandwiches, salads or for other recipes calling for cooked chicken.

WINTER VEGETABLE MELANGE

- 4 carrots, pared and thinly sliced
- 4 parsnips, pared and thinly sliced
- 4 turnips, pared and thinly sliced
- 2 yellow onions, peeled and sliced
- 2 medium zucchini, unpared and sliced
- ½ head cabbage, cored and

shredded

- 1 large potato, peeled and thinly sliced
- 1 can (13¾ ounces) chicken broth
- 2 garlic cloves, minced
- 1 teaspoon dried leaf basil
- 1 teaspoon dried leaf thyme

Vegetables may be sliced with a sharp knife or cut with the slicing disk of a food processor. Combine vegetables and remaining ingredients in a buttered 4-quart casserole. Cover. Bake in 375-degree oven 40 minutes, until vegetables are tender. Serve hot. Makes: 8 servings.

LIVER SPREAD

You can keep a small container in your freezer and save chicken livers, then thaw and use.

- 8 chicken livers (about ½ pound), halved
- 1 tablespoon butter
- 2 large eggs, hard-cooked and halved
- 2 tablespoons mayonnaise
- 1 tablespoon chili sauce
- ¼ teaspoon salt
- Pepper to taste

In a 6- to 8-inch skillet in the hot butter, brown livers over fairly gently heat just until barely cooked through. With metal blade in place, turn livers and skillet drippings into a food-processor bowl; add remaining ingredients; process until blended. Chill. Makes about 1 cup.

Don't drive if you drink!

NO-BAKE BANANA CARMEL CUSTARD

- ¾ cup sugar, divided
- ¼ cup water
- 2 envelopes unflavored gelatine
- ½ cup cold milk
- 1 cup milk, heated to boiling
- 4 eggs
- 1½ teaspoons vanilla extract
- 6 ice cubes
- 1½ cups thinly sliced ripe bananas
- (2 medium bananas)

Melt ½ cup sugar in large, heavy skillet over low heat until golden; add water slowly and carefully, stirring constantly (take care steam does not burn hand). Heat slowly until caramel completely dissolves. Pour caramel into six 6-ounce custard cups; rotate cups to coat bottom; set aside.

In a 5-cup blender container, sprinkle unflavored gelatine over ½ cup cold milk. Let stand 3 to 4 minutes. Add boiling milk; cover and process at low speed 2 minutes. Add remaining sugar, eggs and vanilla. Add ice cubes, one at a time, and process at high speed until ice is melted. Pour into large bowl; chill, stirring occasionally, until mixture is consistency of unbeaten egg whites. Fold in banana slices. Spoon mixture into prepared custard cups; chill until firm, about 1 hour. To serve, loosen edges of custard with knife; invert into dessert dishes. Yield: 6 servings.

YANKEE BEAN CHOWDER

- 1 package (1 pound) dried pea beans or navy beans
- 4 cups water
- 2 beef bouillon cubes
- 2 onions, thinly sliced
- 2 potatoes, pared and diced (about 2 cups)
- 1 tablespoon butter or margarine
- 1 tablespoon flour
- 4 cups milk
- ½ teaspoon each salt, dried leaf thyme and dried parsley
- 1 teaspoon Tabasco pepper sauce
- ¼ pound bacon (5 slices), cooked and crumbled

In large saucepan or kettle cover beans generously with water, cover and soak overnight. Drain beans and return to pan. Add 4 cups water, bouillon cubes, onions, and potatoes. Simmer for 2 hours until beans are tender. Blend butter and

Smoked Pork Teams With Vegetables For Hearty Entree

Winter-whipped appetites can be supremely satisfied when a pork smoked shoulder roll is teamed with vegetables to simmer together in a pot for a wholesome meal. This compact boneless cut provides an especially flavorful and nutritious entree when carrot, turnip and onion slices share the platter. Whole allspice and crushed red pepper give added zip.

It's an economical choice too, points out Reba Staggs, National Live Stock and Meat Board home economist.

SMOKED PORK PLATTER

- 1 smoked pork shoulder roll (1½ to 2 pounds)
- 6 whole allspice
- Water
- 6 medium turnips, pared
- 6 medium carrots, pared
- 1 large onion
- ¼ teaspoon crushed red pepper

Place smoked shoulder roll in Dutch oven; add allspice and water to barely cover. Cover tightly and cook slowly 1 hour and 30 minutes. Cut turnips, carrots and onion crosswise in slices ¼ inch thick. Remove meat to carving board and pour off all but 1 cup cooking liquid. Place turnip, carrot and onion slices in cooking liquid and sprinkle with pepper. Carve shoulder roll in slices ½ inch thick and place on top of vegetables. Cover and cook slowly 30 minutes or until vegetables are tender. Remove meat and vegetables from cooking liquid and serve on hot platter. 8 servings.

New drug application approved by the Food and Drug Administration in 1978 had been in the works for an average of 33.7 months.

flour and add to kettle with milk and remaining ingredients. Simmer 10 to 15 minutes longer. Yield: 3 quarts.

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Can Iowans Afford To Wait On Soil Control?

By Lawrence G. Vance
Director
Iowa Department of
Soil Conservation

The soil conservation ethic in Iowa, and particularly in Cass County, is good! The many activities reported by the Cass County Soil Conservation District reflect the leadership of district commissioners, G. M. Baier, Tom Magill, George Hosfelt, Lawrence Blunk and Max Miller. The work of the department of soil conservation employee, Carolyn Wilson, and the Soil Conservation Service employees, William Willis, William Eyberg and Duane Ortgies, assigned to the district is apparent.

I believe that leadership by 500 locally elected commissioners in the state's 100 soil conservation districts has been time tested and is an excellent way to provide state and federal assistance to landowners and operators. Commissioners are in charge of determining program needs, establishing priorities for state and federal agency assistance, and writing a local plan of action.

Iowa has been richly blessed with a blend of fertile soil, a favorable climate, and a topography which allows it to lead the nation in corn and livestock production and rank second in soybean production. Continued ability to produce, however, is contingent on how we treat our soil.

Inventory

In 1978 a county-by-county inventory of soil conservation treatment needs completed by district commissioners revealed that of nearly 27,000,000 acres of cropland in Iowa, an estimated 14,000,000 acres have an average annual soil loss, due to water erosion, exceeding the rate at which soil replaces itself. There are an estimated 4,000,000 acres of land where wind erosion is depleting the soil resource. Currently, 9,000,000 acres are considered adequately treated.

These facts are startling in view of the effort many soil conservation minded citizens have made over many years. We must realize, however, that the move to more intensive row-crop production has caused the conversion of many erosion-prone soils protected by grass or rotation farming to intensive row-crop production.

An estimate of the conservation practices necessary to control erosion on cropland was also made in 1978. We found, for example, that at our current rate of installing terraces contrasted to the total amount needed, it will take 150 years to get the job done. Other examples of conservation accomplishment rates are equally disturbing and prompt the question: "Can we afford to wait?"

Tillage Reduction

Perhaps reductions in tillage are part of the answer. We know that if 55 percent of the surface remains covered with crop residue, erosion can be reduced dramatically. Soil scientists estimate that if residue were kept in place until the crop germinates in the spring, 60 percent of Iowa's land can have erosion losses reduced to the rate at which soil replaces itself. On other lands, erosion can be significantly reduced and we can "buy time" until cost-intensive structural methods, such as terraces, can



be installed.

Water quality and water control for flood prevention are also concerns of soil conservation district commissioners. Sediment has been identified as the number one pollutant, by volume, of our waters. Sediment plugs drainage outlets, reduces capacity in reservoirs and watercourses, and degrades water for recreational use. Aquatic life and food chains in watercourses are also affected. Sediment and other land runoff pollutants increase water treatment costs and dredging of deposited sediment costs money we would rather see spent elsewhere.

If erosion can be controlled, topsoil — important for agricultural production — can be retained and sedimentation — a prime contributor to pollution — can be reduced.

General Assembly

The 1979 session of the 68th Iowa General Assembly expressed concern on how the Iowa soil conservation program can be accelerated. As a result, an interim study committee has been assigned to review the issues and report its findings back to the legislature. Four field meetings have allowed hundreds of Iowa citizens to meet with legislators and identify possible alternatives to consider in accelerating the state's soil conservation program.

The Department of Soil Conservation has analyzed citizen feelings expressed at Resource Conservation Act meetings and is working with soil conservation districts in evaluating current assistance programs and developing new long-range programs to meet the needs identified at county-by-county hearings in 1978.

The state's 208 water quality plan has been completed. Input from soil conservation district commissioners and other county residents on county resource coordinating committees and conservancy district advisory committees has been consolidated into the nonpoint source pollution control plan elements. The issues identified in this process were reviewed by the legislative study committee on soil conservation.

Land Policy

Recommendations of the Temporary State Land Preservation Policy Commission, consolidating the 99 temporary county land preservation policy commissions' recommendations, have been given to the Iowa Legislature. An interim study committee is reviewing the recommendations for consideration in the 1980 session of the Iowa legislature.

The planning effort has been valuable; however, now is the time of implement an action program to resolve the soil erosion problem.

Soil conservation begins at home. When landowners become aware of the damages caused from erosion and sedimentation, they usually attempt to correct the problem. The major problem is creating the awareness.

Erosion often is gradual and goes unnoticed. One-twelfth inch of topsoil blown or washed from an acre annually equals a loss of nearly 13 tons of topsoil in a year.

In simple language, 13 tons of topsoil would equal 230 bushels in volume. On the basis of a 115 bushel corn yield per acre, that means that two bushels of topsoil are lost for every bushel of corn produced.

Yet, few notice the loss of one-twelfth inch of topsoil per acre unless it creates small gullies and makes field operations difficult, or unless it covers up seedling plants at the base of a slope, or fills a drainage ditch.

To overcome the soil erosion problem will take a commitment from local, state and federal agencies, as well as landowners. Sustaining the ability to produce food and fiber needs for future generations and improving water quality are compatible goals that must be accomplished because the alternative consequence is too grim to consider. The dedication of soil conservation district commissioners striving to meet these goals deserves the support and appreciation of the community.

A crewman on a British trawler in the North Sea is 17 times more apt to die than workers in other industries.

Cass District Receives Conservation Award



Tom Magill (left), Max Miller (center) and G. M. Baier with plaque.

By Bill Willis

The Cass County Soil Conservation District was the recipient of the 1979 Omaha World-Herald Conservation Recognition Program. The award is made to agriculturists who strive to serve the nation's food and fiber demands.

The World-Herald has sponsored the recognition program for 30 years in Southwest Iowa. In the history of the program over \$100,000 has been invested to bring recognition to outstanding agriculturists.

The Cass district received a large engraved plaque to permanently record the recognition.

In addition, a cash contribution for use in the District program was received in the amount of \$175. The cash award will be used to hold the annual awards Banquet in May, to continue the minimum tillage display at the Cass County Fair, and to support the educational contests carried out in the schools in the county.

The Cass County District Commissioners are George Hosfelt, G. M. Baier, Tom Magill, Lawrence Blunk and Max Miller. The three assistant commissioners are Bill Fudge, Gilbert Wehrman State Rep. and Wendell Pellett.

PILGRIMATE

UKIAH, Calif. (AP) — Two Caucasian, Midwest-born college-graduate Buddhist monks were almost at the end of their 2½ year pilgrimage from Los Angeles to the City of 10,000 Buddhas, the Buddhist enclave in Talmage, as they passed here recently.

Heng Sure, 29, and Heng Chau, 32, had been bowing their way up the 800-mile length of California since 1977.

Heng Sure had taken a full

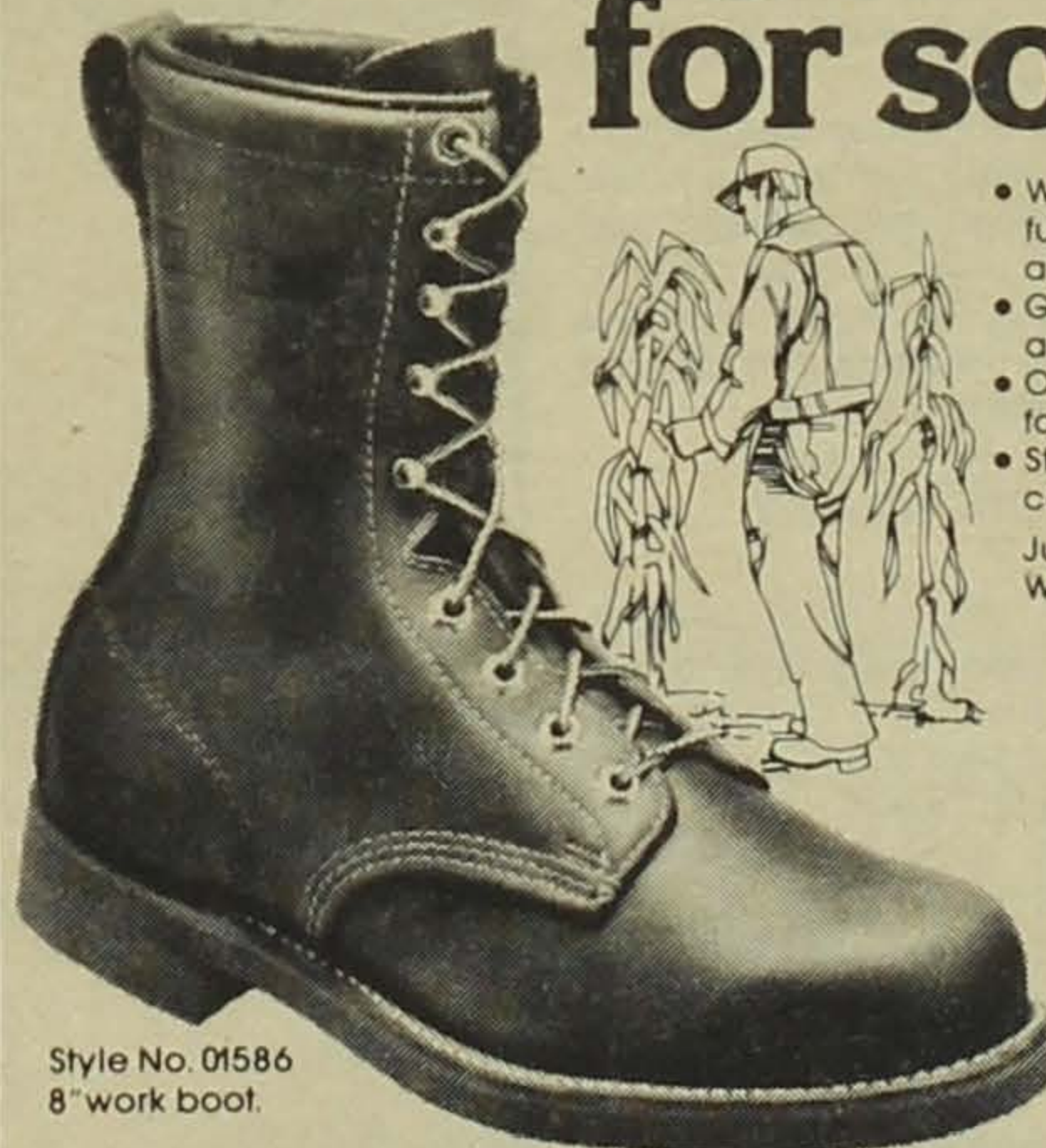
bow to the ground every three steps along the way. Heng Chau had followed nearly the same routine, cooking their single daily vegetarian meal and driving their station wagon in which they slept at night. Heng Chau drove the car ahead of their bowing route each day, walking back to join Heng Sure.

The monks once said they had undertaken their pilgrimage to rid themselves of greed, anger and stupidity and also to inspire others to work toward peace in the world.



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Soil And Water Conservation Given Special Extension Help

By Dan Merrick
Cass County
Extension Director

Conservation of soil and water is one of the major areas emphasized by Extension programs throughout the county on a year-around basis. Through individual consultation with farmers, both in the office and on farm sites, planning and designing of farm crop rotations and proper land use, becomes the basis for major decision-making in designing efficient crop-production practices in the county.

Specific emphasis has been placed on the conservation of natural resources as well as energy through various meetings and seminars held throughout the county and within the area. Specialized field days are held to place emphasis on proper land use, the use of new tillage equipment that reduce soil losses and conserve water.

Numerous publication are made available to the public free of charge, reporting the latest research findings for improved methods of tillage, pasture improvement, proper land use, crop varieties, new seeding techniques, and methods of increasing income by use of proper conservation-related crops.

Many of the 27 4-H clubs in Cass County place special emphasis on soil and water conservation and the conservation of natural resources, utilizing reference materials available from Extension publications and research, the 4-H members prepare special programs at regular monthly meetings, present educational presentations, both in the club and on a county basis, and in addition, some clubs have placed special emphasis on



holding overnight conservation camps and specialized field trips studying various conservation practices.

A major effort has been set forth by the Extension Service to call attention to the conservation of natural resources with a series entitled "Conservation of Land, Water and Energy".

Specialized kits have been prepared called package programs which feature specialized programs utilizing slides and scripts along with discussion guides that are made available to individuals, organizations, to use as programs for their meetings. These programs are available on a check-out basis and are in high demand throughout the county.

A special emphasis will be placed in 1980 on tree planting throughout the county with the 4-H clubs carrying on a special community project of tree-planting and proper landscaping.

subsoil for a good seed bed.

In several counties the supervisors are cost sharing for conservation practices and \$465,000 was spent in Iowa by several counties with money from special funds.

Help Available

If you have some ideas of doing something to protect your soil, the office force at the SCS office is ready and willing to assist you. They have years of experience in the field of conservation. The SCS office has been informed that ASCS has money to help with soil saving ideas, too.

Soil conservation has been in force 40 years. Let us all put our shoulders to the wheels and make the next 40 years better by keeping Iowa soil where it was when the earth was created many, many years ago.

DELIVERED

PASADENA, Calif. (AP) — Alfred Molina got a letter delivered—after 11 years. But this time the U.S. Postal Service was innocent.

Molina used to be senior purser with the Matson Navigation Co. On April 24, 1968, while on a voyage to Hawaii, he dropped overboard a bottle containing his name and address.

All this time the bottle has floated in the Pacific until it was discovered recently by a scientist studying seals on an island 800 miles northwest of Hawaii.

Wrote the finder: "Slightly wet, the typed note was in much better condition than most of the others we've found."

'79 ANNUAL PREVENT SOIL EROSION



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

We, the Cass County Soil Conservation District Commissioners, wish to express our thanks to all those named below, as well as many others in the area, for their fine cooperation over the years in helping to advance the cause of Soil and Water Conservation in Cass County. We feel a great responsibility in conserving our most valuable natural resources — the soil and water — for future generations and only with the help of everyone can this goal be realized. We thank all those who have helped us to advance in this great enterprise.

SOIL CONSERVATION DISTRICT PERSONNEL

Carolyn Wilson

USDA — Soil Conservation Service (SCS)

District Clerk

Bill Willis
Gene Eyberg
Duane Ortgies

District Conservationist
Soil Conservation Technician
Soil Conservation Technician

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

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County Exec. Director
Feed Grain, Compliance
ACP and Price Support
Administrative

ASCS COUNTY COMMITTEE

Charles Miller

Roderick Kunze

FARMERS HOME ADMINISTRATION (FmHA)

Folmer Nelson
John F. Hartford
Bruce A. Jordan
Modonna A. Nisson
Diane Larson
Denise Seibert
Gary W. Ludington
Forrest D. Vermillion
Samuel L. Irvin
Shirley A. Winston
Debra Luke

County Supervisor
Asst. County Supervisor for emergency loans
County Office Assistant
County Office Clerk
Multi-occupation Clerk
District Director
Asst. District Director
Asst. Co. Supervisor at Large
District Loan Assistant
District Office Clerk

FEDERAL CROP INSURANCE

Florence Campbell
Gay Bannister
Irma Nelson

Representative in Charge of Office
Assistant Representative
Assistant Representative

Conservation Will Stop Soil Loss On Iowa Farms

By William A. Fudge
Cass County Soil
Conservation Commissioner

All farm magazines have written articles on soil loss for years, but the last 18 months all segments of society have begun to realize the value of the soil that is lost through improper cropping and improper tillage.

There is no set rule on the methods of saving soil. Soil loss begins when we start planning our crop rotation. Planting beans on poorly protected slopes is asking for trouble.

Many think that saving soil means using only terraces. That is not true, although it is a favorite method of mine. I like terraces that are used near the top of slopes to keep the water from running down hill so far.

Another method of saving soil is to use crop rotation with some years of grass; for steeper slopes there is strip farming.

Erosion Loss

How many more years can we keep losing top soil at the rate it is leaving now? In 1977 an estimated 261,000,000 tons of Iowa soil was lost to erosion, or an average of 9.9 tons per acre on all crop land in Iowa.

The figure is set at \$2.70 per ton for all soil lost. This not only includes the earth that leaves, but also the fertilizer that it takes to bring the fertility back for normal crops and all the extra fuel it takes to prepare the

REPORT

COMMISSIONERS ACTIVITIES

JANUARY

Spot check of conservation practices was conducted.
Mr. White, soil conservationist, made a presentation on "Planning for Conservation Practices" to the adult farmer class at Elk Horn.
Bill Willis and Gene Eyberg completed a resource inventory for the Board of Supervisors and affected landowners in Highway Drainage District No. 3 - Griswold area.

FEBRUARY

Turkey Creek Watershed meeting held in Anita.
State engineer, Dewey Bondurant, reviewed a set of experimental "narrow-base" terraces on the Art Friday farm.
Sign-up period for State cost-sharing - 34 applications received.

MARCH

Contractor's meeting was held at the 4-H building. Free pancakes and sausage were prepared and served by Commissioners and wives.
Sponsored poster contest for all 5th grade students in the county.

APRIL

Sponsored a conservation workbook contest for all 6th graders in the county.
Offered a scholarship for an area teacher to attend the Iowa Teachers Conservation Camp.
Purchased and distributed soil stewardship materials for use by all churches in the county.

MAY

Held annual awards banquet for the winners of the 5th grade poster contest and 6th grade workbook contests, their families and teachers. Larry Stone, outdoor writer for the Des Moines Register and Tribune, was the speaker.
Cash awards given to 5th grade winners and trophies to 6th grade winners.
Crooked Creek Watershed meeting held at Allen Ticknor's home.
Bill Willis conducted 6th grade conservation tours.

JUNE

Mr. White left to begin duties at Rockwell City.
Leannurra, summer trainee, arrived to begin duties.
Gene Eyberg attended Environmental Science Course at Lincoln, NE.
Joe Ortgies attended a training course for technicians at Springbrook State Park.
Gilbert Wehrman, watershed inspector, submitted the Operation and Maintenance Inspection Report for Crooked Creek Watershed and Turkey Creek Watershed.
Bill McGill, state field representative, met with the Commissioners to revise the District long-range program.

JULY

Assault complaint was investigated by the Commissioners.
Leannurra attended a training session in Des Moines and Audubon.
Requested assistance from the State Conservationist in determining the extent of wildlife mitigation for Turkey Creek Watershed.

AUGUST

The District sponsored a Cass County fair booth highlighting the Conservation Education program. They also sponsored an outdoor exhibit featuring minimum tillage system.

SEPTEMBER

Allocated funding to help sponsor a soil judging contest for FFA Chapters in southwest Iowa.
District's outstanding teacher entrant, Dudley Humphrey, was chosen a regional winner in the Iowa Soil Conservation Awards Program.
Voted to finance 1/2 the cost of teachers wanting to attend a workshop at Springbrook.
Commissioners attended the soil conservation interim study committee hearing at Red Oak.
Held Turkey Creek Watershed Directors meeting.

OCTOBER

Commissioners met with SCS officials, Cass County Board of Supervisors and landowners in regard to Turkey Creek Watershed.
Met with ASCS for the 1980 ACP program development meeting. A special project application to be submitted for additional funds to accelerate upland treatment in Turkey Creek Watershed - Part 8.

NOVEMBER

Regional Commissioners meeting at Walnut.
LTA annual status reviews completed.

DECEMBER

Received merit award plaque and cash award from the Omaha World Herald for being the outstanding Soil Conservation District in Western Iowa.
Commissioners attended the annual conference held in Des Moines December 12-13.

ACCOMPLISHMENTS

CONSERVATION PRACTICES APPLIED IN 1979

New District Cooperators	No.	12
New Conservation Plans	No.	12
Conservation Plan Revisions	No.	2
Ponds	No.	11
Grade Stab. Structures	No.	1
Critical Area Treatment	Ac.	21
Terraces	Ft.	175,075
Grassed Waterways	Ac.	9.4
Contour Stripcropping	Ac.	18
Diversions	Ft.	4,950
Tile Drainage	Ft.	88,135
Wildlife Habitat Developed	Ac.	4
Cropland Adequately Protected	Ac.	568
Pasture and Hayland Adequately Protected	Ac.	333
Farmstead and Feedlot Windbreaks	Ac.	5.6

FINANCIAL REPORT

1-M Budget (Commissioners Expenses)			
Allocation	\$1,915.00		
Commissioners Mileage			\$1,184.12
Office Supplies			174.86
Printing			14.30
Office Expense			252.05
Meeting Expense			170.00
Released			119.67
Total			\$1,915.00
2-M Budget (District Clerk)			
Allocation	\$11,435.00		
Clerical Salaries			\$10,053.04
Travel			6.75
Equipment			70.00
Insurance			533.48
Released			771.73
Total			\$11,435.00
3-M Budget 1978-79 Fiscal Year			
Allocation	\$67,000.00		
Warrants paid-annual			\$48,968.58
Warrants paid-LTA			4,685.00
Work started but not complete			13,327.80
Funds released			18.62
Total			\$67,000.00
1979-80 Fiscal Year			
Allocation	\$70,000.00		
Warrants paid-annual			\$33,159.57
Warrants paid-LTA			1,957.87
Work started, but not complete			32,342.50
Balance unobligated			2,540.06
Total			\$70,000.00
District Revolving Fund			
Balance on hand 12/31/78	\$338.74		\$18.00
Income			\$456.74
Balance on hand 12/31/79			
Cooperator Club			
Balance on hand 12/31/78	\$1,146.90		\$2,293.83
Receipts			\$2,142.54
Disbursements			\$1,298.19
Balance on hand 12/31/79			

SPONSORS

Atlantic State Bank
Home Federal Savings & Loan
Heritage Federal Savings & Loan
Griswold State Bank
Agricultural Production Credit Association
Federal Land Bank of Harlan
First Whitney Bank & Trust
Anita State Bank
Farmers Savings Bank of Massena

'79 ANNUAL REPORT

PREVENT SOIL EROSION



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

We, the Cass County Soil Conservation District Commissioners, wish to express our thanks to all those named below, as well as many others in the area, for their fine cooperation over the years in helping to advance the cause of Soil and Water Conservation in Cass County. We feel a great responsibility in conserving our most valuable natural resources — the soil and water — for future generations and only with the help of everyone can this goal be realized. We thank all those who have helped us to advance in this great enterprise.

SOIL CONSERVATION DISTRICT PERSONNEL

Carolyn Wilson	USDA — Soil Conservation Service (SCS)	District Clerk
Bill Willis	District 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	
Shannon Messinger	Office Assistant	
AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (ASCS)		
Elaine Martens	County Exec. Director	
Marilyn A. Smith	Feed Grain, Compliance	
Sharon L. Boken	ACP and Price Support	
Beverly Donels	Administrative	
ASCS COUNTY COMMITTEE		
Folmer Nelson	Charles Miller	Roderick Kunze
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Memories Of Early Days In Iowa

(Editor's Note — W.S. Whitney, an early Cass County pioneer, wrote the following story about his experiences in Cass County in 1856 and 57. He also served as postmaster from 1866-79 at the community of Whitneyville which was located near Cumberland. Mrs. Enid Jensen of Massena, a granddaughter of W.S. Whitney, supplied the story which was submitted by Mrs. Edith Owens of Cumberland. This is the first of several chapters. No changes have been made from the original wording.)

How well I remember that first summer in Iowa. Think of a boy of 11 years coming out of a city like Oswego and moving into a cabin 12x16 two miles from the nearest neighbor; and thinks me every night that the Indians would come and kill us. (There was really little danger of this but the boy feared it all the same.)

When Father went away from home he took mother and me with him. He made several trips to Winterset after goods for Mr. Gibbs of Fontanell, a store keeper.

And Mother and I stayed at Grandpa Root's during these trips which usually took three days. One day to go out, and two to load and return. Our own Father and Mother could not have been better to their own children than Mr. and Mrs. Root were.

To us that summer they gave the use of a cow. We kept it picketed out near the cabin and when we went away to stay overnight, we led it back and forth with us. We lived on bread and milk and Johnny cake and milk. Had only a very few potatoes until we raised them in the garden.

Grandma Root gave Mother garden seeds. And by the middle of July we had all the vegetables we could use.

Father said "God was on our side because every thing we

planted brought forth an abundant harvest."

And the thank offering that went up morning and evening from that old cabin was all he received in return for his kindness. But it paid to serve God.

But let us not forget the cornfield. It had been planted and bushed down and the Fourth of July was just up enough so that the rows could be seen.

Father made him a wooden A harrow. He put wooden pins through the harrow about 16 inches in length. By the time it had got too high to use this, he had been over ever row four times. How that corn did grow. There were no weeds in it for the fire in the spring had killed all the weed seed.

Father went through it twice with a little single harrow and one horse. I have heard Father say that we had roasting ears in eight weeks from the time it was planted, and it was big dent corn at that.

Father had a good span of horses, but they did not have a bit of grain that summer, only when they were on the road to Winterset and back until we raised it ourselves.

But they, like us, did not complain and were always ready for their work or feed. And by cold weather they did not know that they had not had any grain all summer.

Right well do I remember that first year in Iowa, the year

1856, following the severe winter of 55-56. Uncle John Whitney, a half brother of my Father's father, lived in a little cabin in the timber two miles west of Fontanell.

The cabin was so small that there was no room for any but his own family. So we camped in our covered wagon and two of Uncle John's boys slept with Father and me in the wagon. And mother slept with the children in the house.

Father decided not to go any father that season, but to try and raise something to live on. There was an old deserted log cabin down on the creek bottom on the west side of Vauter's grove on the middle Nodaway Creek. The cabin no floor. One side of the roof covered with old boards, and the other side with dirt. We moved into this cabin about the first of June.

Adjoining this cabin was 10 acres of bottom land that had been broken up two years before and a crop of corn raised on it. The year before we came it had not been farmed, but had grown up to weeds (not grass) as high as a horse's back.

Grandpa Root (He was Mrs. Sam Holiday's father) lived about two miles from us and he advised Father to put this in corn. The spring rains had made the creek rise so high that it had washed the weeds down flat. This made a coat of manure from four to six inches deep. By this time in the spring

the grass and weeds had got a good start and were too green to burn any where only where this mass of dead weeds was.

Grandpa Root and his son, Abner, came down and helped Father burn it off. And when it was burned over there was not a thing left but a coat of ashes. That night it rained enough to soak the ashes into the ground.

The next morning, Grandpa Root and Ab came over early with a team and plow and seed corn. Father had gone up to Uncle John Whitney's and got a plow. Grandpa R and Father struck out a land for each of them.

After they had gone one round, Mother and Uncle Ab dropped the corn in the furrow, one or two kernels a foot to 18 inches apart. They plowed the ground not more than four inches deep and covered the corn with the new furrow. It was my task to shell the seed corn and I done it. In two days, the ground was plowed and the corn planted. The next day Father went into the grove and cut three large light brush and spent two days brushing it down 'till it was as smooth as a floor and as fine as a garden.

(To be continued.)

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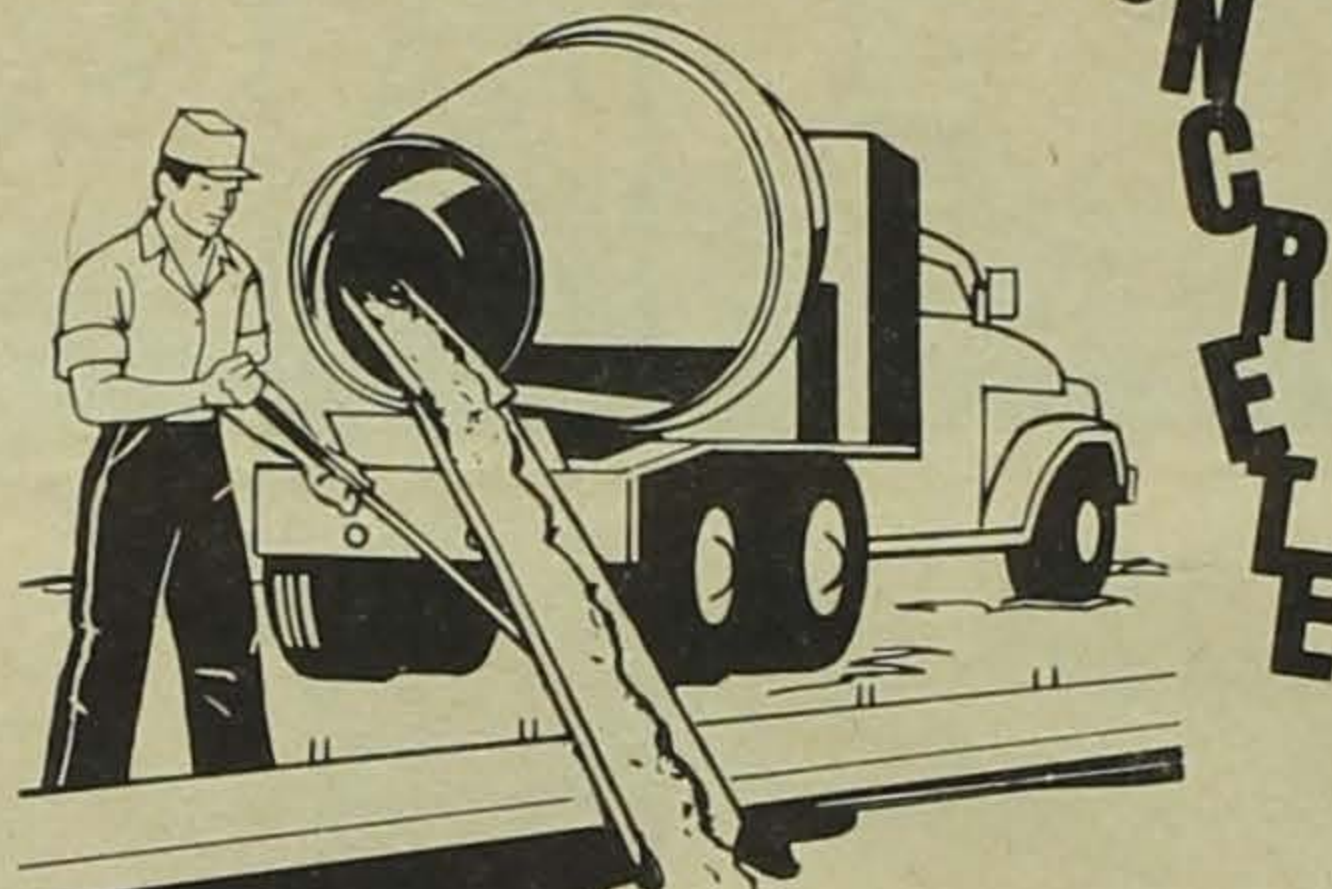
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Contestant Wins Silent Victory

PORT ORANGE, Fla. (AP)

The crowd at the Silver Sands Bridle Club horse show went wild when first place was awarded to a young woman on a big Appaloosa. But the winner wasn't listening.

Josie Meyer has been deaf since birth.

It wasn't until someone flashed her a victorious hand signal that she knew the blue ribbon was finally hers.

For Miss Meyer, 21, it was the end of a long climb.

A 1976 graduate of the Florida School for the Deaf and Blind in St. Augustine, Miss Meyer began competing in horse shows in the Daytona Beach area two years ago. She and her mother, Billie, moved to nearby Ormond Beach from Miami five years earlier.

Josie began devoting all her spare time to her two horses. Her mother laughingly suggested that it would be simpler if Josie just moved out of the house and into the barn.

Josie managed some fourth- and fifth-place ribbons, but no first-place finishes.

She toiled through six months of equestrian training under the eye of Julie McKean, a well-known instructor in the Daytona Beach area. Miss McKean learned sign language to help communicate with Josie.

"Sometimes we didn't understand each other," said Miss McKean, "but we both love horses. She works hard at it because she knows she has to."

Still, no blue ribbon. Even with her new training, Josie suffered a degree of handicap in competition. In horsemanship events, she has to take hand signals from a steward, making for a slightly slower reaction time than competitors who can hear and anticipate a judge's orders given over a loudspeaker.

She practiced more. "She realized she wasn't going to win just because she was handicapped," Miss McKean said.

Which explains why the crowd at the Silver Sands went wild when Josie won her blue ribbon last month.

How does the winner feel? She grins and holds her thumb and forefinger up in a sign that needs no translation — the universal symbol for "ok."

13-Year-Old Trainman Builds Own Train Town



By Margaret Hays
Of Hamlin

Jeff Operates His Train

The mournful whistle of a train and the soft click of wheels is a familiar sound in the Richard L. Petersen home in Hamlin Township of Audubon County.

Jeffrey Petersen has been a "trainman" for the last four years. Now, at the age of 13, he not only runs his model train, but constructs much of the landscape on the train board.

Mountains, valleys, lakes and rivers have been made from papier-mache, the hobbyist's delight. Yards of paper toweling and several quarts of water go through squeezing and shaping to become Jeffrey's world of make believe.

According to his mother, it's a messy process but worth the

time, trouble and crowding in her basement. Jeff spends a lot of time gazing speculatively at unused space near his train board. He plans to expand and, like most real estate developers, worries about the acquisition of nearby property. His mother's to be exact.

Although most of the buildings, trees and other accessories come from kits, Jeff is learning to be innovative when he needs additional materials not found in hobby shops at Atlantic or Audubon. Telephone wires are really black thread and a small boat on his river is made of modeling clay.

Jeff meant to name his town Denver, but misspelled it to Denven. Asked about the spelling, he grins and shrugs his shoulders. After all, it's his town and his train. Why worry?

Zoo Rents Space For Events

CLEVELAND (AP) — Want to rent a zoo?

The Cleveland Metroparks Zoo, battling deficits and decay, is doing some different things — including offering all or part of the zoo for rent to businesses and social groups for special events.

"We rented the entire zoo grounds to the Ohio Recreational Vehicle Association to display their vehicles," Zoo administrator Michael N. Vitantonio said.

The fee for renting the whole zoo for one day is variable but could run \$3,000 to \$5,000, Vitantonio said.

Like the city itself, the zoo faces problems with deteriorating facilities at a time when revenues have been declining. And while attendance has dwindled, the lions and tigers and other exotic animals are growing older, and the care and feeding of keepers and animals alike are increasingly expensive.

Vitantonio, appointed last May, says the deficit has quadrupled over the last 12 years. He told the Zoological Society expenses this year will total \$1.2 million while revenues are projected at only \$840,000, leaving a \$360,000 deficit to be made up by the Metroparks system.

The administrator said one survey done for the zoo esti-

mated it would take \$2.2 million to stop the decay, "just to fix up existing facilities, repairing plumbing, electricity, heating and so forth."

DENVER (AP) — Exie White doesn't ever have to worry about going hungry. She eats weeds.

A botanist and teacher at Colorado Women's College in Denver for 31 years, Miss White says she gets more nutrition out of the weeds in the cracks of her sidewalk than some people get from the produce department of a grocery store.

As she strolls past the rabbit bush, plains daisies and mules ears planted in her yard, Miss White recites the recipes she loves most.

"Sumac seeds make good lemonade. Sunflower seeds are best fried, otherwise they taste like turpentine. And I love to deep-fat-fry chrysanthemum leaves," she says.

Inside her home, dried apples hang on a clothesline, tomatoes dry in a dehydrator, and an array of carefully prepared weeds tempts the palate from a dining table.

There are purslane pickles, pigweed in cheese sauce and Russian thistle in a cream sauce. She offers milkweed and pods in tempura, warning, "Milkweed is poisonous if raw, but not if it's cooked."

The Aurora resident has been spreading the word about the goodness of weeds to students during the past five years.

She says she started teaching her course in weeds because some young people she knew were eating vegetation during their mountain hikes without knowing "how dangerous some of the weeds were."

Miss White also wanted to tell Denver area residents that they could find all the wild greens they needed right in their yards and parks.

The prairies of the plateau that stretches eastward from Denver and Aurora overflows

with edible weeds, Miss White says.

"People think there is nothing from the prairie, so that's where the real instructional part begins," she explains.

Sour dock from the area is one of her favorite foods. "It is an all-purpose plant," she says, offering a slice of sour dock pie. "The rib makes the pie. The blade can be wilted and served with eggs. And the seed, when cleaned and ground into flour, can be made into bread. But it never rises because of the oil in the seeds."

The teacher is also fond of

grass. She says bluegrass is best used in a green drink that tastes, not surprisingly, just like grass. "Grass is a tremendous food. Cows live on it," Miss White points out.

She says she encounters only one problem when offering the bluegrass drink to guests. "It's annoying to most people because it tastes like grass smells," she explains.

It apparently takes a while to get enthused about the taste of newly mowed lawn.

Alligator meat is now being sold legally in Louisiana.

DEKALB CASH AND CARRY DAYS

FEBRUARY 13, 14 & 15

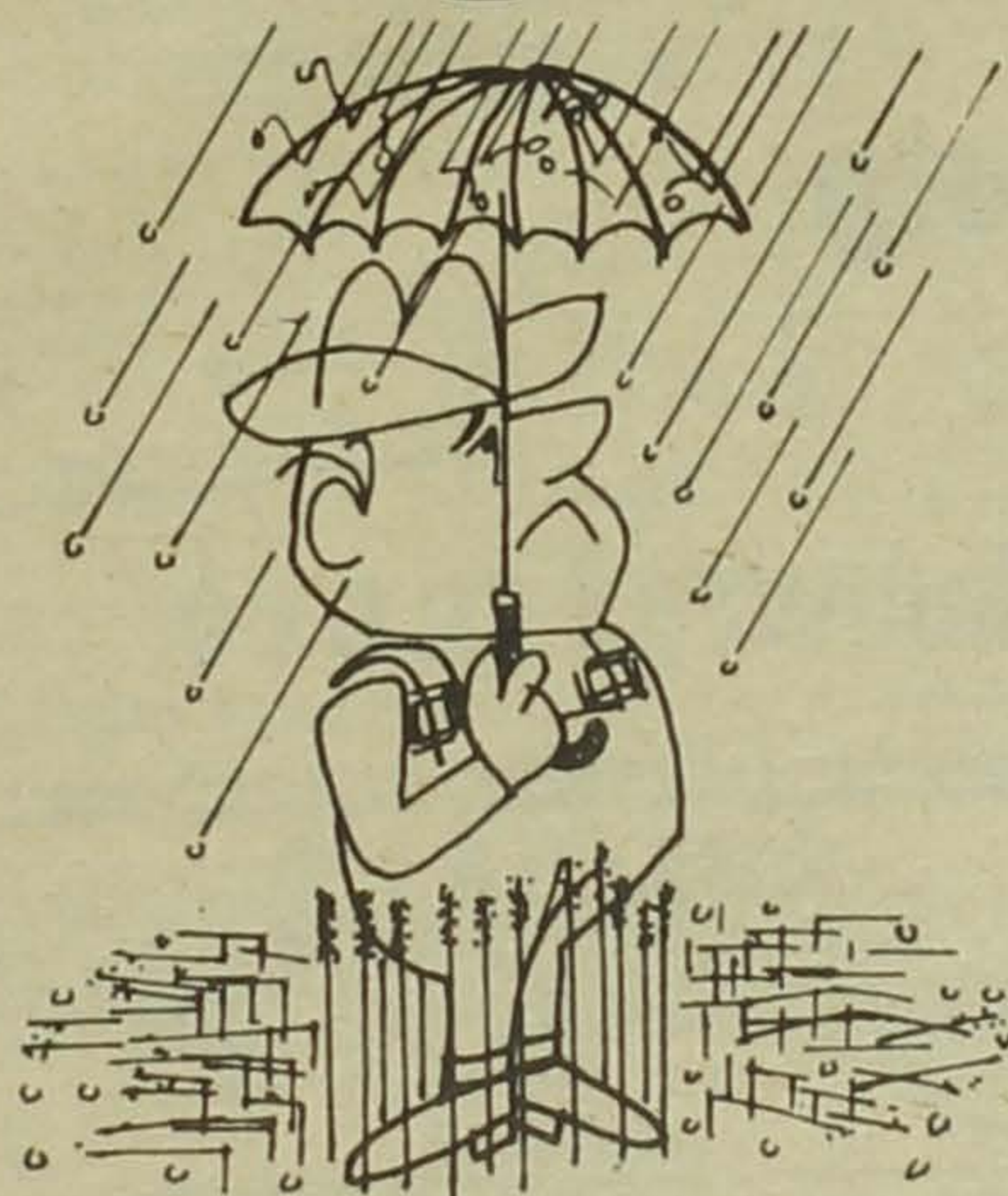
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CURLED EDGES
TOLEDO, Ohio (AP) — Roof shingles with curled edges may mean the beginning of the end for a homeowner's roof.

Curled shingles, says Owens-Corning Fiberglas Corp., a shingle manufacturer, can allow water to penetrate and damage the roof of a home.

Shingles curl when they get old and lose their elasticity, the firm says. Curling can be the first indication that the roof should be replaced.

Crisis Is Getting Closer — Less Land For Each Person

By Steve Stover
Area Conservationist

A crisis is getting closer, but not close enough to get much reaction. You see, this crisis has been getting closer to a focal point for over 40 years, at least since it was first really even recognized. There is one sure bet you can make — conservation will remain at a simmer, until the crisis becomes much greater.

Only one-twelfth of the earth's total surface is inhabited by man. It is this land, which must be divided to fill the multiple needs of a rapidly growing population. Fifty years ago there were 20 acres of land surface for each human. That has now shrunk to approximately 10 acres and by the end of the century it is estimated to be five acres.

This has all taken place, while a great deal of conservation progress has taken place. Yet it is not nearly enough, fast enough. The Soil Conservation Service as the technical arm of



the local soil conservation district, has assisted thousands of farmers to develop conservation plans. They have applied conservation rapidly — yet erosion, the cancer of the land, continues to devour our precious resource — our soil. Some of our progress is limited by landowner interest in conservation. However, in many cases it is the lack of adequate cost

share programs.

Tradition also limits getting a grasp on erosion. Conservation tillage, trash farming or whatever else you wish to call it, is not traditionally acceptable. Yet, this practice has many assets — if landowners would only use it. Namely they are:

- Savings of fuel.
- Significant reduction in erosion, both by wind and water.
- Cleaner lakes and streams.
- Reduction of road maintenance costs.
- Savings of fertilizer and soil amendments.
- Extended life span of terraces and many other conservation practices.

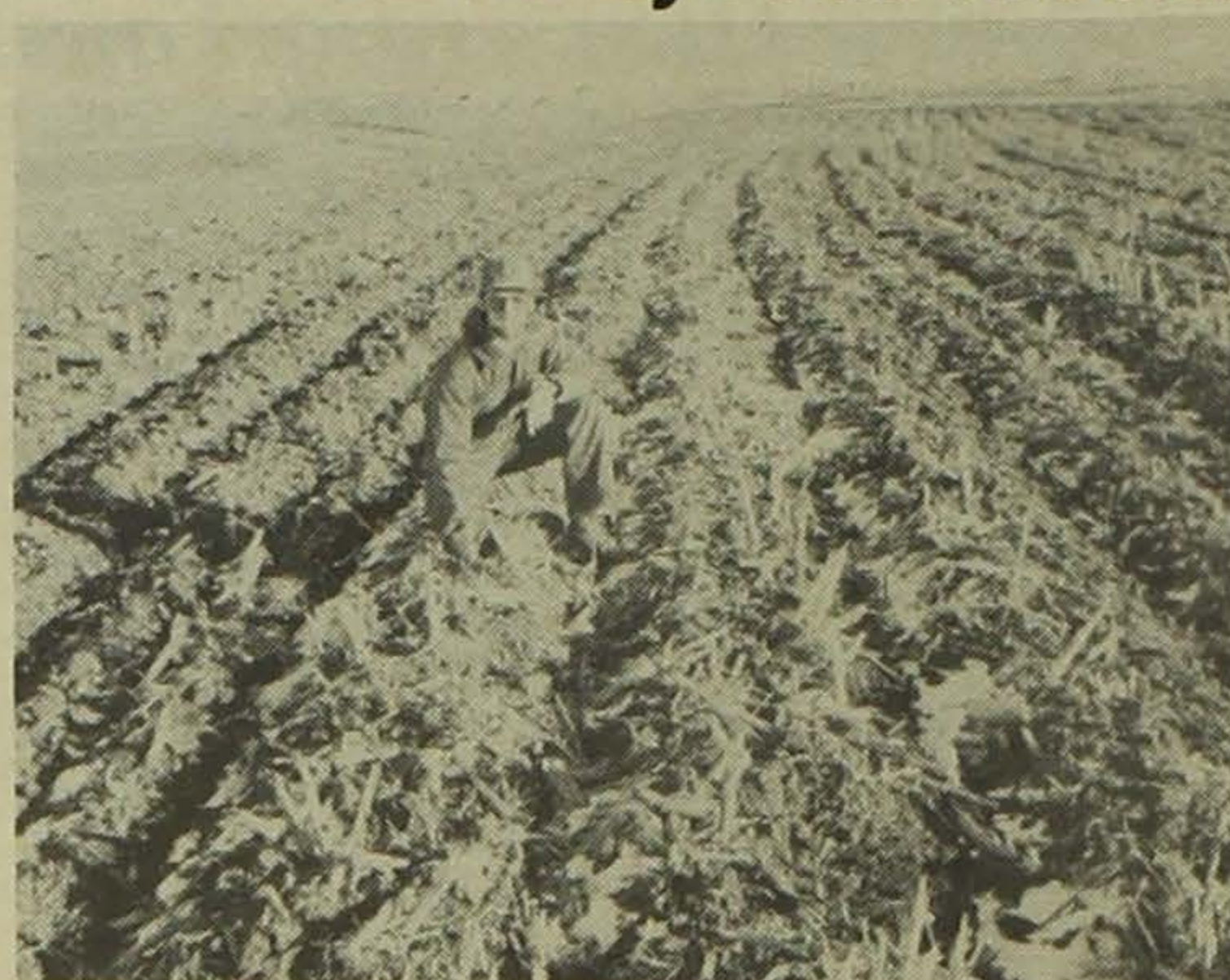
Conservation tillage can be looked upon as an insurance policy. With its use, soil loss can be significantly reduced, until cost share funds are available, then a combination of practices such as terracing, contour farming, no-till, rotations to further reduce soil loss to minimum, will provide permanent protection to this important resource.

Cass County farmers constructed over 34 miles of terraces last year. This is good progress but land treatment continues to plague development of watershed structures in the Turkey Creek Watershed Project.

You say, what can I do to prevent a crisis of our soil resource? Let your district soil commissioners know your concern and support for local conservation programs. If you are a landowner or operator, seek assistance from your Soil Conservation District Office.

Let's all work to keep the conservation focal point — (just as the sun passing through a magnifying glass sets a fire) from becoming a crisis for us and our future generations.

Claim Minimum Tillage Better Way To Till The Soil



Mike White looks at a field that has minimum tillage.

By Bill Willis

Soil Conservation Service

The moldboard plow brought the untamed prairie to its knees and introduced agriculture to the midwest. The first plows were pulled by oxen, horses, and mules and turned over one furrow at a time. As time passed, tractors replaced animal power and even more furrows could be turned in one round across a field. Soil erosion increased steadily as more land came under the plow.

Up and downhill plowing, rows as straight as a string, and "checked" corn encouraged erosion. Gully formation and soil loss was evident and even becoming recognized as a national problem.

The wheat fields of Kansas were convicted as the culprits of the 1930s that darkened the skies with dust, but Iowa soil also fell on Washington, D.C., in

those years. Plowing and leaving a clean field absent of residue and cover shocked America into doing something about the tremendous loss of topsoil.

American farmers resisted the tractor and the use of mechanical power instead of horse power. They resisted in the beginning, but, obviously, the tractor was accepted and its designs refined, improved and sophisticated. Even the plow itself was improved with spring-loaded bottoms, wider shares, better steel and bigger size.

In all this design excellence, soil erosion persists as a problem, and doing away with the plow and replacing it with minimum tillage tools is as hard a decision as replacing the horse with a tractor.

University research, as well as data from other sources, has proven that soil loss can be reduced by leaving the crop residue on the soil surface. Numerous experiments have shown that acceptable yields, even exceptional yields, can be produced with minimum tillage methods.

Replacing the plow with a chisel or using a planter that operates successfully in large amounts of residue can give good yields with up to 30 percent less erosion.

Plowing is an enormous user of fuel. The gallons of fuel per acre for plowing alone is almost as much as for all other cultivation for the year.

Plowing takes time also — almost twice as much time per acre as when a chisel is used. In the face of high energy prices and an unpredictable supply, the use of minimum tillage implements is almost a must.

Leaving 3,000 pounds of residue on the soil surface can reduce soil loss by as much as 30 percent. The amount of residue decreases rapidly as more tillage operations are used. The following chart shows the amount of residue removed by various field operations:

Type Of Tillage	Percent Residue Destroyed
Chisel (straight shanks)	20
Chisel (twisted shanks)	75
Field cultivator	30
Tandem disk	50
Rotary tillage	75
Offset disk	75
Plowing	up to 100

Plowing conquered the Midwest and helped create the breadbasket of the nation. The continued use of the plow also created the greatest erosion problem in the nation. Minimum tillage methods can replace the plow and still maintain the ability to produce bumper crops. Minimum tillage is just a new way, a better way, and a soil conservation way of raising a good crop.

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Landowners Cooperate In Turkey Creek Watershed

By Bill Willis
Soil Conservation Service

Mrs. Mary Bell, Jim Miller and Ed Mailander, all landowners in the Wiota area, have waited a long time to see watershed structures built on their farms. The dozers and scrapers will go to work in the spring and summer this year to make these ponds a reality.

Construction work will also be taking place on the farms of Paul Barber, Howard Gregersen, George Ihnen, Ed Rabe, and the Ben Reed estate. A total of nine new structures will appear in Turkey Creek Watershed in 1980.

Mrs. Bell's structure was a longtime dream of her late husband, Preston Bell. Construction of this dam represents a tremendous cooperative effort between Mrs. Bell and her neighbor, John C. Bell, to control soil loss in the drainage area of the structure.

Erosion Protection

Before a dam can be built, 75 percent of the land draining into the structure must be adequately protected from erosion. In 1979, Mrs. Bell had 3,400 feet of terraces built on her farm. John C. Bell also cooperated in the effort and constructed 1,900 feet of terraces on the portion of his land that drained to the structure.

The cooperation and dedication to conservation work on these farms means that soil loss will be controlled, and gully formation will be stopped. It also shows what can be done when everyone works together to solve an erosion problem.

Advertisements for bids will be sent out very soon to obtain a construction contract in Turkey Creek Watershed. SCS engineers met with landowners



Reviewing construction plans for Turkey Creek Watershed are, from the left: Mrs. Mary Bell, Phil Cullen, Wayne Raasch of the Soil Conservation Service and Bill Huey of the Soil Conservation Service.

in the watershed Jan. 10 in preparation for building the nine ponds and structures.

107 Structures

The original watershed plan calls for construction of 107 structures. Currently, 33 structures are in place, of which 32 are primarily for gully control and one is for floodwater reduction. The upcoming contract will bring the total to 42 which is approaching the half-way mark for the project.

The structure to be built on the Barber farm is the second floodwater retarding structure installed in the watershed. This structure will be visible on the east side of Iowa 148 north of Anita. Its primary purpose is to temporarily detain runoff after heavy rains and release it slowly through reinforced concrete pipe.

The earth dam will create a large volume of temporary water storage that will be released over a two to three day

period to reduce flooding on the bottomlands. Eight more structures of this type are planned in the future.

Ed Mailander almost had his structure built in 1975, but it just missed that construction contract because of some easement problems. Since that time Mr. and Mrs. Jim Miller granted some additional easements and the structure will be built. Ed has sold the farm, but still will see the structure constructed to fulfill a longtime hope and dream. Again, cooperation between landowners was the action that allowed an idea to become a reality.

Turkey Creek Watershed was started in 1965 when Congress authorized the use of Public Law 566 funds. The small watershed program originated in 1954 to assist landowners and communities to solve large scale flooding and gully control projects that were too large to finance locally.

Trees, Shrubs Build Windbreaks On Iowa Farms

By Gilbert Wehrman
Cass County Soil

Conservation Commissioner
A farmstead windbreak is a permanent part of the landscape. Consider the many benefits of a windbreak. They can protect your home and farmstead against wind, blowing snow and soil. At the same time they reduce energy needs for heating your home. Windbreaks can also reduce weight loss of livestock and provide food and shelter for birds and add beauty to a farmstead.

The choice of trees to plant will depend on the soil and locality. It is wise to plant more than one kind of tree so that if one species is damaged by disease or insects, the effectiveness of the windbreak is not completely lost. Small trees and shrubs should be in the outer rows to maintain desired density at low heights above the ground. Generally, the center rows should be evergreens because they hold their needles through the entire year and provide better protection during the winter months. Some sites, which are not suited to the growth of evergreens, due to barnyard drainage or tight soils with poor drainage, should be planted to broadleaf trees.

A camel will spit at anyone who irritates it and, if the saliva isn't effective, it will eject the contents of its stomach, forcefully, through the mouth. The llama, a close relative of the camel, will do the same thing.

Some of the evergreen trees commonly grown for windbreaks in Iowa are: douglas fir, concolor fir, eastern white pine, red pine, scotch pine, Austrian pine, Norway spruce and eastern red cedar. Where broadleaf trees are used some of the common varieties are: green ash, silver maple, and hackberry. Tatarian honeysuckle are very popular as a shrub. Other shrubs commonly used are: Russian-olive,

autumn-olive and dogwood.

If erosion is not a problem, fall preparation of the soil by plowing and disking will increase the moisture holding capacity and reduce weed competition. Spring planting as soon as the frost is out of the ground is considered the most desirable time to start the new windbreak. Fencing, watering and weed control are needed during the early years of the growth of a successful windbreak.

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SHELL PERIL

SANDY HOOK, N.J. (AP) —Discovery of unexploded artillery shells along the beach has prompted the closing of the Sandy Hook section of Gateway National Park, park officials have disclosed.

Sandy Hook was an army base for more than a hundred years before the National Park Service took it over five years ago.

The tiny peninsula attracts surf fishermen all year around and thousands of visitors during the summer months.

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COOKIE PUZZLE

PITTSBURG, Kan. (AP) — Although Mrs. Jessie Carlile's cookies are a delight to her neighbors here, they're a puzzle to many others around the country.

For a long while, this great-grandmother to 18 children, has been baking and decorating everything from holiday cookies to bridegroom cakes. An artist who once lived in this community of 20,000 persons recommended to a company to use her cookies for a puzzle. Mrs. Carlile baked hundreds of Christmas cookies, in myriad shapes, sizes and colors. Hallmark assembled the goodies, photographed them in color and offered them as a puzzle.

Terrace Construction Has Dramatic Increase In County

By Bill Willis
Cass County Soil
Conservationist

Tile outlet terrace construction has increased nearly four times in Cass County since 1975. In the face of rapidly increasing costs, terrace construction has risen from 44,450 feet in 1975 to 180,025 feet in 1979.

Tile outlet, parallel terraces were introduced in Cass County in the early 1970s. Construction began on a large scale in 1974 when the cost to build terraces was less than a dollar per linear foot.

Today, construction costs are about \$1.50 per foot and application continues to increase.

I think this indicates that Cass County farmers are concerned about controlling erosion.

Max Miller, chairman of the Cass County Soil Conservation District, added that, "We, as commissioners, have directed nearly all of our state cost-sharing funds into the terrace program. Cass County farmers have matched these funds dollar-for-dollar. This means that while we, as commissioners, are putting \$100,000 into the terrace program, farmers are also spending \$100,000 to pay for their share of the cost of these terraces. The state cost-share program only pays 50 percent of half of the cost."

Weather conditions, the availability of cost-share funds, and the number of contractors equipped to build terraces all

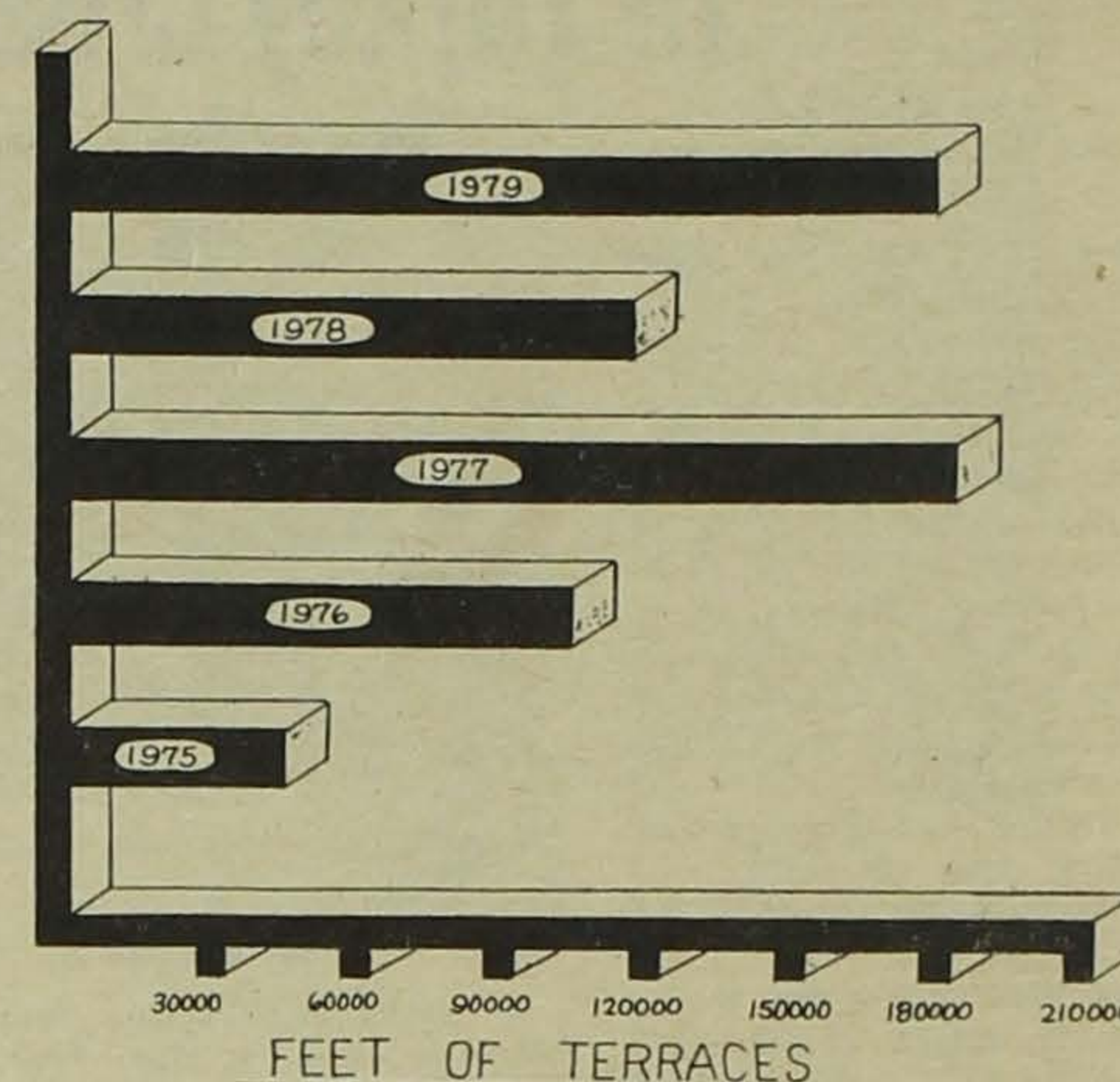


Chart shows terrace construction in Cass County.

affect the amount constructed each year. We'll always see some fluctuation in production from one year to the next, but the five-year trend is upward for terrace construction and this is encouraging.

Terraces provide permanent erosion control by reducing the length of slope that is prone to erosion by runoff water. The tile outlet device eliminates the need for grassed waterways which are susceptible to commonly applied herbicides.

A uniform number of rows between terraces provides ease of farming and erosion control at the same time.

When a good minimum tillage system is used with the terraces we're building today, soil loss is virtually eliminated. Several farmers who have experience with these terraces have told me their yields have actually improved because the soil, and the chemicals they use, are staying in place.

By installing nearly 200,000 feet of terraces each year, we're providing erosion control on about a section of cropland annually," said Miller.

"We can't stop now," says Miller, "and hopefully the trend of terrace building in the past five years will continue upward in the future so that we can continue our progress in Cass County to protect our valuable soil resource."



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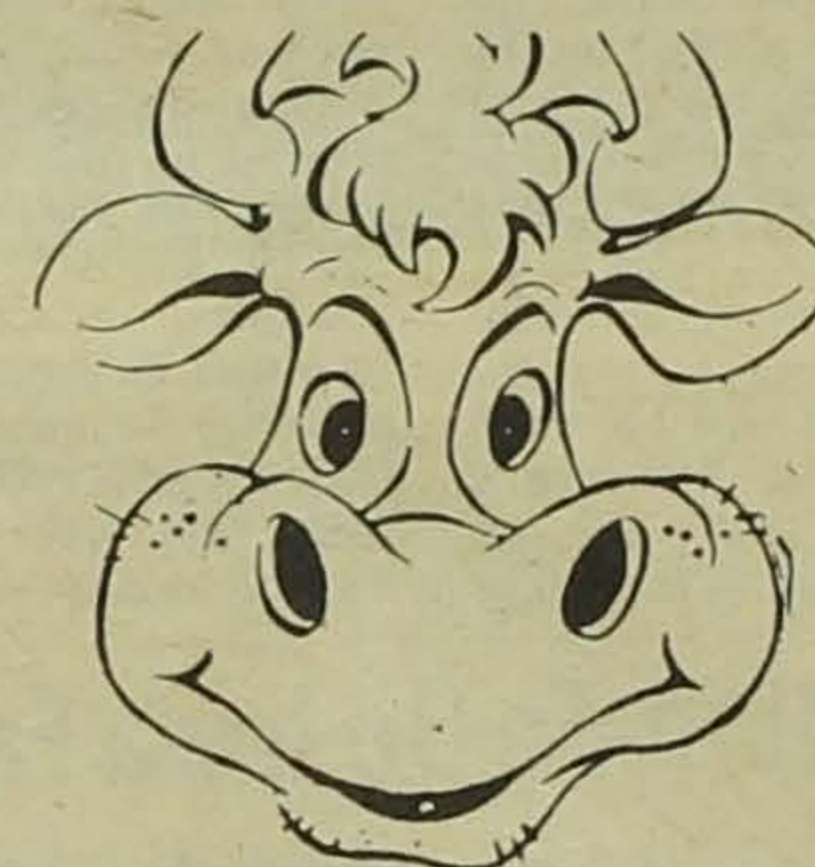
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NURSES

PARK CITY, Utah (AP) If the nation's licensed practical nurses don't become politically active, their occupation may be legislated out of existence, says Lucille Etheridge, executive director of the National Association for Practical Nurse Education and Service. She was keynote speaker for the 25th annual convention of the Licensed Practical Nurses Associated of Utah.

She said the LPNs' future is clouded by legislation proposed by the American Nurses Association. Known as the "1985 Proposal," the ANA proposes to do away with the present one-year training program required for LPNs, requiring instead that all nurses have at least a two-year associated degree or bachelor of science in nursing.

Supporters of the ANA proposal say it would upgrade the quality of nursing care. But NAPNES, which represents over 30,000 LPNs nationwide, says the ANA proposal would increase the cost of health care without guaranteeing higher quality service.

RETIRES

Clark Bardole, executive vice-president and managing officer of First National Bank of Rippey, has retired from active management of the bank after nearly 49 years. — Grand Junction Globe-Free Press.

Reminiscing

By Margaret Hays
Of Hamlin

Multiplication

The old gray arithmetic book slid out of my hand and skidded to a halt in a mud puddle. With a sign, I pulled one mud-covered overshoe after the other until I could reach the book, wipe the cover on my wet mitten and get along home.

My arithmetic book and I were familiar companions, although barely on speaking terms. Wistfully, I watch the eighth grade class work out problems on the blackboard, chalk clacking away with great industry and numbers falling miraculously into the proper sequence.

When I was "sent to the board," it was a race between the chalk and eraser to see which one covered the most territory.

Homework was even worse. I bore the burden of a father who was nearly a mathematical genius.

When he attended Iowa State University, he spent Christmas vacation at the school, took a course in calculus and passed with a four-point. While he was a college student, Father helped a burly football player develop good study habits by insisting that the fellow sit in a straight chair at a sturdy table in a quiet room. It was not one of my favorite stories.

Straight Chair

On countless winter evenings, I dragged a straight chair to the round oak dining table where Father was waiting.

After checking the study arrangements to see that they met his requirements, Father motioned me to my chair. After kicking the chair rungs a few times, writing my name at the top of the paper and puffing out my cheeks to see the result in the shiny surface of the oil lamp, I sat.

Father straightened his shoulders. Obediently, I straightened mine.

"Now, Margaret Ann, tonight you try real hard and I'll try not to shout at you," he promised.

At this point, Mother always bent her head a bit closer over her mending and her shoulders twitched slightly.

Father was not always pleased with her attitude toward mathematics. One day while I was giving a sparrow a respectable funeral below an open kitchen window, I heard Father tell Mother that she had very little head for figures.

Courting

"Well, Glenn," she replied, "thirty years ago when we were courting, I told you that I was better at dancing and china painting and you didn't seem to mind."

After a math session with Father, we were always unnerved. Mother brought him a cup of strong black coffee and me a cup of cocoa.

The atmosphere at the breakfast table was usually better. I said my sevens and eights while Father kept time by nodding his head and buttering his pancakes with wide sweeps of his table knife.

The sessions at the round oak table ended. I went through algebra, geometry and normal training mathematics in high school. I never saw the inside of the chemistry lab. Once, my Mother attended an open house at the high school. My geometry teacher told her, Margaret could do such good work!

I have since realized that I

have no head for figures. Some do. I don't. I march to different drum beat, against a background of whirring computers, calculators and adding machines.

My children know better than to ask my aid when they struggle with mathematical homework. I tried. I took it very seriously until one of them brought home the following problem:

An albatross has a wing spread of 12 feet. A hummingbird measures two inches in length. How many hummingbirds can be laid end to end between the wingtips of the albatross?

I read the problem twice, smiled at my daughter and said, "I don't do albatrosses."

PARCHED FIELDS

KANSAS CITY (AP) — Kansas is dry this fall, with most rivers flowing at their lowest autumn levels in memory.

Farmers fear that if they don't get rain soon, and lots of it, their wheat will not be strong enough to survive the winter. It'll take more than a few thunderstorms, they say.

If roots are not established by the time the cold weather sets in, the wheat crop is susceptible to winter kill and the size of the harvest would be reduced.

Dale Lyon, president of the Kansas Farmers Union, predicts that the 1980 Kansas wheat crop will be about 100 million bushels below the 1979 record harvest of 402 million bushels.

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Committee Promotes Education

By Dudley Humphrey
Environmental Education
Committee

The purpose and goal of the Cass County Environmental Education Committee is to promote environmental-conservation for the students and citizens of Cass County.

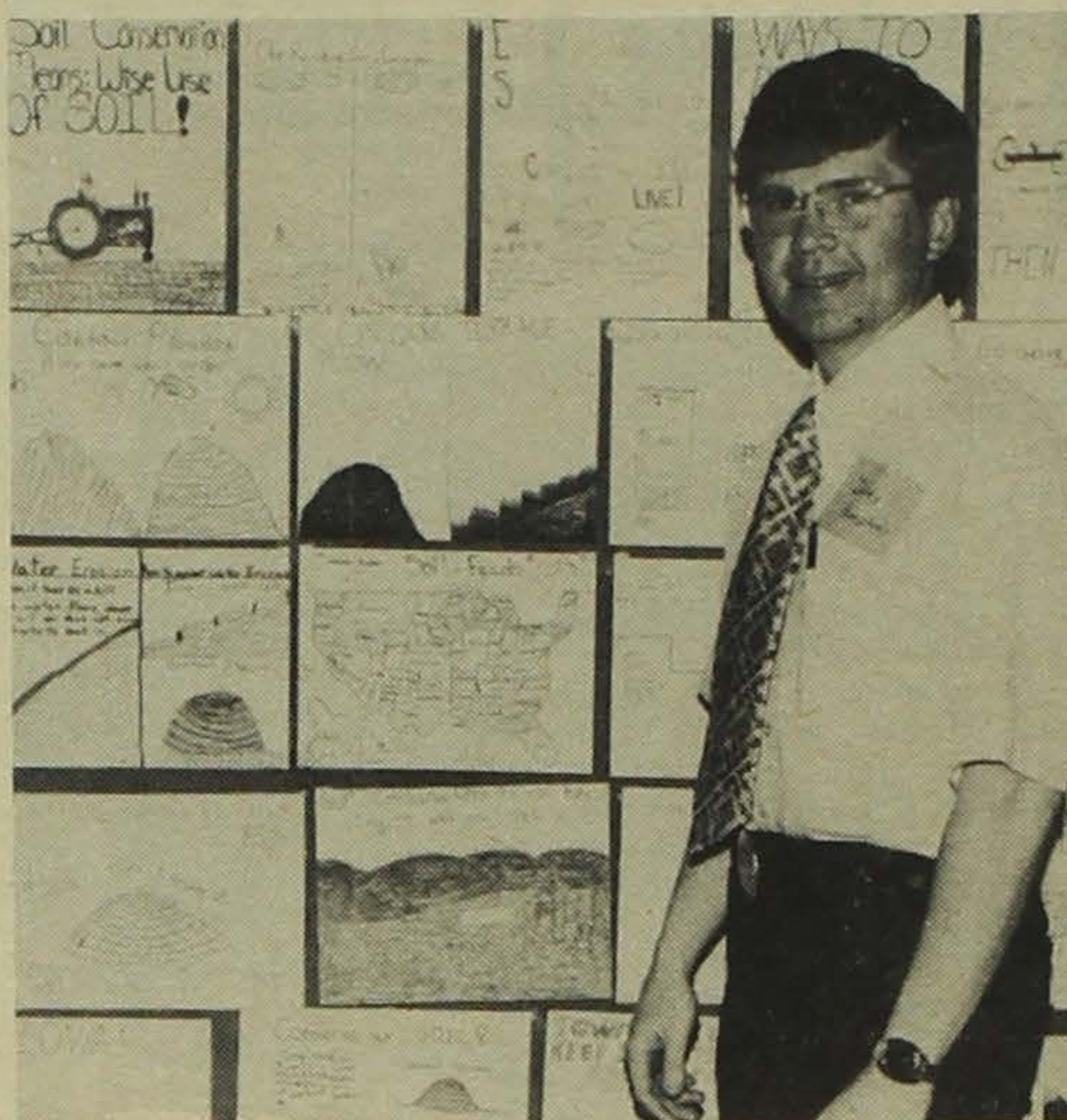
Our committee attempts to meet these goals in several ways. One way is through our countywide school contests.

Fifth grade students are given the opportunity to compete in poster contests covering the topics of energy, wildlife and soil. Sixth graders are able to take part in a soil conservation workbook contest.

These winners are awarded cash prizes, certificates and trophies at an annual conservation awards potluck dinner in the spring. Conservation people, families and our committee honor the winners of these contests at this dinner.

A second way to meet our goal of countywide environmental education is through the establishing of an outdoor classroom. We are in the process of developing an outdoor classroom on U.S. 6 at the Turkey Creek crossing southwest of Atlantic. Trails and a parking lot are already developed and are open to the public. It is our hope that students and other interested groups will use this area for a teaching and learning site.

The Cass County Environmental Education Committee is composed of interested persons who are willing to work for



Dudley Humphrey with some of the poster entries.

environmental-conservation education. Some members are also active in area and statewide environmental workshops and planning.

The members are Bill Willis of Atlantic, Soil Conservation District conservationist; Tom Magill of Lewis, farmer and soil conservation district commissioner; Dennis Sierck of Atlantic, executive director of the Cass County Conservation Board; Lynn Barnes of Atlantic, teacher; Ken Muller of Griswold, farmer; Marion Johnson of Lewis, farmer; Dennis

Zimmerman, of Anita, teacher; Sharon Goff of Atlantic, teacher; and Larry Harris of Atlantic, farmer.

Our committee is very grateful for the assistance we receive from the Cass County Conservation Board and the Cass County Soil Conservation District. We would also like to thank the many teachers throughout Cass County who help in administering our contests. Without the help of these organizations, and people, our committee could not be actively involved in environmental-conservation education.

50,000 Trade Leads To 600 Manufacturers

After a year in operation, the foreign trade lead dissemination program initiated by the International Division of the Iowa Development Commission has sent up over 50,000 trade leads to more than 600 Iowa manufacturers.

The program, which consists of mailing computerized foreign trade leads to Iowa manufacturers engaged in overseas marketing, sends out 2,947 leads every two weeks.

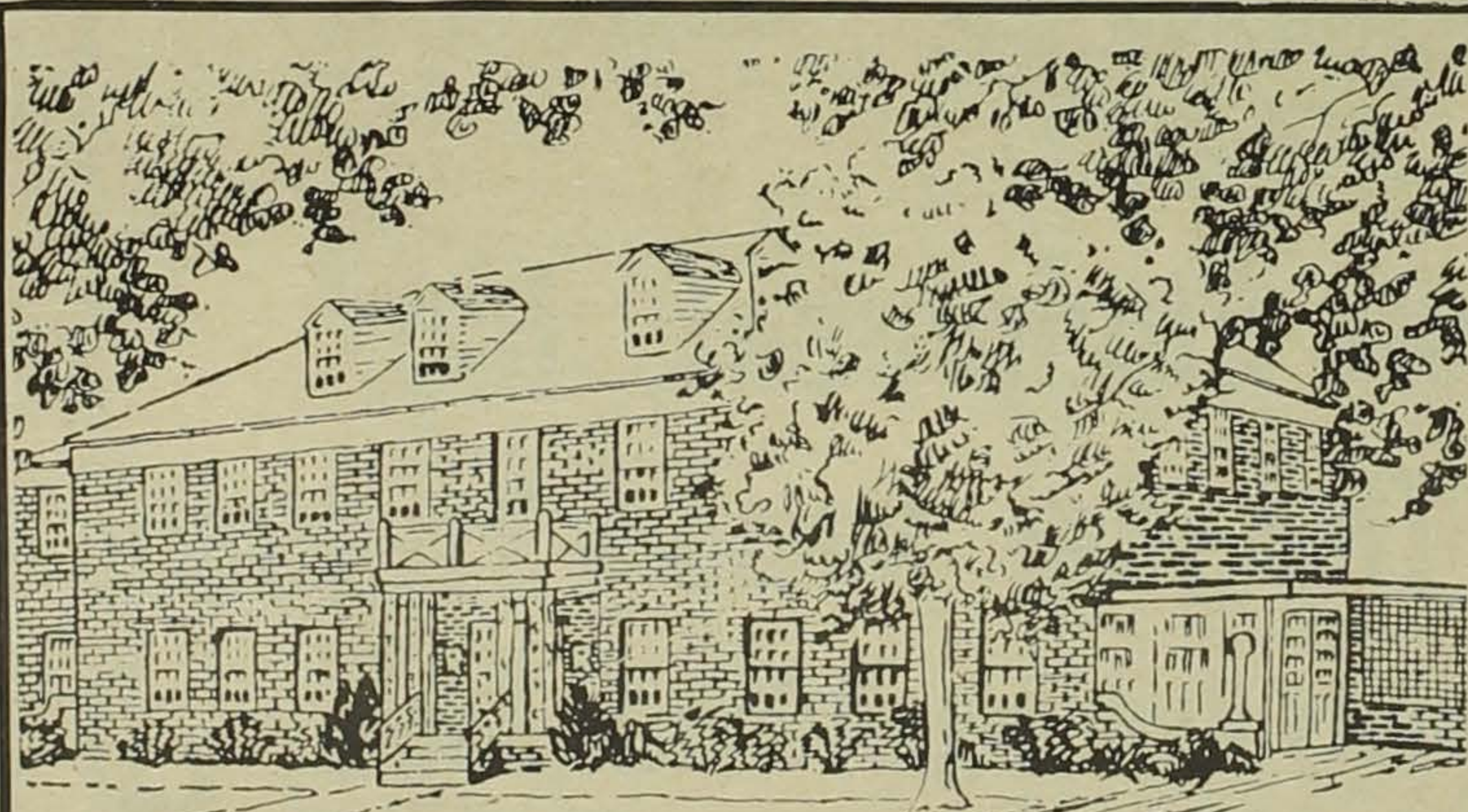
The trade leads, which are processed by computers at Kirkwood Community College

in Cedar Rapids, match foreign sales opportunities with Iowa companies according to Standard Industrial Classification numbers. In other words, if there is a product or service needed by an overseas firm and an Iowa company offers a similar item, the computer will send the Iowa firm a trade lead containing contact names and details about the sales opportunity.

Dean Arbuckle, director of the IDC's International Division, said that potentially, Iowa manufacturers stand to increase their export sales tremendously if they follow up these leads.

Arbuckle added, "We would like to see the trade lead program expanded to reach firms which are not currently exporting, but which make products with market potential abroad."

The Sand Hills of Nebraska have high water tables that dot the land with marshes, lakes, ponds and wet meadows. The northern and western regions have some 1,300 lakes that teem with ducks, geese, herons, wild swans, shorebirds and pelicans. White-tailed deer, wild turkeys, pheasants, mule deer, antelope and prairie chickens can all be found there.



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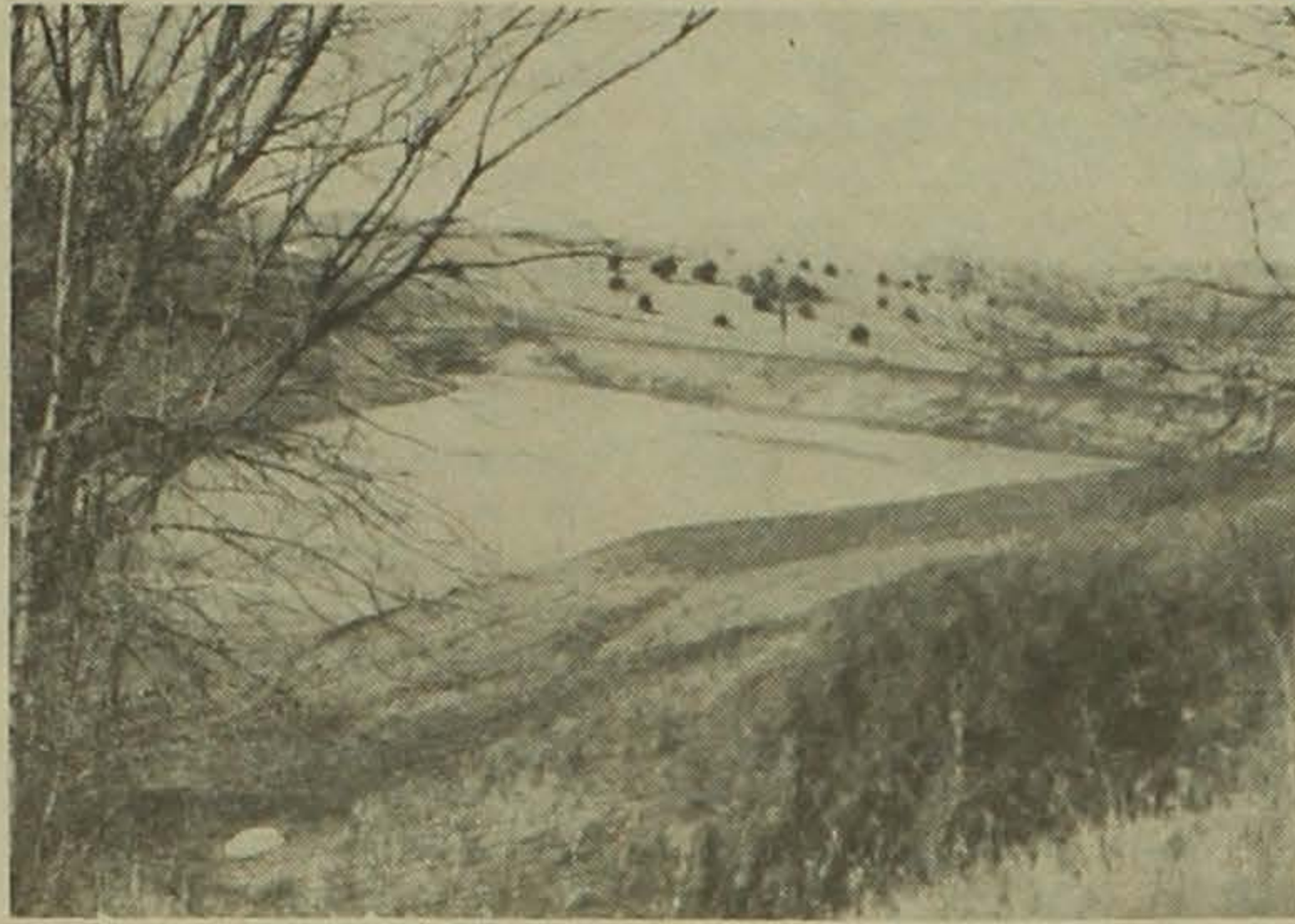
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Ponds Provide Many Values To Iowa Farm Residents



Pond on Dan Anstey farm near Cumberland.

By The Cass County
Soil Conservation Service
Would you be interested in owning something useful and attractive that instantly adds value to your property? Would you also like to have something that attracts wildlife, supplies water for livestock, provides fire protection, and allows a spot for recreation? If your answer is yes to these questions, then you really ought to build a pond.

A pond can do all these things and more too. A pond can help control the erosion and growth of an ugly ditch. The top of a pond dam can provide a stable roadway to replace a dangerous ditch crossing. You could get all these features in one single pond if the site was just right.

That is really quite a deal except there is still more. If your site is adequately protected from soil erosion on the slopes upstream, you could get half the cost paid for through State or Federal cost-share programs. Now that is a good deal for all those features and just fifty cents on the dollar.

This list of features about a pond isn't quite finished yet. Simply by building a simple fence around the pond area, you can get the pond stocked with fish free. That's right — free fish! The Iowa Conservation

Commission will provide bass, bluegill, and catfish fingerlings, free of charge, if you get the pond fenced, and the water is at least eight feet deep over 25 percent of the area.

We almost forgot to tell about the gravity-flow watering system that operates without wind, electricity, or gasoline. It costs about \$300 to install and is an essential part of the pond. Using gravity only to pipe water below the dam, a trouble free water system is still another feature of a pond.

Give your imagination its freedom and visualize your own pond, stocked with fish, beautified with a few trees, you've planted, and equipped with a picnic table for family outings. Visualize an ugly ditch replaced with a handsome body of clean water insured with sound upland treatment measures. Imagine your cattle watering at a tank that operates for free. And then stop dreaming, wake up and contact your SCS office for help to select a site for you.

More than 150,000 injuries a year are suffered in bathtubs or showers. About 71,000 of these injuries required emergency room treatment or hospitalization in 1977. Most of these were from slips, falls, scaldings and electrical shock.

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POTATO JOHN FINED
SHEFFIELD, England (AP)
— To his customers he was known as Potato John, a kind-hearted salesman who sold

fruit and vegetables at their doors.

Now the salesman, Patrick Curr, has been jailed for 30 months and fined \$2,400.

Police say Curr lent money to hard-up housewives and pensioners against their family allowances and charged them 800 percent interest.

Shall America Feed The World?

By Max Miller
Cass County Soil

Conservation Commissioner

Shall America feed the world? A few years ago there was much publicity about the starving people of the world. Then, after a few years of good crops we quit hearing so much about hunger, although nearly one-third of the earth's population is living on a sub-standard diet. At present, in the United States, it seems we have too much food.

Will we be able to feed ourselves in 10 years? I ask that question in all seriousness. One million acres of America's prime farm lands are urbanized each year. That equals a strip of

land one-half mile wide from New York to California. Put another way, we are losing four square miles of land every day.

In addition to the prime farm land loss, we are losing another two million acres of lesser quality agricultural land to non agriculture conversion each year. The total annual loss equal 320 acres of one-half section every hour. These facts are awesome; here are some more. For some years now, Iowa has been losing two bushels of soil for every one bushel of corn produced. This loss is caused by erosion. We can do something about that — conservation: Terrace, crop rotation, minimum tillage and strip crop.

Think about it, we need some answers and action before the point of no return!

Even in coldest weather, snow evaporates as the sun shines.

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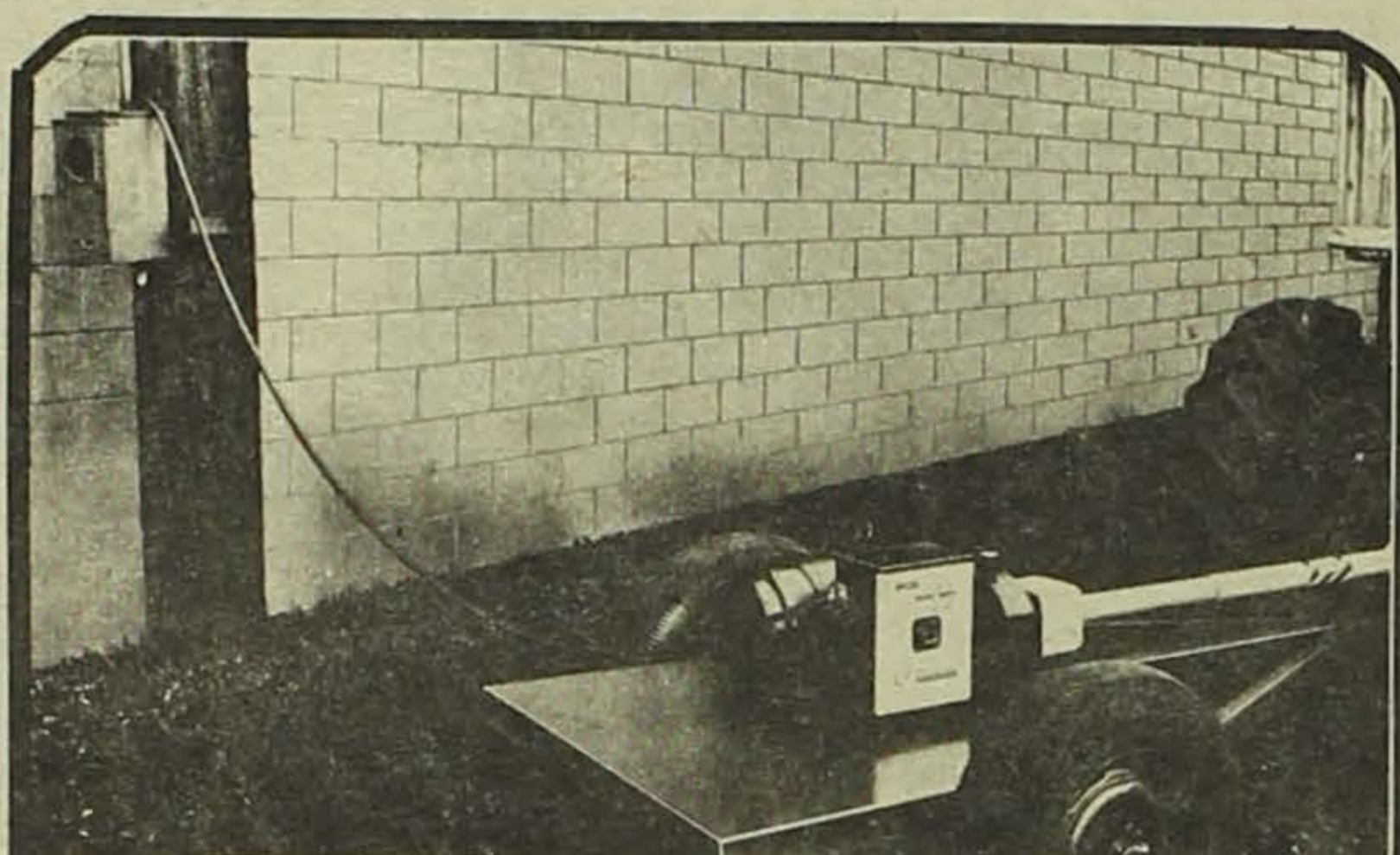
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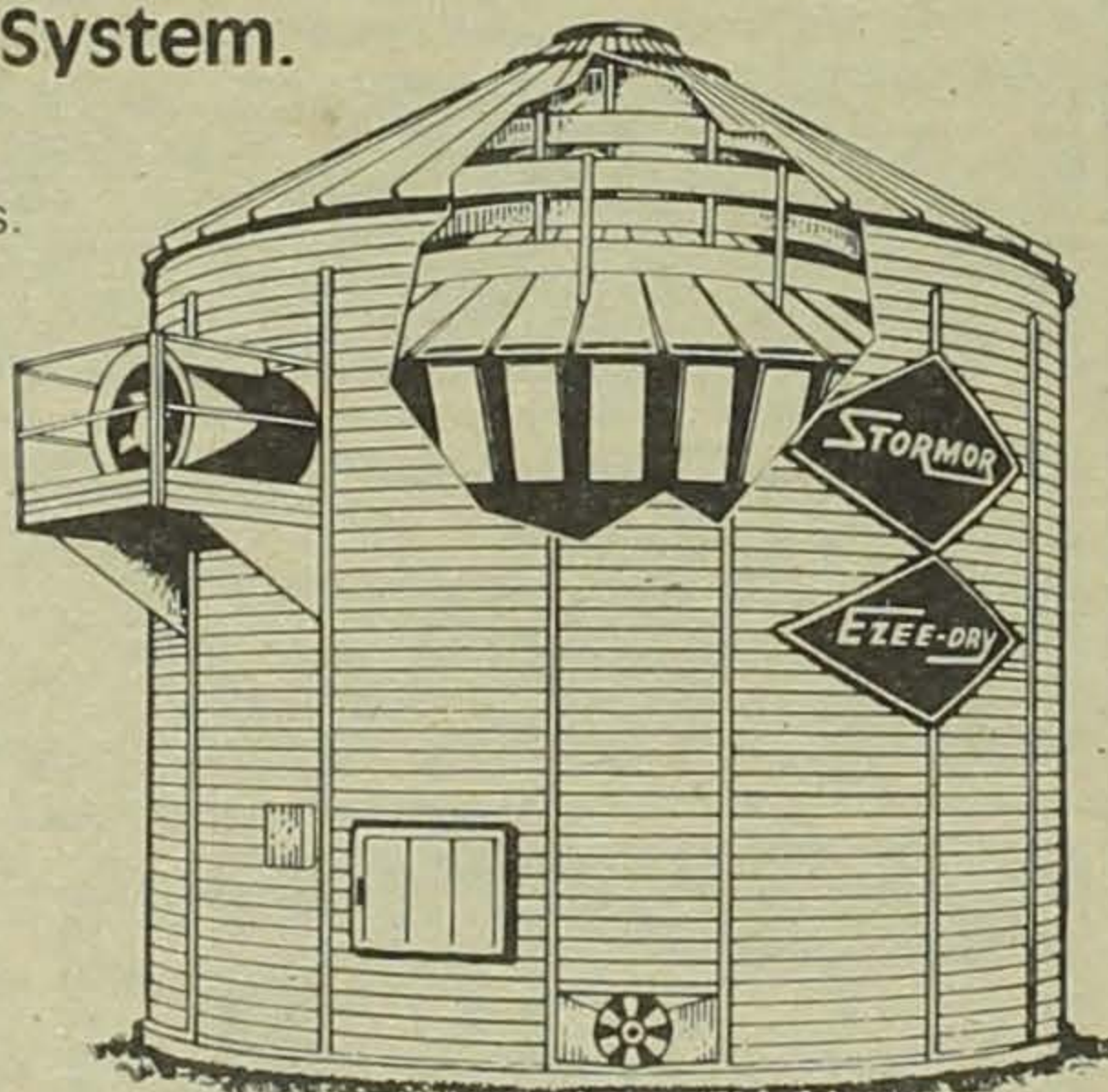
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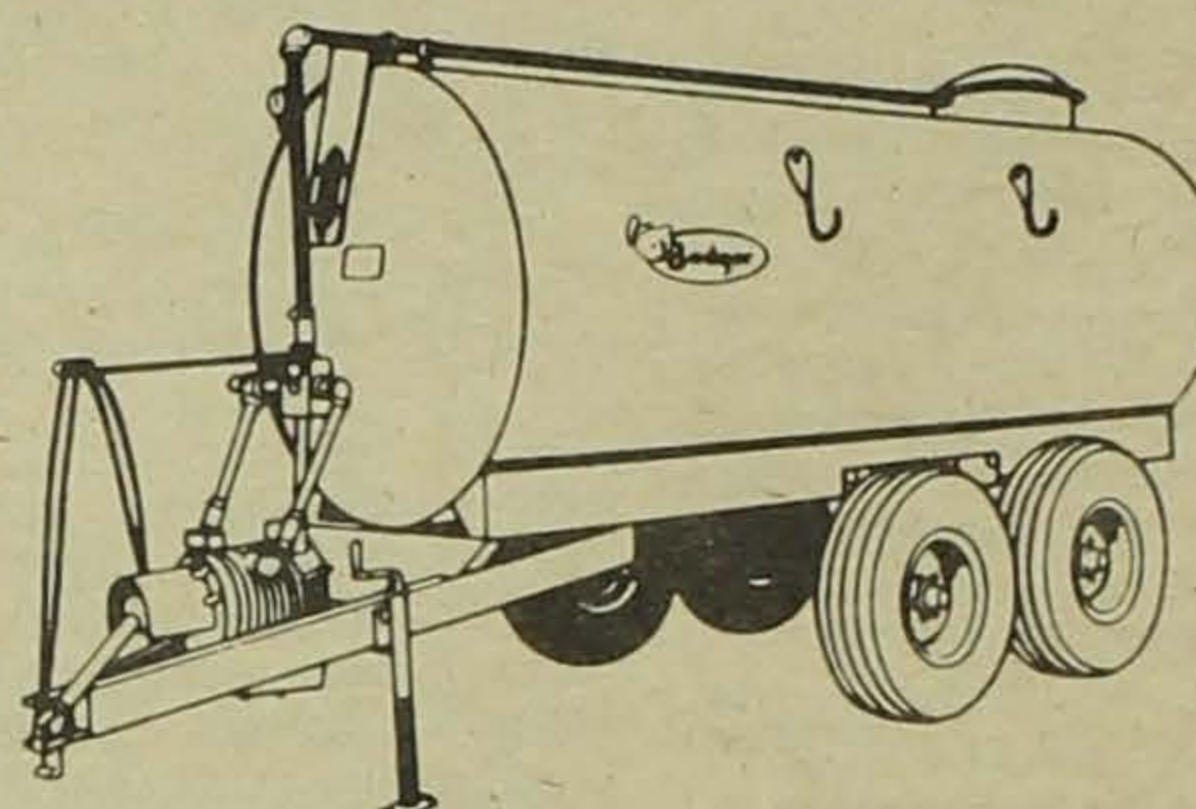
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Horseshoe Pitcher Receives Unique Christmas Gift

Hildred Diggs of New Market received a unique but appropriate gift from his daughter and son-in-law for Christmas.

Wyleen and Elvis Bix of Hopkins made an arch of 78 horseshoes for her father for Christmas. Diggs is a top horseshoe pitcher and the arch was placed leading into a horseshoe pitching course at his home.

Diggs, a retired farmer, took up the sport in 1977 and in his very first "pitch" won second place in Class B at the Taylor County Fair. Since then he has established himself as a top horseshoe pitcher in the area.

He won the high qualifier trophy at the Taylor County Fair last summer, won at the Sharpsburg Friendship Day, was second at the Nodaway Corn Carnival and first at Hamburg.

He also has a walnut plaque decorated with 15 of the Susan B. Anthony silver dollars for being high qualifier in the Class A division at Sharpsburg.

Serious

Diggs used to pitch horseshoes as a boy, but in 1977 he began to get serious about it. Three of his friends joined in playing the game in a home-made court at the Marvin Runyan home in New Market. These two, along with Henry Karg and Alfred Miller, built a horseshoe court in the town complete with a shelter house that overlooks the scene of the games.

"They were pitching evenings and weekends," commented Mrs. Diggs. "They even had us women standing out there holding flashlights on the stakes so they could see where to throw."

Diggs participates only in local meets, but has joined the state and national association of horseshoe pitchers and will try to enter the state contest at the Iowa State Fair next year.

At the meets, all the pitchers take their turns pitching alone for what is called qualifying. The top qualifier overall gets a trophy and then the men are divided up into classes, according to their standings in the qualifying round.

The class competition is a round-robin affair, except for the fact that two losses put an entry out of the competition. A man could be high qualifier and not win his class.

Points

Being within six inches of the stake is worth one point. A ringer is worth six points, unless a man's opponent caps the ringer with one of his own. Then both ringers are wiped out in the scoring. The stakes are 40 feet apart and 15 inches high and must lean forward three inches.

A normal match is the best two out of three games and up to 70-80 shoes may be thrown in each game. In a six-man division, each man plays five matches of at least two games, meaning a minimum of 700 pitches.

"There is a lot of pressure on you when you are playing against a good pitcher," Diggs said. "It makes it a good clean sport. You shake hands before and when you are done. You get to meet a lot of people and everyone had the same chance to win."

"It is something I can do with my own two hands and if I win, that makes me feel pretty good."

It's good business to hire the handicapped.

Ancient Tablets In University Library

SYRACUSE, N.Y. (AP) — Syracuse University owns one of the largest collections of Babylonian tablets in New York State, says a rare-book bibliographer at the university's Ernest S. Bird Library.

Mark Weimer says the 489 tablets owned by the university are more than 4,000 years old and contain records of crop

yields, wages and land receipts from the 21st century B.C.

"The tablets are representative of well-known archives that have been published over the past century," Weimer says.

"The importance of this collection lies not so much in the uniqueness of the documents but in their volume and excellent condition. This is not a

haphazard gathering of tablets; rather, it is the archive of a particular locale at a specific time. The clay tablets provide important documentation for the socioeconomic historians of the ancient Near East."

The tablets were found in the Syrian Desert around 1910. Last year a team of specialists began cataloging and restoring the collection.

RIGGED GAME

VIENNA, Austria (AP) — In an attempt to lure wealthy gamblers behind the Iron Curtain, Poland and Hungary have asked casino experts in Austria to train croupiers and help set up the first casinos in Communist countries. Unfortunately for the local citizens, however, it has been decided that the casinos will accept only foreign currency.

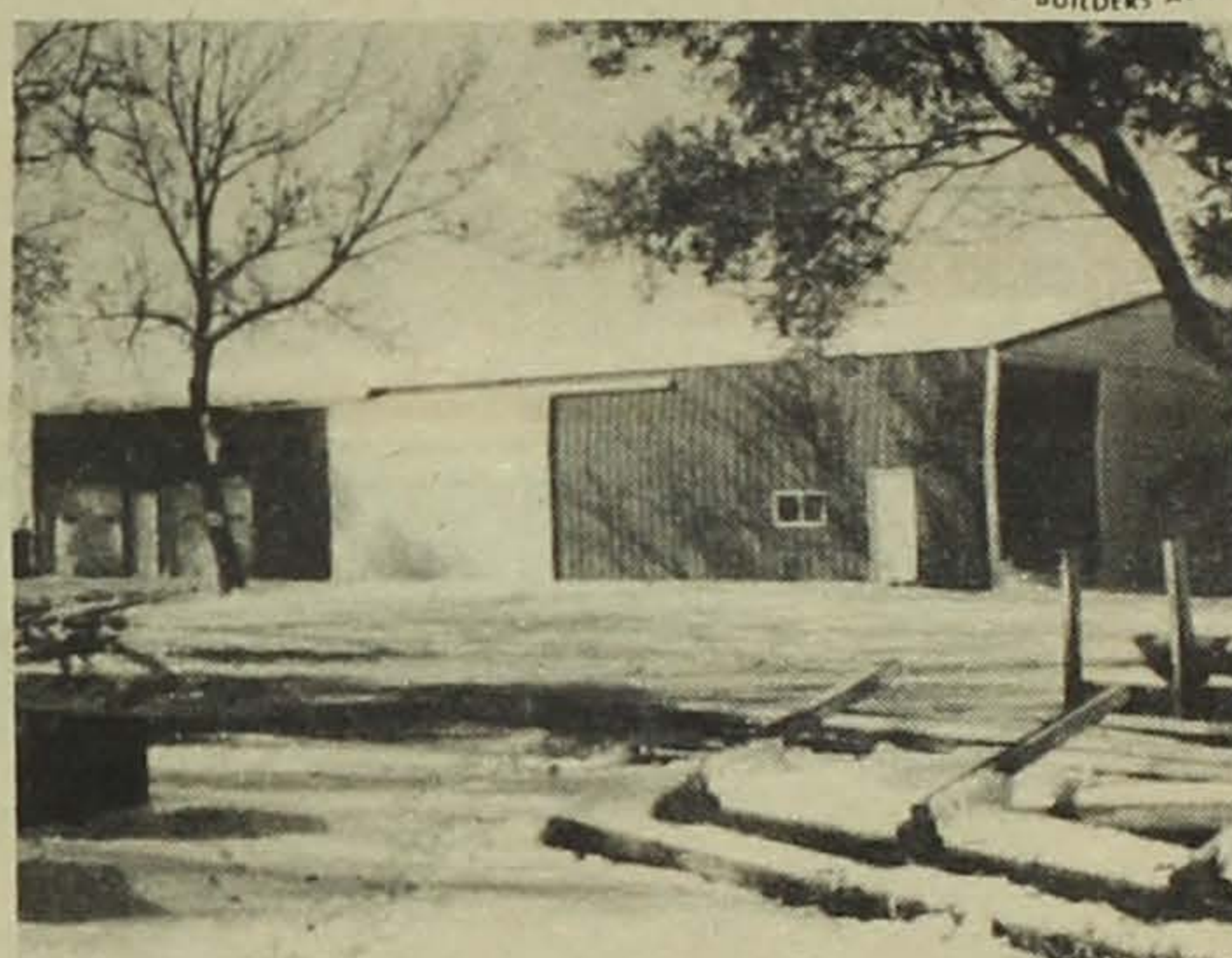
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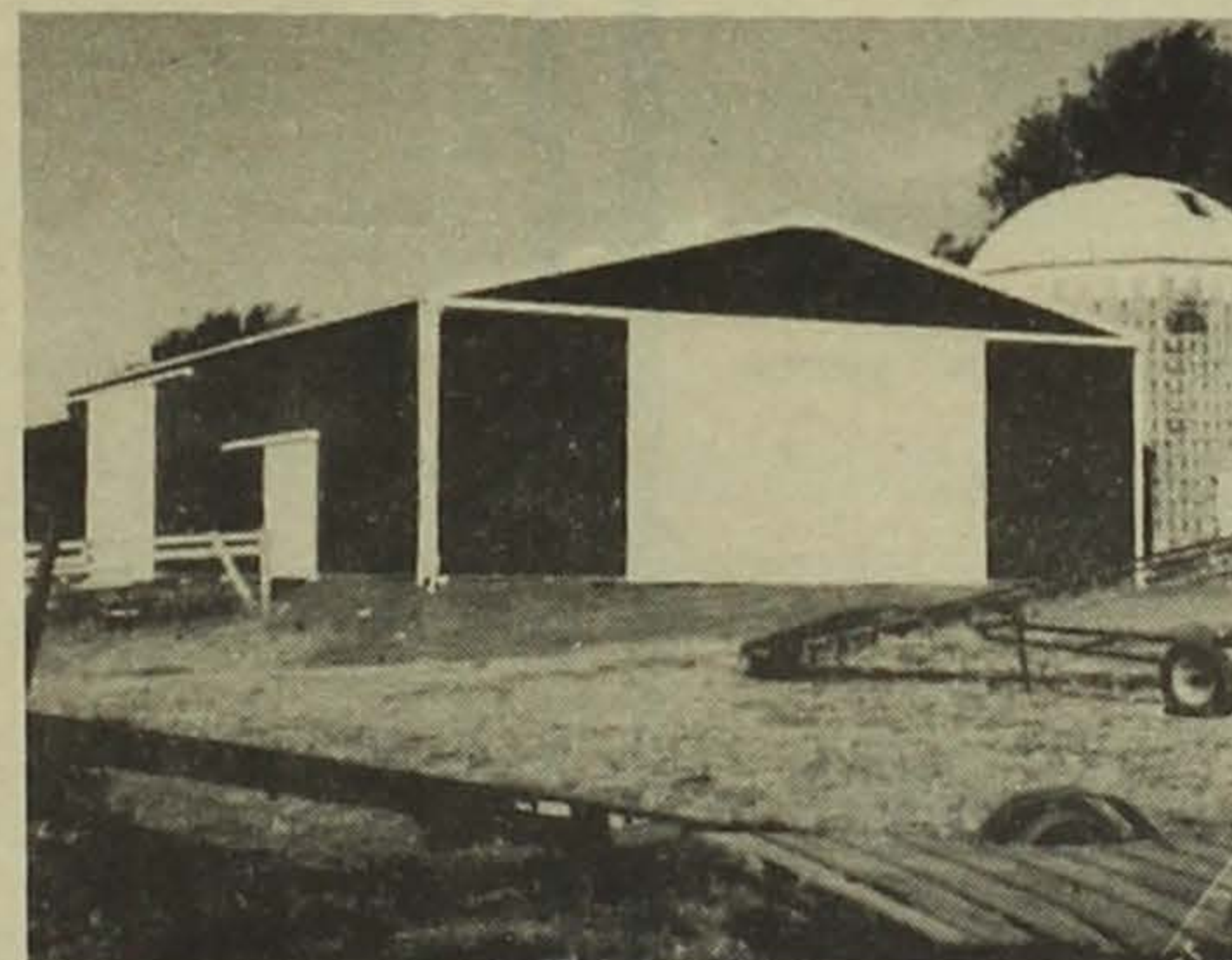
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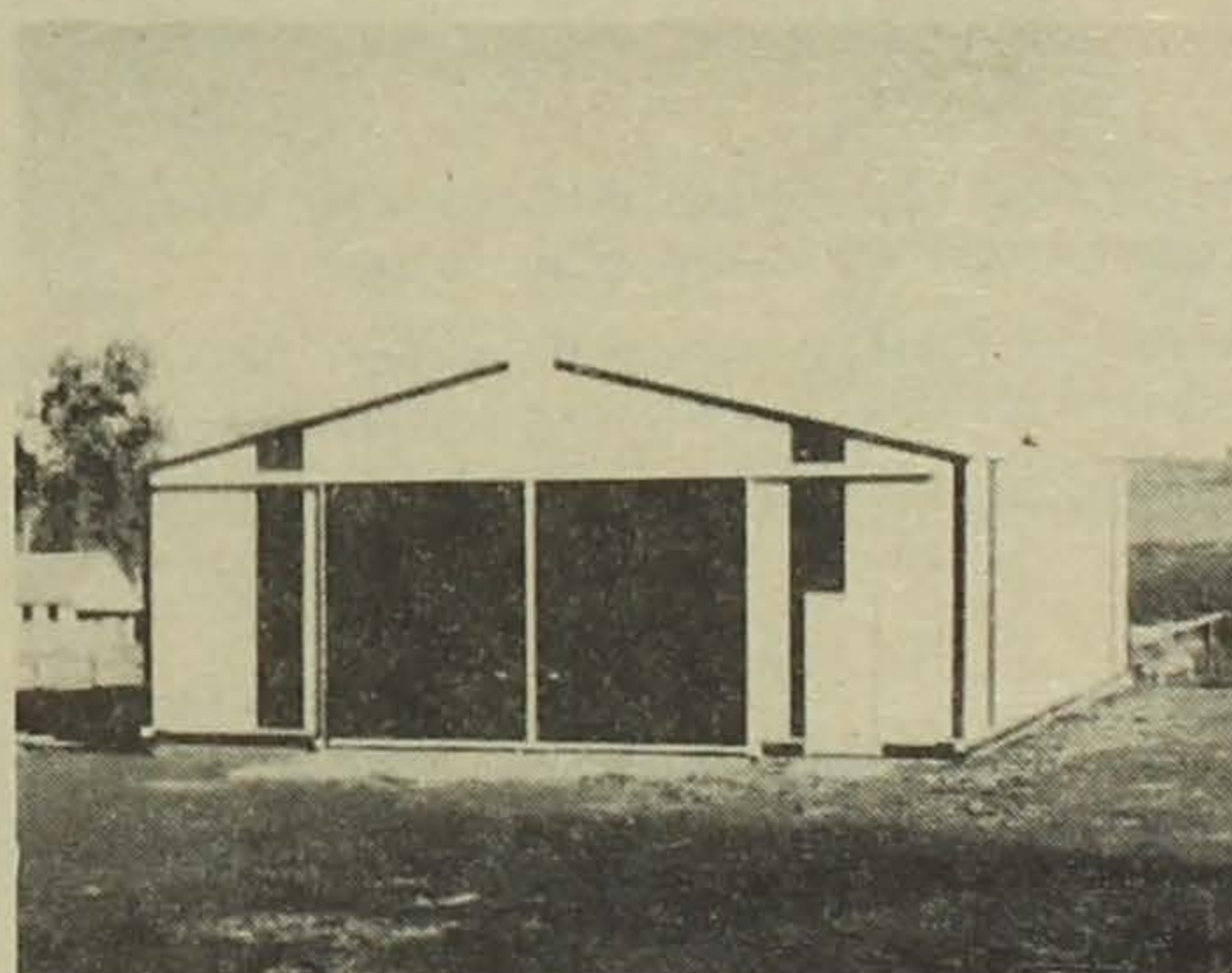
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One of the most abundant birds in the world is the sooty tern. Some breeding colonies will exceed a million members, but nature has set up a natural form of population control. The sooty terns build their nests in low sandy areas and the heavy rains of the islands wash many of the eggs away.

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STIR OVER COPTER

LLOYD HARBOR, N.Y. (AP)—Despite wealth estimated at upwards of \$1 billion, the Al-Ghamim family of oil-rich Kuwait is having trouble landing a helicopter in Lloyd Harbor.

Al-Ghamim rented a house overlooking Long Island Sound last summer. He liked it so well that he decided to buy 47 acres of waterfront property for summer use. The purchase was contingent on permission from the Village of Lloyd Harbor for Al-Ghamim to use his copter to commute to New York City.

Nearby residents complained that the chopper was a safety hazard and made too much noise. They were also worried that other Lloyd Neck residents might buy copters to get to work.

The Village Board finally decided to turn the matter over to the New York State Department of Transportation, if and when Al-Ghamim obtains Federal Aviation Administration clearance.

Four Sources Provide Funds For Conservation

By Tom Magill
Cass County Soil

Conservation Commissioner

Finances for soil conservation come from four main sources to operate the Cass County Soil Conservation District. The federal government provides help in several ways. Three professional conservationists are federal employees. Vehicles, office space, and other equipment is provided by the U.S. Soil Conservation Service. Watershed structures on the Troublesome and Turkey Creek watersheds are paid for with federal funds. The U.S. Agriculture Department, through the Agriculture Stabilization Conservation Service pays 50 percent matching funds for some conservation work with technical assistance of the Soil Conservation Service.

The State of Iowa pays the salary of one person in the office, and provides some office equipment for the district. The five soil conservation commissioners and three assistant commissioners are technically part of the state government. The commissioners receive no salary, but do receive 18 cents a mile, mileage when they must travel to fulfill their duties. The state's big input in recent years has been the 50 percent matching funds provided for permanent conservation practices. Cass County received nearly \$100,000 last year, all for the terraces and diversions cost-shared through this program.

The county levies a one-fourth mill tax on agricultural land for soil conservation. These funds are used primarily for the repair of structures in the watersheds, which have become the responsibility of the district after they are built, and for the acquisition of ease-

ments for the construction of structures in the watersheds. This money is designated by the county as the flood and erosion control fund.

The fourth source of funds is the co-operators club. These are funds given to the district by people who live in the district and are served by the soil conservation district. These donations are given to the district in varying amount to help pay for things that tax funds cannot be used for, or aren't available.

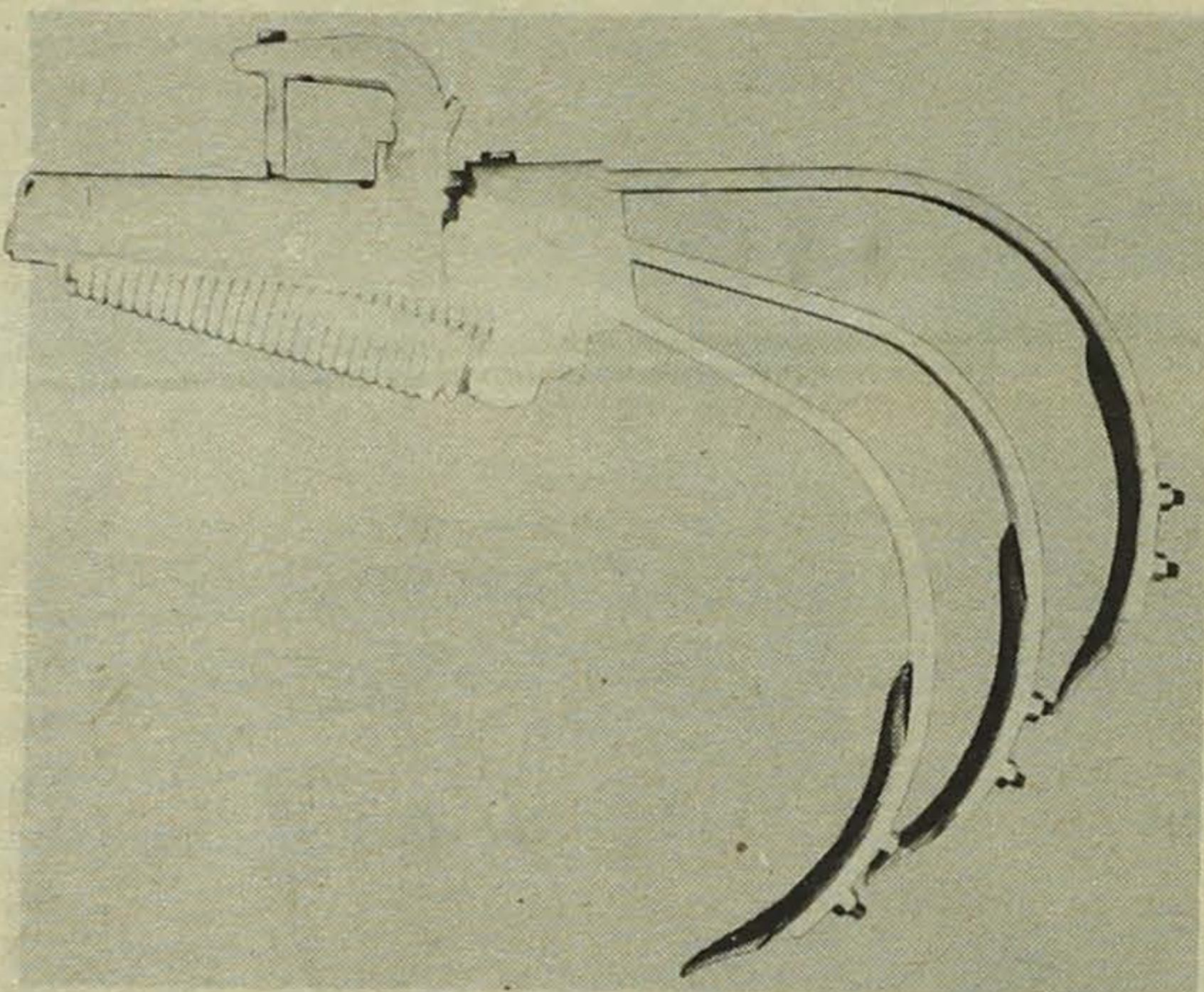
The bulk of the co-operator funds goes for education. The education committee sponsors a poster contest and a conservation workbook contest in the grade schools of Cass County. Prizes are given at an awards dinner each year. Money has also been given for the development of the outdoor classroom near Lewis. Scholarships are given to teachers and students to attend different conservation workshops during the year.

The contractors, who build dams, terraces, waterways, and install tile, are invited to an annual contractor's pancake dinner. Technical aspects of the work are discussed, along with any changes in specifications. It is a good time to iron out any problems ahead of the construction season.

There are many other small items that are paid for with co-operator funds that help the district run more smoothly, but things for which tax funds could not be used.

Sulphur is a very important mineral but there are only about 4 pounds of it in every ton of the earth's surface. It is used in the manufacture of medicines, gunpowder, matches and many other products. It is also used to harden rubber so it will not melt. The U.S. produces the majority of the world's sulphur. It is found mostly in Texas, Louisiana, California and Utah.

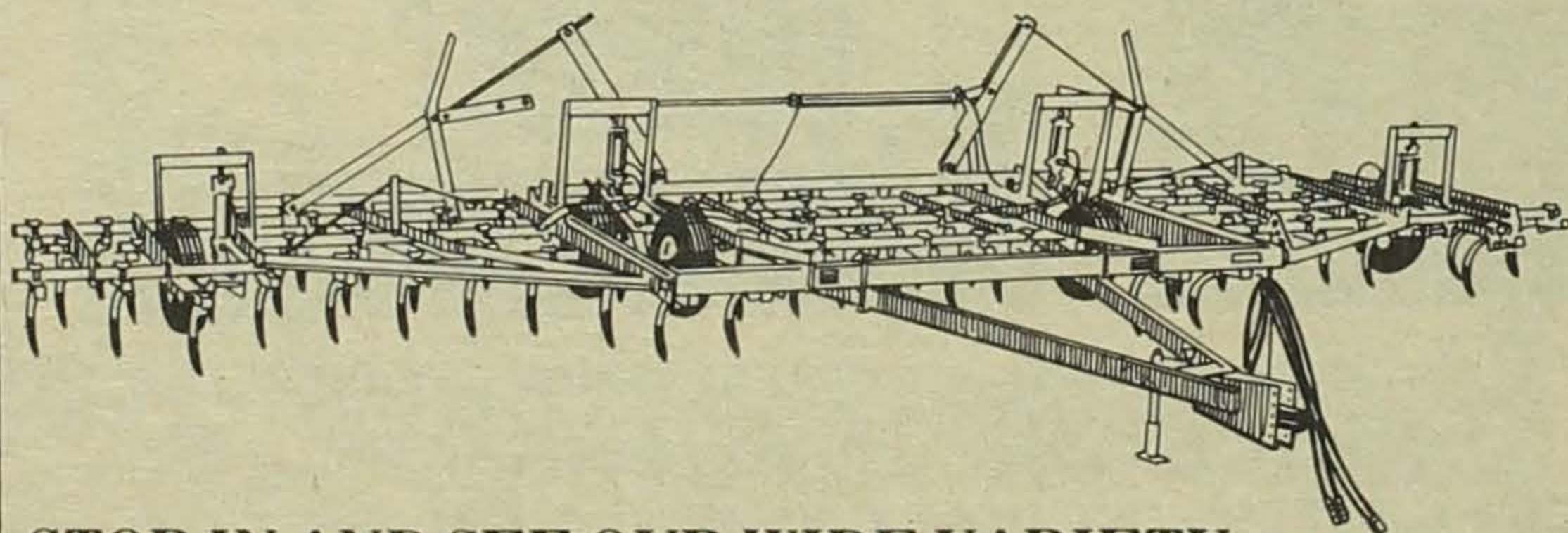
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IH 1066 D, red cab, air, 3 pt., very clean, don't wait too long.
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IH 153 4-row cultivator with rolling shields.
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Johnson loaders to fit cub cadet tractors.



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ASCS Aids Soil Programs With ACP Funds

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

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

Any farmer whose land needs conservation work may request cost-sharing assistance from the county ASC committee. The committee will review the application and if it is approved the cost-share will be paid when the practice is completed according to specifications of the technical agency. Farmers who receive ACP funds are responsible for sharing a por-

tion of the cost and maintaining the practice.

Last year \$75,281 in federal cost-share was paid out in Cass County. Of this about 34 percent went for permanent vegetative cover establishment, 11 percent for permanent vegetative cover improvement, 26 percent for terrace systems, one percent for diversions, three percent for windbreak restoration or establishment, nine percent for sediment retention, erosion or water control structures and 41 percent for sod waterways.

Applications for cost-share are now being accepted for 1980 and Cass County's allocation has been set at \$55,000. Practices started before receiving county committee approval will be ineligible for cost-share.

Those having a conservation problem on a farm are asked to contact the ASCS office. Participation in ASCS programs is open to all eligible farmers regardless of race, color, sex, age, religion or national origin.

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

chairman of the county committee; Rod Kunze, vice-chairman and Emert Euker, regular member.

The Agave tequilana plants that grow in Mexico resemble overgrown pineapples. The plants are stripped of their

leaves and the distilled juice of the plants yields the potent tequila that is a national drink in Mexico.

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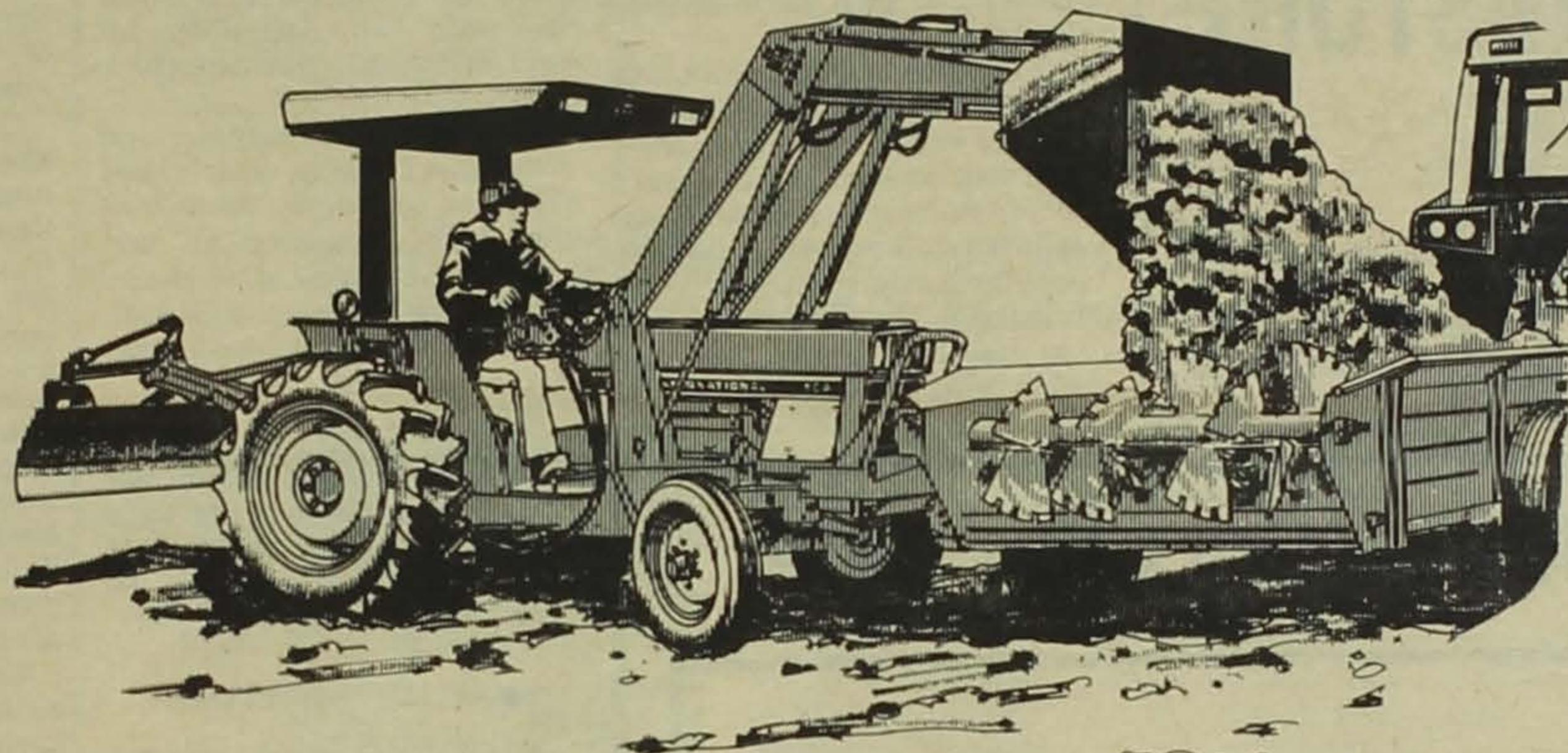
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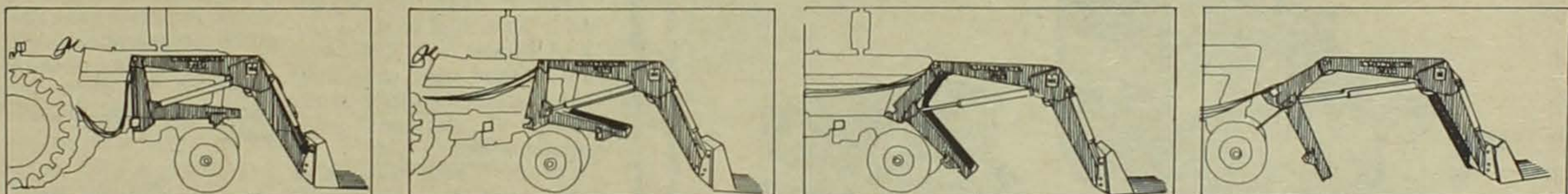
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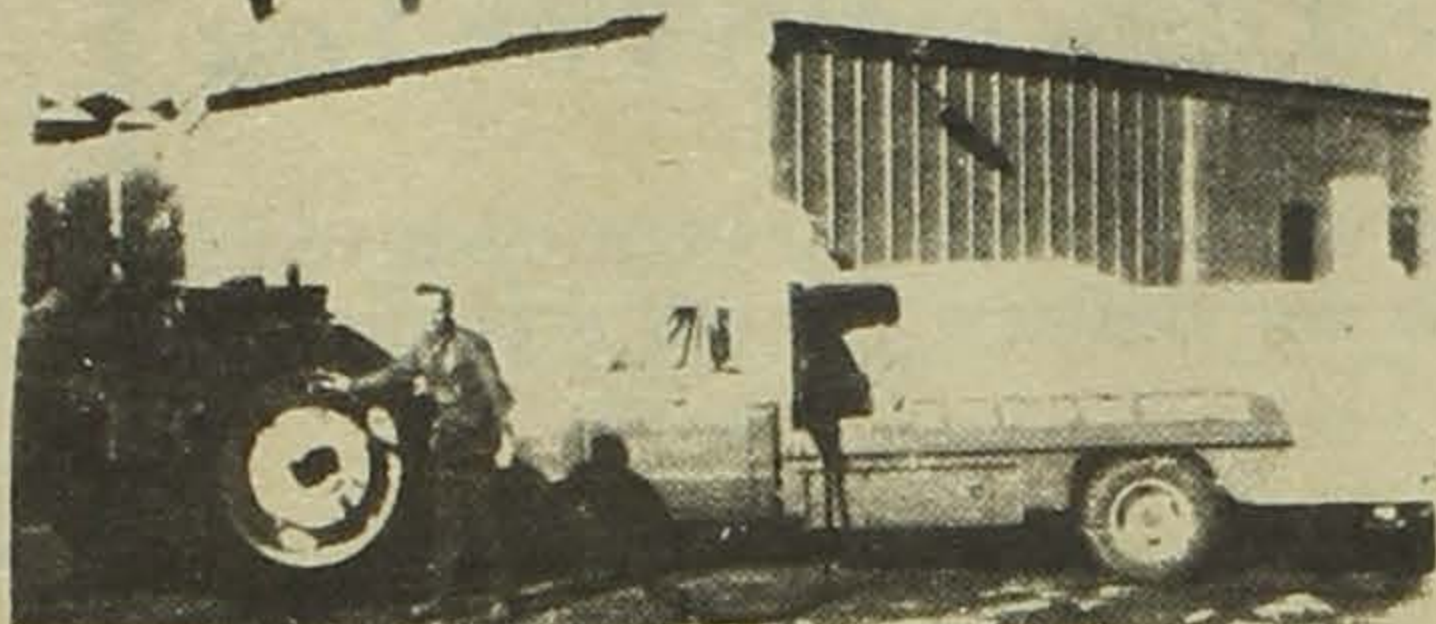
FARMINGTON, Conn. (AP) — An antidote is available to the practical joker who gets a kick out of pushing all the floor buttons on an elevator, causing other passengers the inconvenience of delays.

A new computerized elevator

system designed by Otis Elevator senses by weight how many passengers it is carrying.

If too many buttons have been pushed for the registered weight, a special device recognizes a mistake or mischief and cancels all the calls.

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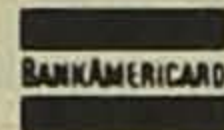
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Stories About Animal Friends

BY MRS. DAISY CANNON OF BRAYTON

Wise Little Hero

A glance at a young chicken's wee head indicates the small space nature allows for the amount of intellect stored there to carry out the plan of the creature's life span, which is never very long.

During life at one of our country homes, I took a mother hen off her nest with a fine large flock of sturdy chicks and established them in a small coop near the regular hen house, so when the main coop was closed and fastened for the night's safety, the little hen coop would not be forgotten but closed securely against invasion of rodents prowling at night.

When the chicks were about a week old, the mother hen sickened and died and the brood of chicks were left orphans at an early age. I picked up the coop and set it inside the hen house, for the time being, until the chicks could mature enough to fend for themselves. I went to inspect them several times a day to see that they were safe and well fed and watered. They adjusted readily and were soon contented to cuddle close together and keep warm through the night.

I noticed one little chick was especially ambitious. Glancing out the kitchen window in early morning toward the cow yard where the morning milking was in process, I could see the wee ambitious one scratching away making his little feet fly, starting his day's work, providing what food he could dig up to piece out his breakfast.

When my husband went to do the milking, he would stop and unlock the hen house door so the chickens were all out and ready when I went out to serve their breakfast of grain and water. As I gave the orphan chicks the special care they needed, they grew quite tame and had no fear of me.

One evening near the day's end, the little ambitious chick came to the house, jumped up on the porch, and began to chirp loudly. I laid aside my sewing and hurried to the door. When I opened the door, the chick turned around and started back toward the hen house, looking around once to see if I was coming. He hurriedly led the way to the coop door and there really was something to get excited about.

It seemed that the large hens, in locating their own place to sleep on the roost, had first hopped upon the small chicks' coop. Two or three hens at once crossing on the coop roof had managed to tip it over. I quickly picked up the small coop and found over half the chicks had already gone in and were in various stages of smothering. I drew the prostrate chicks out for more air and they all revived but one. One nice chick died.

I went and got a hammer and some stout stakes and staked the chick coop down. As soon as the chick considered all was safe, he led the rest of the chicks in to retire for the night's rest. He had done his duty and he was tired.

How could a little creature possessing such a very small amount of intellect reason out what to do to get help and save most of his motherless family of brothers and sisters? Let us give credit where credit is due.

SPOTTING ATOM

CHICAGO, (AP)—Scientists have developed a way to find an atom in a haystack of a million trillion of them.

One of the developers, Munir Nayfeh of the University of Illinois, said the detection method uses laser light that is carefully tuned to the energy of electrons in a specific atom.

The first step uses laser light to raise the energy level of a specific electron in the atom. The second step uses a different frequency of laser light to knock the electron out of the atom, making it detectable.

Habitat Stamp Provides Funds For Planning

By Dennis Sierck
Executive Office Cass

County Conservation Board

In a 1925 bulletin of the American Game Protective Association, Aldo Leopold, a federal forester at the time, wrote: "...we have learned that game, to be successfully conserved, must be positively produced rather than negatively protected...we have learned that game is a crop, which nature will grow and grow abundantly, provided only that we furnish the seed and a suitable environment."

On Jan. 1, 1979, through the combined efforts of the Iowa Conservation Commission and the Iowa Legislature, steps were taken to provide this suitable environment by the enactment of the Wildlife Habitat Stamp legislation. This bill requires that the \$3 wildlife habitat stamp must be purchased by Iowa hunters and trappers (resident and non-resident) who are required to have a hunting or trapping license.

The revenue from the sale of the habitat stamps must be used specifically for the acquisition of whole or partial interests in land from willing sellers for use as wildlife habitats, and the development and enhancement of wildlife lands and habitat areas.

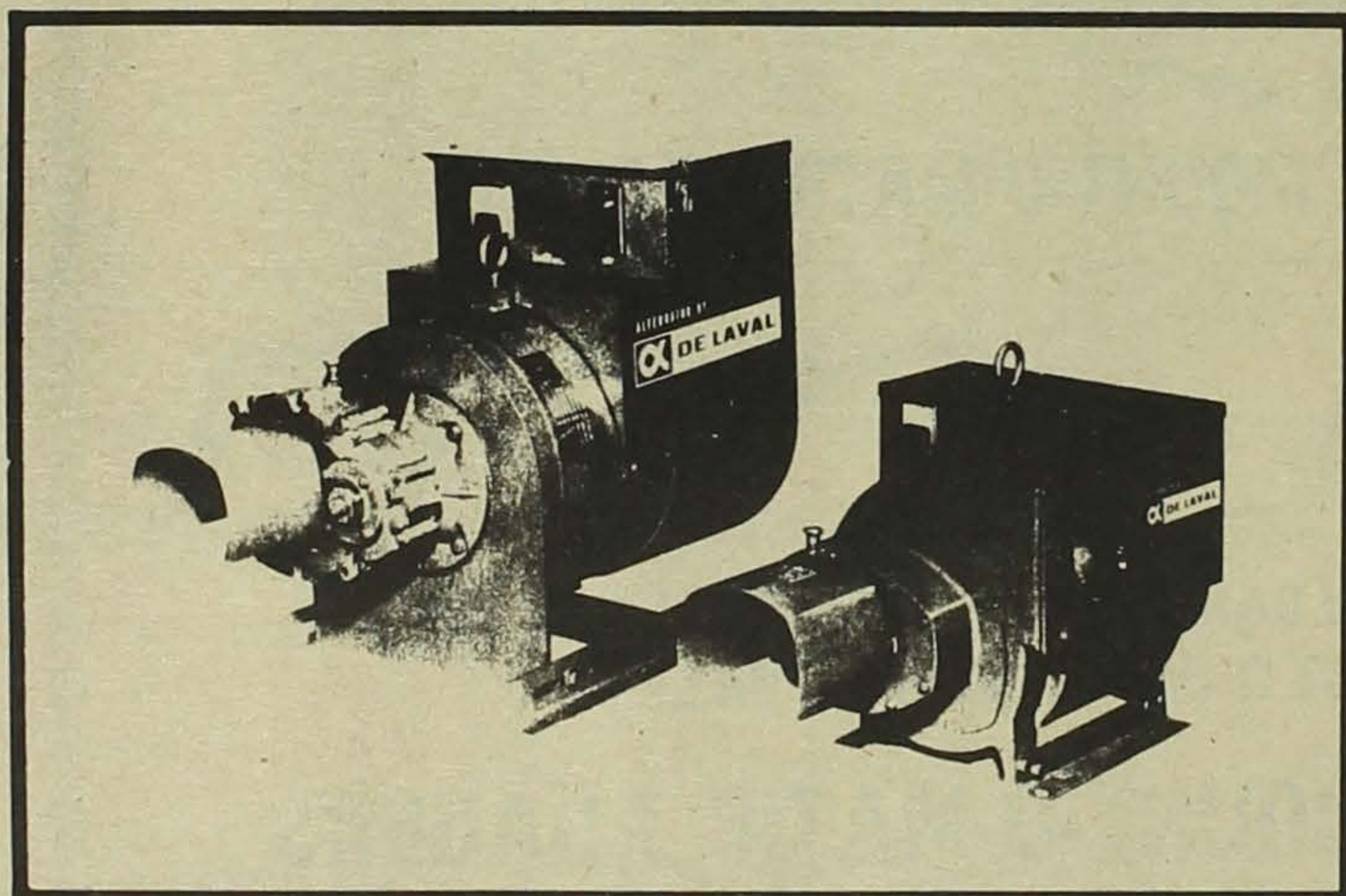
One-half of the fees from the sale of stamps each year will be used by the Iowa Conservation Commission for state acquisition, development and wildlife enhancement. The other one-half of the revenue will be used to cost-share approved wildlife habitat projects with local entities.

With the passage of this legislation, county conservation boards now have the opportunity to initiate and implement an acquisition and development plans for wildlife habitat.

When Aldo Leopold defined conservation as a state of harmony between man and land, and called for a "land ethic," he pointed out that such an ethic must embrace animals and plants that grow on the land. It is the responsibility of local conservation boards to help promote, develop and maintain this ethic. Both the opportunity and the need are here.

Farrar says industry sales of these service contracts were an estimated 1.93 million contracts in 1978 for a dollar value of \$392 million. In 1973, he says, there were 200,000 of the contracts in effect for a dollar value of about \$40 million.

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The Way To Enjoy The Holidays

By Grace Rasmussen

Farm Monthly Book Editor

Some people let the holidays get to them and make them melancholy. Not me! I'm too busy enjoying the early bazaars with all of their clever ideas for making and giving. Far too busy making cookies and coffee cakes for all my neighbors and house-fast friends, to have time to become dolorous. I enjoy all the Christmas color. All the bright packages and the glitter of the stores with the hustle and bustle of the streets.

It is also rewarding to write and to receive notes from friends and family that we no longer have the opportunity to see often. These artistic communications carry years of sharing across the miles. One recently reminded me of a caroling party that I had missed because of a bad throat. (No penicillin in those days.) I remember the good feeling of consolation that the good buttered toast floating in warm milk which my Mother offered as a token of solace and well-being in place of the isolation I was suffering.

Who can be let down in the midst of telephone calls, meeting of planes, keeping an eye on the roasting turkey and simultaneously running interference between family heirlooms and the youngest explorative member of the family?

Even after Christmas, ending one old year and beginning a new one, the quiet is soothing and precious ornaments and memories are tucked carefully away. There is a mellow fire sending shadows across the room and Christmas records are stacked on the player and one by one they drop for their last time of the season while some Glen Miller ones are waiting their neglected turns.

The vacuum stands a ready sentinel to eliminate any remaining trace of all frivolity. But, before I perform this last ritual, I believe I'm going to the kitchen and fix myself some warm buttered toast in hot milk.

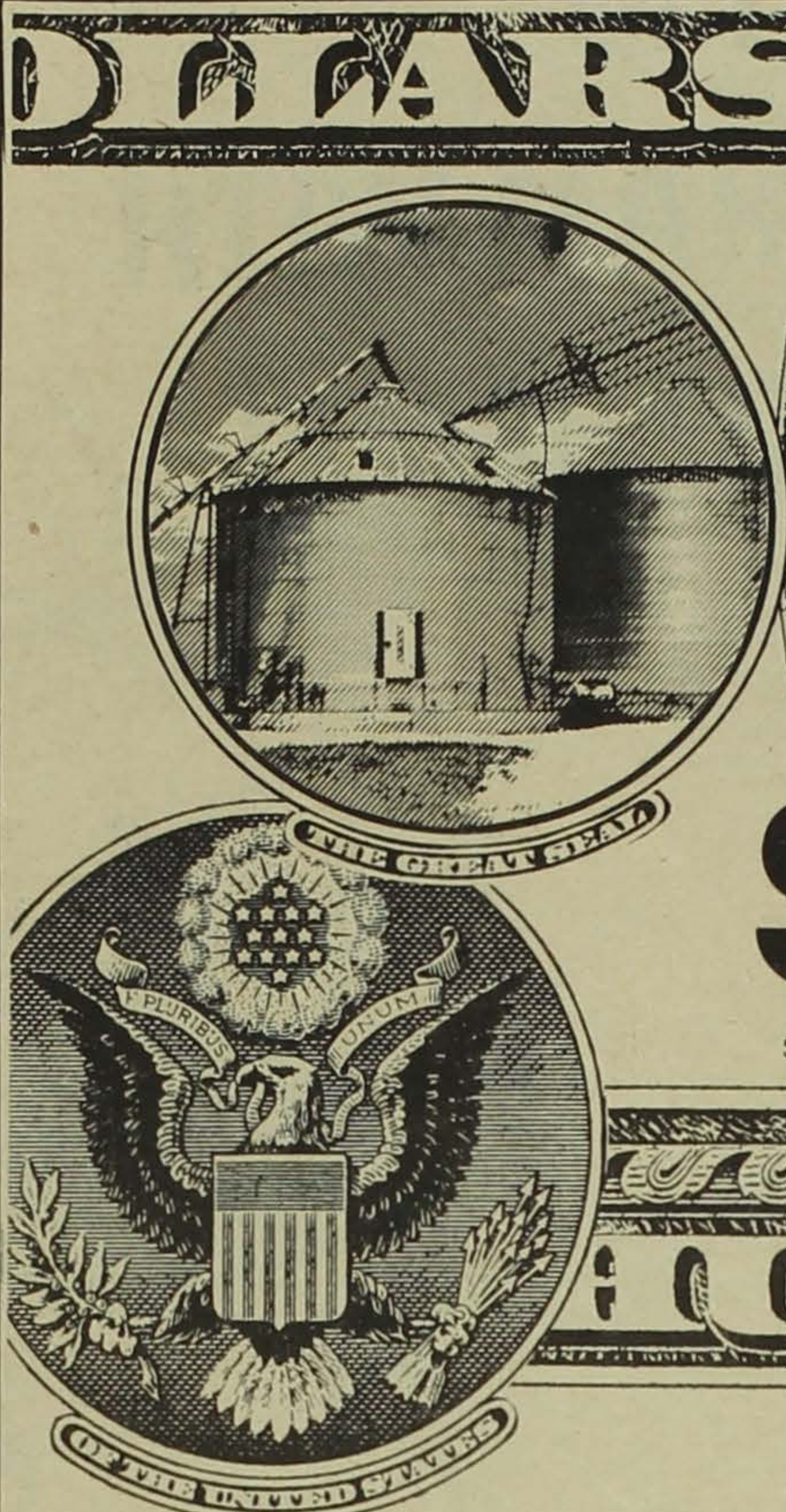
BALLET INJURIES

MILWAUKEE (AP) — Studying ballet is popular today but unless you do it right it could be a dangerous thing.

Ballet dancers tear ligaments, rupture tendons, strain and sprain muscles and break bones with about as much regularity as participants in any strenuous athletic activity, according to Dr. Raymond Waisman, the "team" physician for the Milwaukee Ballet Company.

To avoid injury, or at least mitigate it in dancing, Waisman offers the following advice:

- Warm up properly.
- Avoid fatigue and learn when to quit.
- Take rest periods and avoid unusual strains.
- Eat right. A dancer may burn up 3,000 to 4,000 calories a day, as many as a construction worker. Yet many dancers constantly diet or adopt faddish food styles that do not offer them enough protein or carbohydrates.
- If injured, ice the injury immediately; 24 hours later use heat, whirlpool bath, gentle activity or massage to aid healing. And give these injuries time to heal.

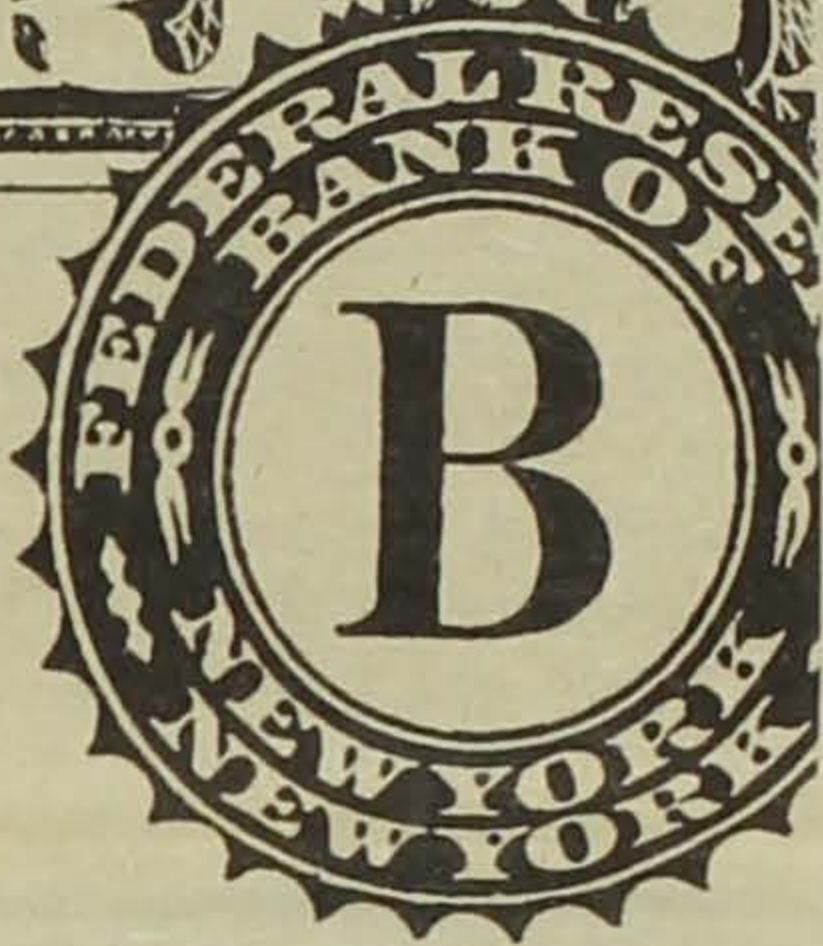


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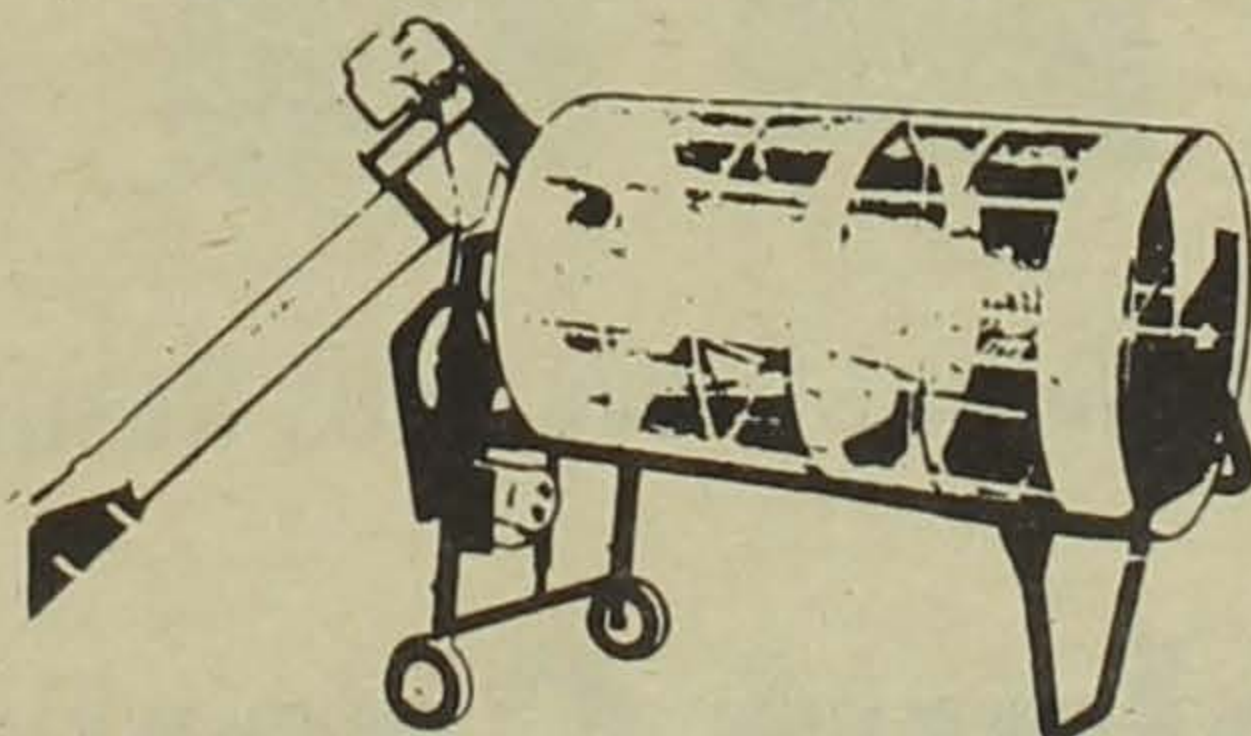
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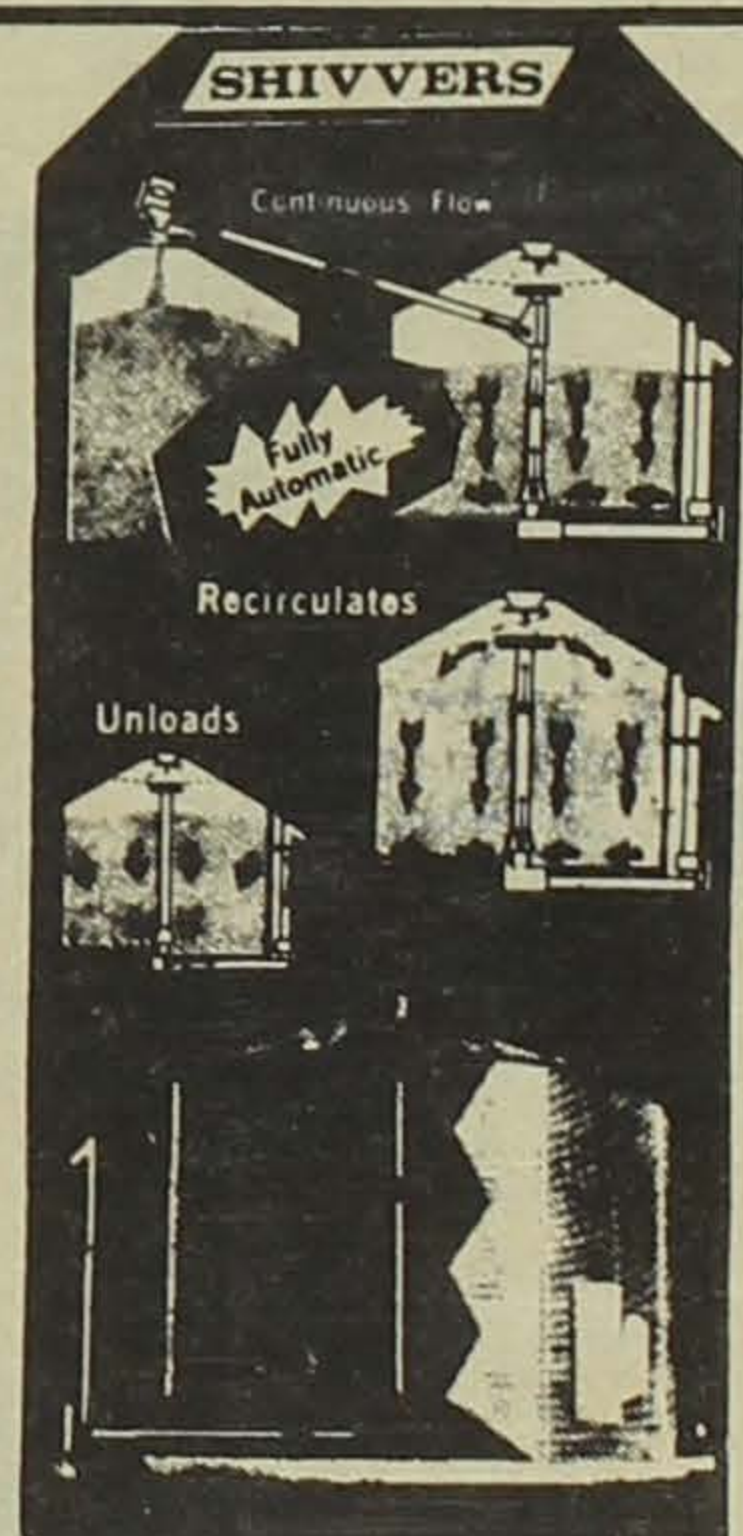


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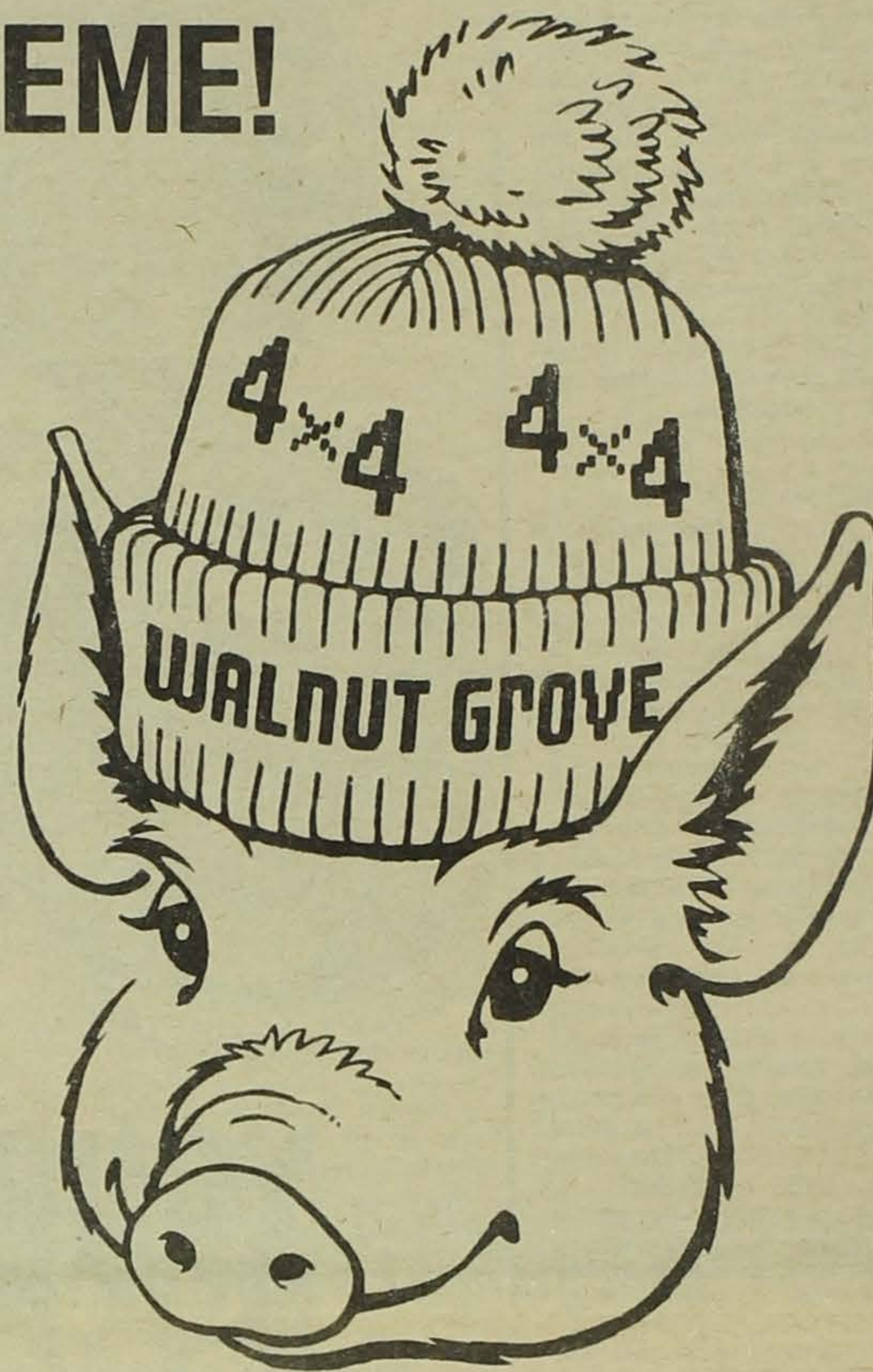
CAP OFF YOUR PIG STARTER PROGRAM WITH 4x4 WEANER SUPREME!

Walnut Grove compared Weaner Supreme to a pig starter formula recommended by a leading land grant university. The following are the results from five replications of this test with 80 pigs. After the starting period, all pigs were fed the same rations to market weight.

	Weaner Supreme	University Ration	
Starting Period			
Beginning weight	12.5	12.5	
Ending weight	21.90	17.87	
Gain during period	9.4	5.37	
Feed/lb of gain (lbs)	1.80	2.41	(+33.9%)
Carry-Over Period (after starting period to market)			
Daily gain (lbs)	1.41	1.25	(-11.3%)
Feed/lb of gain (lbs)	2.92	3.33	(+14%)
Initial to 220 lbs (market)			
Daily gain	1.24	1.07	(-13.7%)
Feed/lb of gain (lbs)	2.87	3.30	(+15%)
Days to market	167	194	(+27)

The economics of the starting test showed Weaner Supreme cost \$3.96/cwt. of gain less than the university ration even though the university ration would sell \$58 per ton lower than Weaner Supreme. Birth-to-market feed costs for the pigs started on Weaner Supreme were \$2.27/cwt. less than the total feed costs for the pigs started on the university ration, even though all pigs received similar rations after the starting period. This is known as nutritional carry over.

The results again showed that a pig properly started on a high quality ration will out perform those started on a lesser quality ration, not only during the starting period but all the way to market.



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