

The PALIMPSEST



The Pioneer Cabin Was a Protection from all Kinds of Weather

Of Time and the Weather

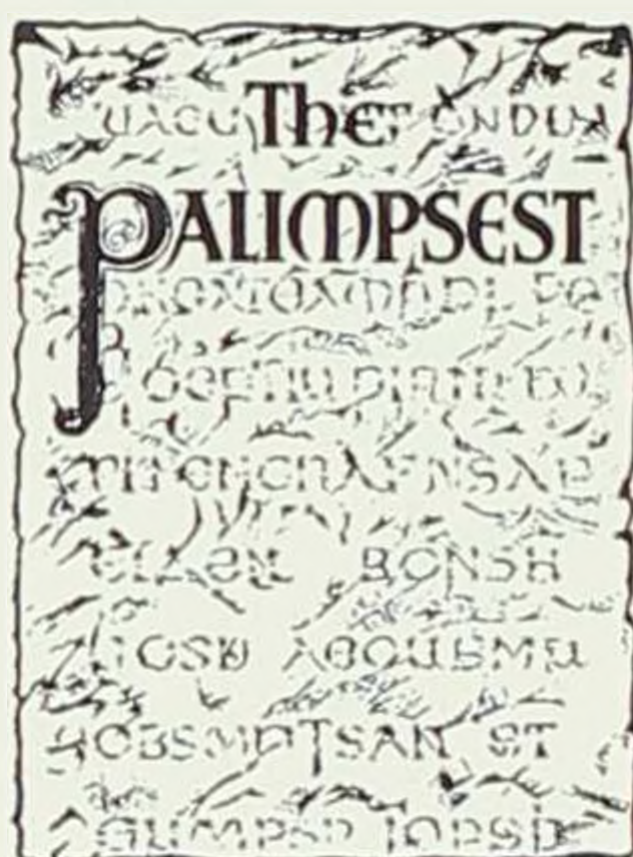
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The Meaning of Palimpsest

In early times a palimpsest was a parchment or other material from which one or more writings had been erased to give room for later records. But the erasures were not always complete; and so it became the fascinating task of scholars not only to translate the later records but also to reconstruct the original writings by deciphering the dim fragments of letters partly erased and partly covered by subsequent texts.

The history of Iowa may be likened to a palimpsest which holds the record of successive generations. To decipher these records of the past, reconstruct them, and tell the stories which they contain is the task of those who write history.

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OF TIME AND THE WEATHER

WILLIAM J. PETERSEN

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Illustrations

The Frank Miller cartoons are courtesy of the *Des Moines Register and Tribune*.

Author

Dr. William J. Petersen is Superintendent of the State Historical Society of Iowa.

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VOL. L

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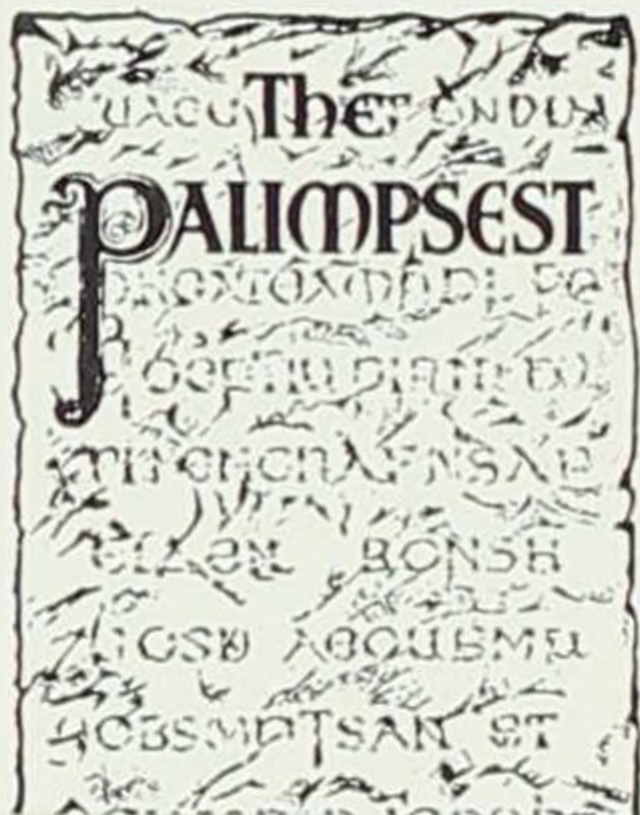
AN INVITATION TO JOIN THE STATE HISTORICAL SOCIETY OF IOWA

Membership open to anyone 18 years old or a high school graduate

The State Historical Society of Iowa was established by law at Iowa City in 1857. It published its first quarterly magazine — *The Annals of Iowa*, in 1863, one of the first such publications in the United States. Over the past century it has published almost 100 books, 90 volumes of its historical quarterly, and 47 volumes of its unique popular monthly — *The Palimpsest*. This outstanding publication program won the following tribute from Dr. Paul M. Angle, Director of the Chicago Historical Society: *States older than Iowa may have larger historical literatures, but no state has had its past so thoroughly explored and so widely disseminated by its own historical society.*

The Society's library contains 90,000 books, 30,000 pamphlets, 12,000 bound volumes of newspapers, 5,200 rolls of microfilm, and a rich store of maps, pictures, diaries, and manuscripts.

western farm life on Garland after he had gained perspective by residence in Boston. Some of the best Iowa stories in *Main Travelled Roads*, according to John T. Frederick, are: "Under the Lion's Paw," "A Day's Pleasure," and "Mrs. Ripley's Trip."



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SUPERINTENDENT
STATE HISTORICAL SOCIETY OF IOWA
IOWA CITY, IOWA 52240

PERSONAL MEMBERSHIP

I would like to become a member of the State Historical Society of Iowa. Membership is \$5 a year. My Bonus Packet will contain:

The following special issues of *The Palimpsest*:

Hoover in Iowa
Spirit Lake Massacre
The Amana Colonies
The Tama Powwow

With my MEMBERSHIP for one year, I will get 12 numbers of *The Palimpsest*; 4 numbers of *News for Members*, and any other books and publications issued by the Society.

Name

Street

City State Zip

and Tribune.

Author

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Of Time and the Weather

PIONEERS

*They rise to mastery of wind and snow;
They go like soldiers grimly into strife
To colonize the plain. They plow and sow,
And fertilize the sod with their own life,
As did the Indian and the buffalo.*

—HAMLIN GARLAND

Few authors have written more graphically of the hardships of the pioneers than Hamlin Garland. Born in West Salem, Wisconsin, in 1860, Garland moved with his parents to Iowa where he graduated from a literature course at the Cedar Valley Seminary at Osage in 1881. Garland's early life in Wisconsin and Iowa is unforgettably portrayed in his *Main Travelled Roads*, a book that records with stark realism the impact of Midwestern farm life on Garland after he had gained perspective by residence in Boston. Some of the best Iowa stories in *Main Travelled Roads*, according to John T. Frederick, are: "Under the Lion's Paw," "A Day's Pleasure," and "Mrs. Ripley's Trip."

The necessity of observing the seasons of the year, as forecast in the various almanacs, was not lost sight of by the Iowa farmer. Thousands of these almanacs were brought westward across the Mississippi by the pioneers. They served a useful purpose, first of all, because they provided a ready calendar, probably the only one the household could boast. Secondly, they were invaluable to the farmer in determining the best season of the year to sow his seeds, cultivate his fields, and harvest his crops. In other words, an almanac was a calendar containing weather forecasting, some of which turned out to be surprisingly accurate, more especially since statistical records by the United States Weather Bureau did not begin in Iowa until 1873.

The pioneer period in the Hawkeye State lasted over half a century of time from the beginnings of white settlement in southeastern Iowa on the Frontier of 1830 to the movement into northwestern Iowa and its Sod House Frontier of 1870. The blood, sweat, and tears that accompanied the conquest of the Iowa prairies left an indelible impression on the memories of those sturdy pioneers who carved out their homes in the vast wilderness expanse between the Mississippi and the Missouri.

The present number of *The Palimpsest* contains several features reminiscent of the old almanacs of yesteryear. The fine drawings of cartoonist Frank Miller of the *Des Moines Register* provide

readers with a calendar for the year 1969. On one page, following each monthly calendar, excerpts have been added from four newspapers that were printed in Iowa in 1838—the *Iowa News* at Dubuque, the *Iowa Sun* and *Davenport & Rock Island News*, the *Iowa Territorial Gazette and Burlington Advertiser*, and the *Fort Madison Patriot*. On the opposite page there appears a chronological list of events in Iowa over the three centuries of time from the advent of Joliet and Marquette in 1673 to well into the 20th Century.

The recording of weather—rain, snow, heat, cold, storms, floods, earthquakes, meteors, and similar phenomena—is a routine feature of all almanacs. To these has been added a variety of historic events that in the main illustrates the growth of the Hawkeye State. In addition, poems descriptive of the seasons by famous American poets and writers, have been interspersed as space permitted.

The final page of each monthly calendar section contains either one or two Frank Miller cartoons, a poem, or a combination of the two, depending on the suitability and availability of the material.

To interlock the current 1969 calendar with the Iowa weather story, the inside back cover contains the average temperature and rainfall, as well as the highest and lowest temperature recorded in the state for each year from 1873 through 1968. The snowfall records begin with 1892. Tempera-

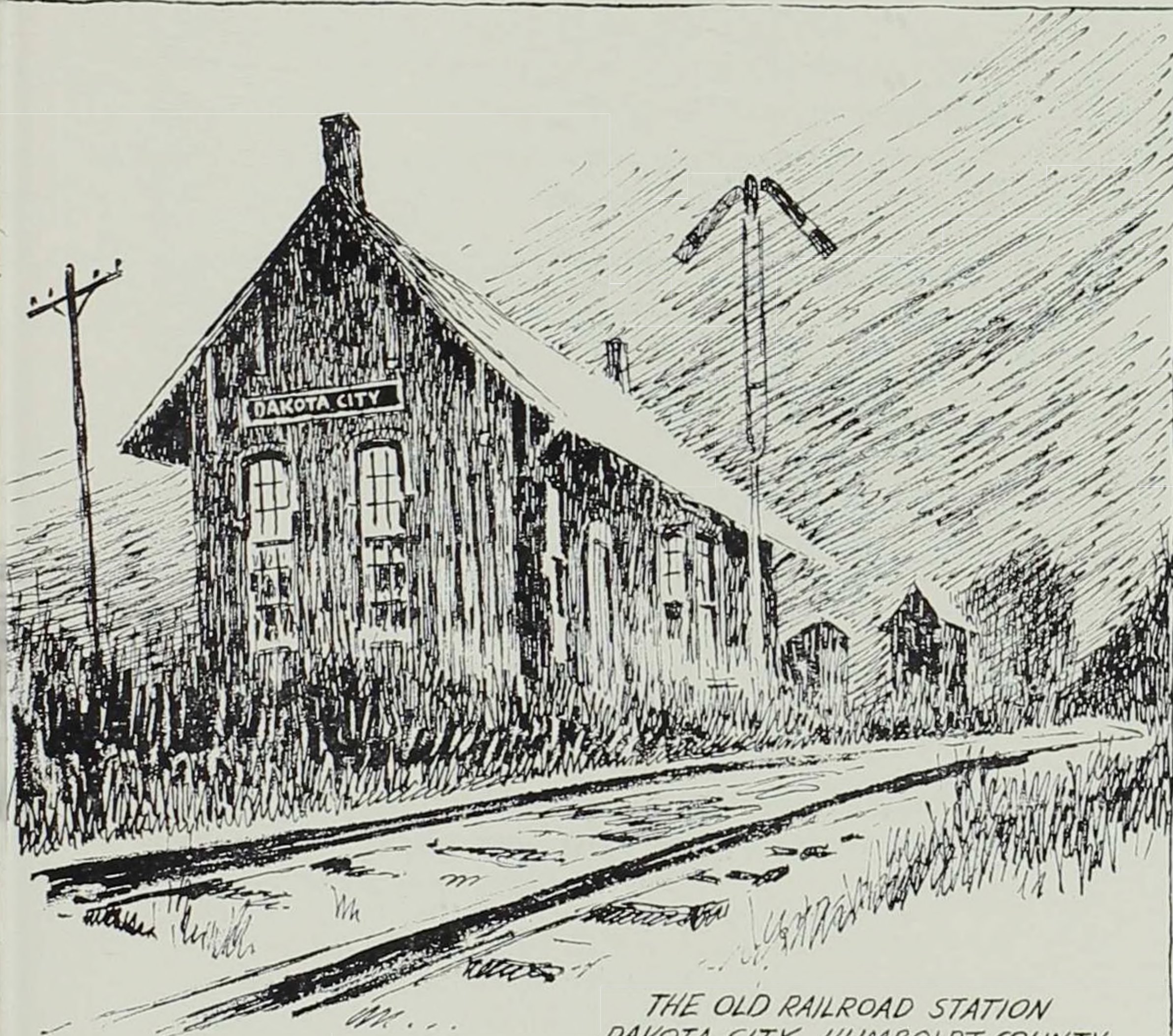
ture, rainfall, and snowfall for a period of forty-one years—from 1928 to 1968 inclusive—are included on a three-page spread which is introduced by a map showing the nine regional weather districts into which Iowa is divided. The map and weather statistics were furnished by Paul Waite of the Weather Bureau Office in Des Moines.

A special feature is the Perpetual Calendar which covers the period from 1776 to 2028. This calendar makes it possible to determine instantly on what day a certain birth, death, or historical event occurred between 1776 and 2028—thus having in mind the historic past as well as the nebulous and always unpredictable future. The calendars for the years 1970, 1971, 1972, and 1973 appearing on the outside back cover are gleaned from the Perpetual Calendar. Actually, it would be possible to forecast the days on any year from 1969 to the year 2028, although for the most part a ten or twenty-year glimpse into the future would suffice for most people. This unique Perpetual Calendar was graciously loaned the writer by S. Durward Hoag, able historian in his own right, and proprietor of the Motor Hotel Lafayette in Marietta, Ohio.

The inclusion of so much historical and statistical data in this number of *The Palimpsest* will make it a must reference source long after the year 1969 dims into the obscure past.

WILLIAM J. PETERSEN

JANUARY 1969



THE OLD RAILROAD STATION
DAKOTA CITY, HUMBOLDT COUNTY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FRANK MILLER

THE REGISTER'S IOWA CALENDAR

©1968, DES MOINES REGISTER AND TRIBUNE COMPANY

JANUARY—1838

Weather Calendar

New Year's Day. The weather was warmer "than ever before felt in the country at this season of the year." A warm rain stripped the earth of snow and entirely cleared the ice from the channel of the Mississippi. One enterprising citizen "was busily engaged in prairie breaking" near Dubuque.

Saturday, January 13. The weather continued fair, "having much the appearance of Indian Summer."

Saturday, January 27. Though the Mississippi River was frozen at Prairie la Port, it was still running at Dubuque.

Tuesday, January 30. A cold wave struck Dubuque. The river froze solid enough to be crossed with safety. If the zero weather should continue, "jolly fellows" planned to go sleigh riding on the river.

Wednesday, January 31. The coldest night of the winter at Burlington. Though the river was still open, it was "jam full of ice."

THE SNOW-STORM

*Announced by all the trumpets of the sky,
Arrives the snow, and, driving o'er the fields,
Seems nowhere to alight: the whited air
Hides hills and woods, the river, and the heaven,
And veils the farm-house at the garden's end.
The sled and traveller stopped, the courier's feet
Delayed, all friends shut out, the housemates sit
Around the radiant fireplace, enclosed
In a tumultuous privacy of storm.*

—RALPH WALDO EMERSON

JANUARY HISTORICAL CALENDAR

January 1, 1863 New Year's Day first celebrated as legal holiday under law approved on April 7, 1862.

January 3, 1856 "Many Citizens" called a meeting at Iowa City on February 22nd for the formation of a Republican Party in Iowa.

January 4, 1843 First recorded earthquake in Iowa at Burlington.

January 7, 1873 Reverend John J. Evans, his wife, and child frozen to death in Howard County.

January 12, 1912 The lowest temperature ever recorded in Iowa (-47° at Washta).

January 14, 1869 Mark Twain lectured at Davenport.

January 17, 1884 State Capitol at Des Moines dedicated.

January 18, 1936 Beginning of most severe and prolonged cold spell in 127 years of Iowa weather recording.

January 19, 1857 Constitutional Convention convened at Iowa City.

January 24, 1860 Norman Wiard patented ice boat to operate on Upper Mississippi during the winter.

January 26, 1858 James W. Grimes elected United States Senator.

January 30, 1836 **Northwestern Gazette and Galena Advertiser** recorded first attempt to operate a steam sleigh on the Fever and Mississippi rivers.

EDITORIAL NOTES

This has been a healthy winter. Old Dr. Zero is death on microbes.

Jack Frost makes good roads when he is given full sway. A mild open winter is not desirable in this latitude, either for health or business.

Quoted in Monthly Review Iowa Weather and Crop Service, January, 1893

10 BELOW!

When the winter's at its height,
And the days are growing bright,
With a minute more of light

As they go;
When the fashionables flee
Southward, leaving you and me,
Then 'tis very apt to be
10 below!

When the snow beneath the wheels
Of the passing wagon squeals,
And a twinging pain one feels

In his toe;
And your beard is frozen stout
As the drip beneath the spout,
Then its probably about
10 below!

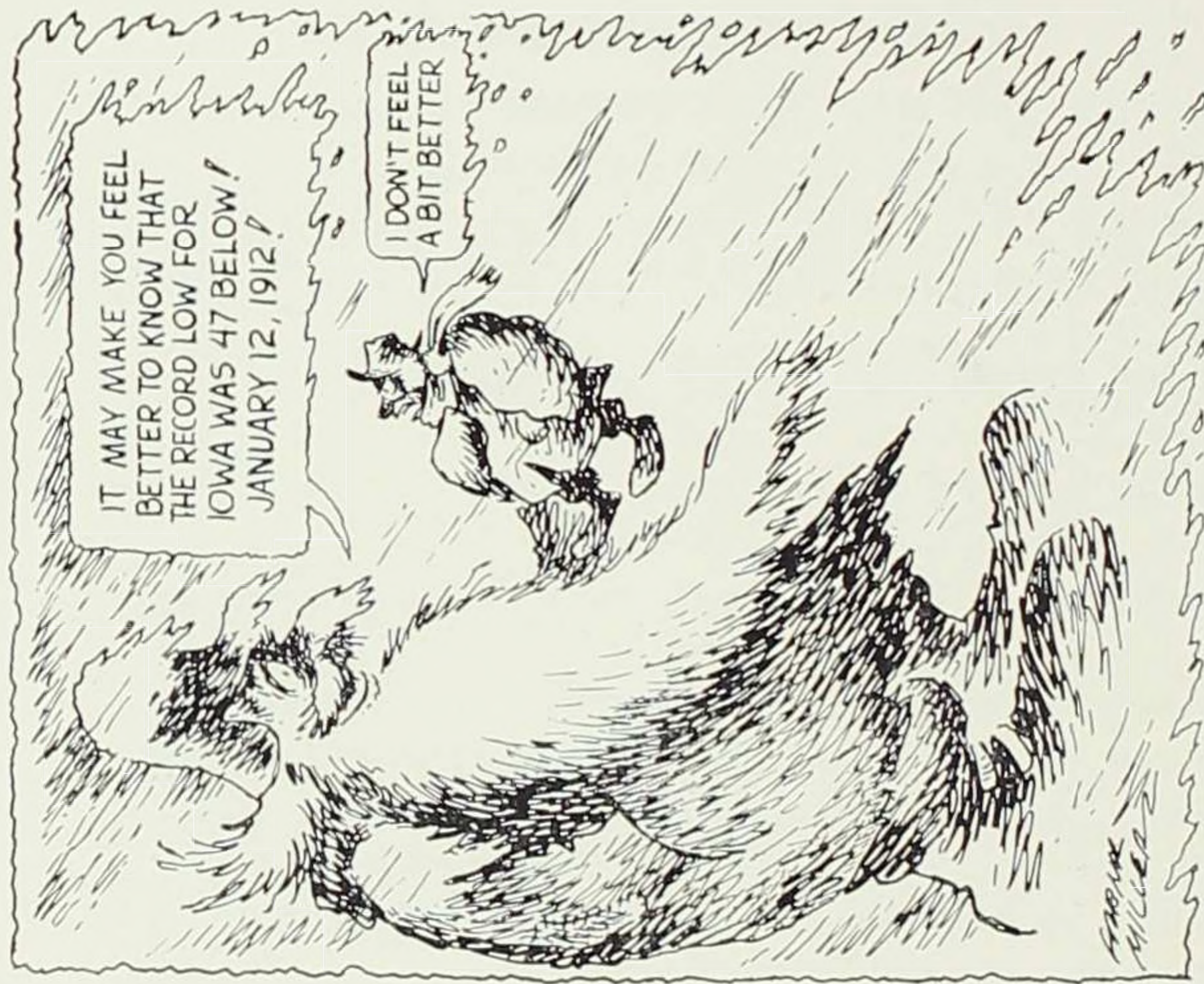
When the furnace heat says "nay,"
And the coalman's lost his "weigh,"
And the milkman brings frappe—

Chalk and snow,
When the washing's just begun,
And the water pipes won't run,
O, it's then we'd like to shun
10 below!

—*The Inter Ocean* [Chicago]

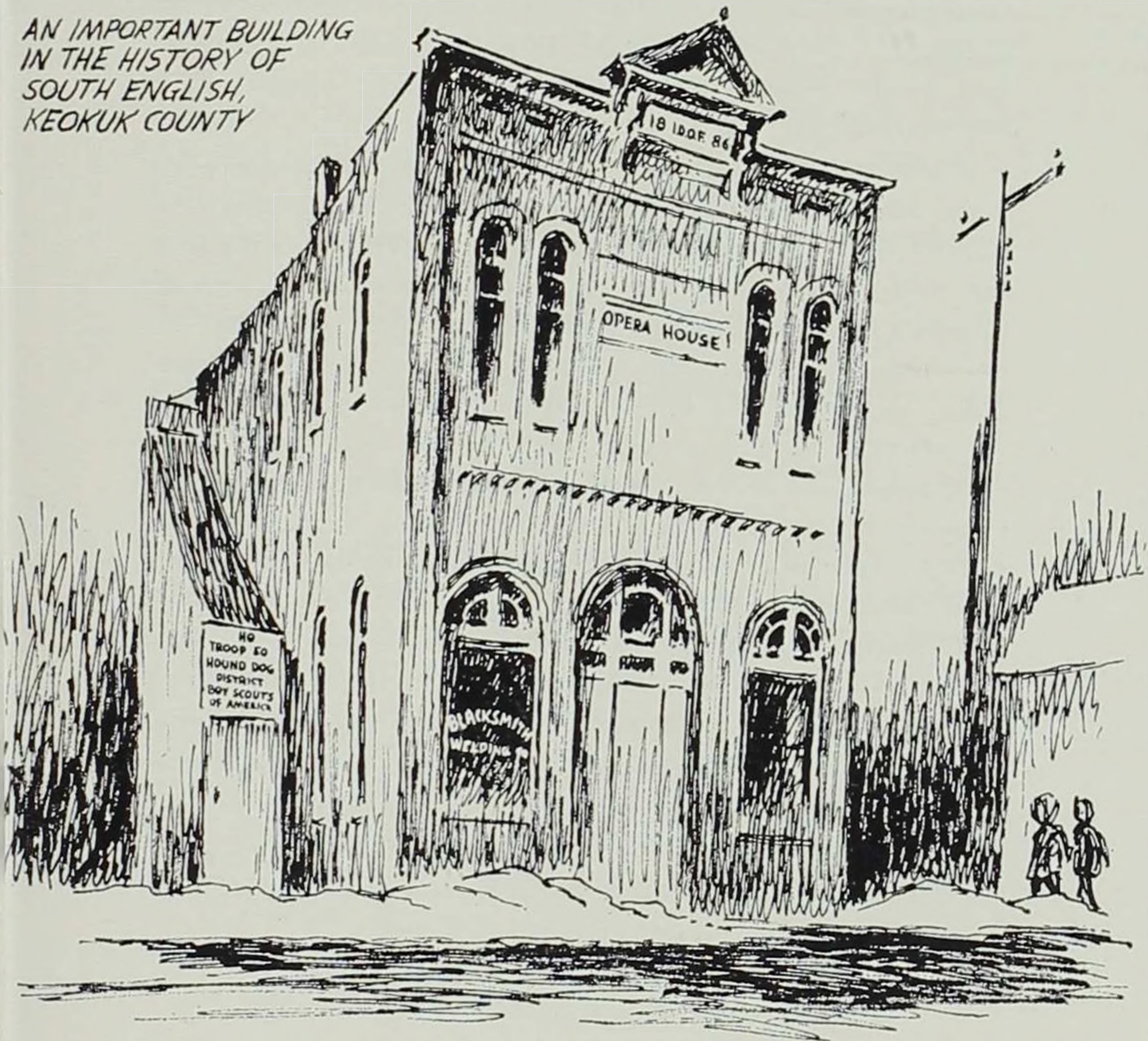
Quoted in Monthly Review Iowa Weather and Crop Service, January, 1893.

AN INTERESTING WEATHER STATISTIC



FEBRUARY 1969

AN IMPORTANT BUILDING
IN THE HISTORY OF
SOUTH ENGLISH,
KEOKUK COUNTY



SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

THE REGISTER'S IOWA CALENDAR

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FEBRUARY—1838

Weather Calendar

Thursday, February 1. Cold weather continued. The thermometer fell as low as sixteen degrees below zero at Dubuque. Nevertheless, the mail was coming regularly, and so the settlers west of the river were "once more in the world."

Tuesday, February 13. At Dubuque the temperature went down to twenty-five degrees below zero, but at Burlington the thermometers were "all too short" to measure the cold. Everything was "friz up," including the pockets of newspaper subscribers and the hearts of creditors.

Friday, February 16. "Stolen, I expect," advertised John W. Markle, "but missing anyhow, a small black 'Fiste,' or if that ain't spelt right, a *little* dog, well known by the name of 'Toney,' with a plain, smooth, honest countenance, dressed in a blue stockinet jacket, decorated with ribbons; but as he took all his clothing with him, it is quite likely he may change his dress."

Thursday, February 22. The ice bridge was being used by Illinois farmers to market produce in Burlington.

Wednesday, February 28. Residents of Des Moines County began to dig out of the deepest snow of the season. The storm was "interspersed with varieties of rain and hail, and accompanied with a due proportion of thunder and lightning."

A MILLION LITTLE DIAMONDS

*A million little diamonds
Twinkled on the trees;
And all the little maidens said:
"A jewel, if you please!"
But while they held their hands outstretched,
To catch the diamonds gay,
A million little sunbeams came,
And stole them all away.*

—MARY FRANCES BUTTS

FEBRUARY HISTORICAL CALENDAR

February 1, 1806 Zebulon M. Pike reached Leech Lake and erroneously described it as source of the Mississippi.

February 5, 1851 Governor approved "Code of 1851."

February 6, 1846 Mormons crossed Mississippi and began long trek across southern Iowa.

February 7, 1857 Constitution of the State Historical Society adopted.

February 12, 1875 Brilliant meteor fell at Amana.

February 12, 1909 Lincoln's Birthday first celebrated as legal holiday.

February 22, 1897 Washington's Birthday became a legal holiday in Iowa.

February 22, 1936 End of most severe and prolonged cold spell in 127 years.

February 25, 1847 State University of Iowa established by law.

February 25, 1847 Great meteor fell near Marion.

February 26, 1874 Death of William Williams, founder of Fort Dodge and commander of the Spirit Lake Massacre Relief Expedition.

THE BELLS

*Hear the sledges with the bells,
Silver bells!*

What a world of merriment their melody foretells!

How they tinkle, tinkle, tinkle,

In the icy air of night!

While the stars, that oversprinkle

All the heavens, seem to twinkle

With a crystalline delight;

Keeping time, time, time,

In a sort of Runic rhyme

To the tintinnabulation that so musically wells

From the bells, bells, bells, bells,

Bells, bells, bells—

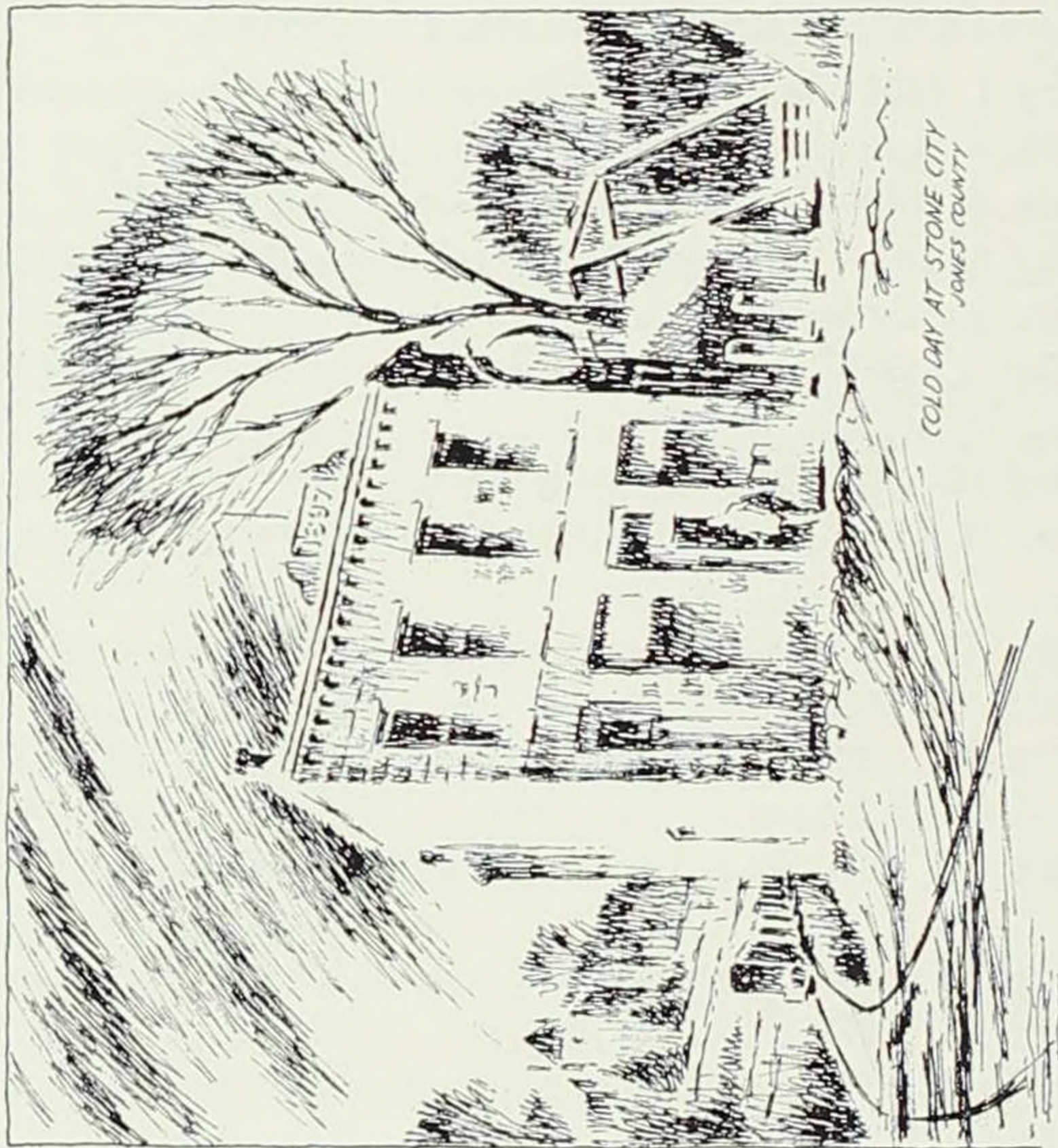
From the jingling and the tinkling of the bells.

—EDGAR ALLAN POE

I SHALL DO NOTHING THROUGH MALICE;
WHAT I DEAL WITH IS TOO VAST FOR MALICE



FEBRUARY, 1966



MARCH 1969



MARCH SNOW
IN IOWA COUNTY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23 30	24 31	25	26	27	28	29

FRANK
MILLER

THE REGISTER'S IOWA CALENDAR

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MARCH—1838

Weather Calendar

Thursday, March 1. March came in like a lion, bringing a snowstorm.

Friday, March 9. The weather was "clear and pleasant" at Dubuque where the thermometer rose to 40° at noon and fell to about 20° at night.

Thursday, March 15. At Dubuque the frost was nearly all out of the ground, the streets were "perfectly dry," and business was "pricking up its ears with the fair prospect of seeing a boat puffing up soon."

Friday, March 16. Early risers at Burlington, where the weather had been "more like May than March," were "greeted with a two inch carpet of virgin snow upon nature's floor."

Sunday, March 18. The ice began to go out of the river at Burlington.

Thursday, March 22. Black Hawk and his son, Nash-easkuk, attended a ball in Fort Madison. Black Hawk wore his full "court dress."

Saturday, March 24. "If a division of the Territory is affected, we propose that the Iowans take the cognomen of Hawkeyes," wrote James G. Edwards in the *Fort Madison Patriot*. "Our etymology can then be more definitely traced than can that of the Wolverines, Suckers, Gophers, etc., and we shall rescue from oblivion a memento, at least, of the name of the old chief. Who seconds the motion?" The Reverend Mr. McCoy, appointed by the Schuyler Presbytery to form a church in Fort Madison, preached at early candlelighting in Mr. O'Neil's house. The *Gypsy* was the first steamboat up the river.

Sunday, March 25. The weather was "as bland as May;" the ice was all out of the river, and the water at a high stage.

Tuesday, March 27. The handsome new steamboat, *Demoine*, landed a large number of enterprising Ohio farmers at Fort Madison.

Friday, March 30. The *Demoine* arrived at Dubuque, bringing forty kegs of blasting powder.

MARCH HISTORICAL CALENDAR

March 3, 1845 President Tyler signed bill admitting Iowa and Florida as States. Rejected by Iowa!

March 4, 1929 Herbert Hoover, first Iowa-born President, was inaugurated.

March 8, 1857 Spirit Lake Massacre began at the Gardner cabin.

March 9, 1804 Captain Amos Stoddard, representing France, received Upper Louisiana from the Spanish Governor at St. Louis.

March 15, 1842 Chief Wapello died on hunting trip in Keokuk County and at his request was buried beside his white friend, Joseph Street, at Agency.

March 22, 1858 Bill approved for organization of State Agricultural College.

March 24, 1810 Death of Julien Dubuque.

March 24, 1838 James G. Edwards suggested the nickname "Hawkeyes" for the people of Iowa.

March 25, 1837 Incorporation of City of Dubuque voted at meeting in Methodist Church.

March 31, 1838 John Plumbe, Jr., called meeting at Dubuque to discuss the possibility of building a railroad to the Pacific Ocean.

SNOWFLAKES

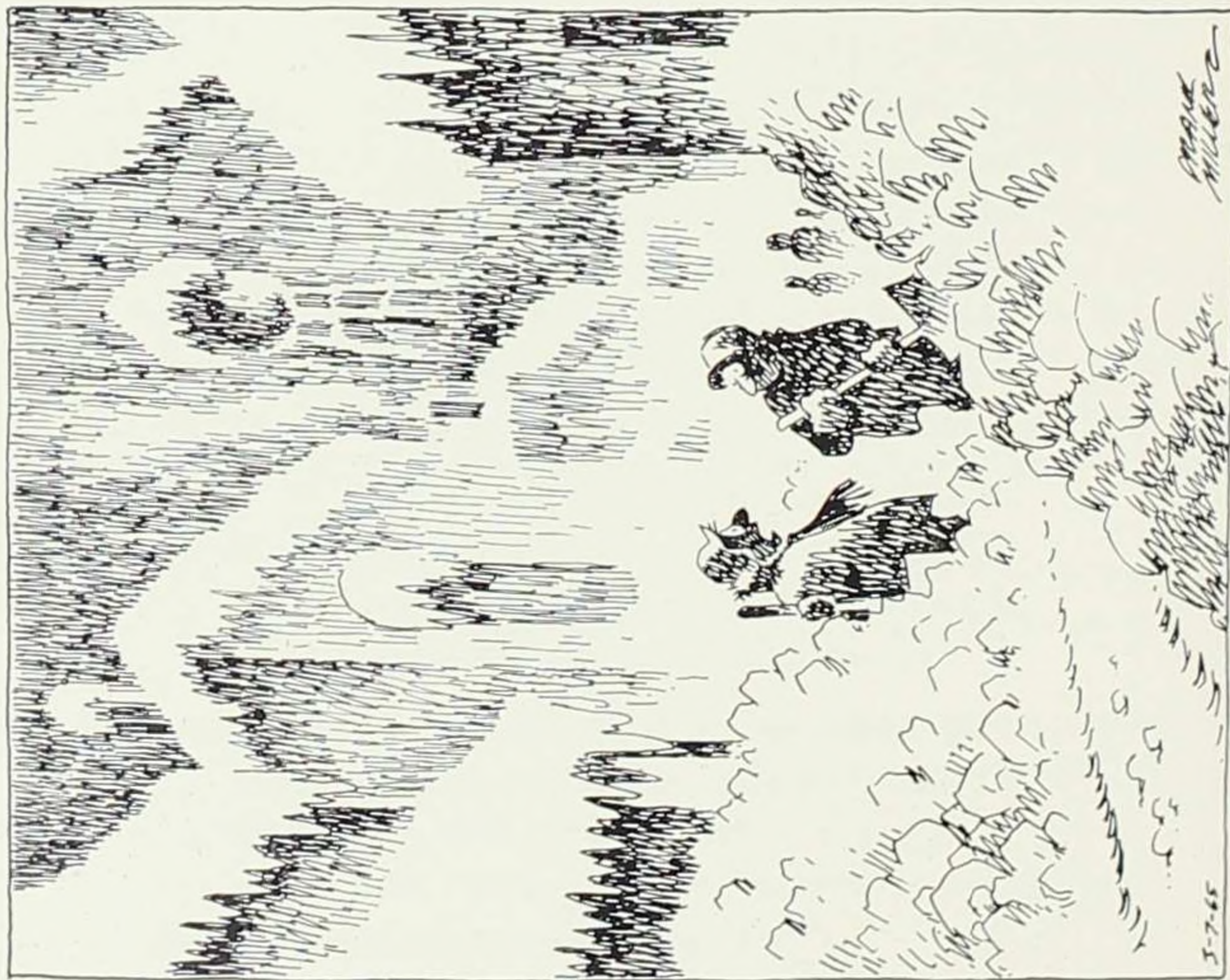
*Whenever a snowflake leaves the sky,
It turns and turns to say "Good-by!
Good-by, dear clouds, so cool and gray!"
Then lightly travels on its way.*

*And when a snowflake finds a tree,
"Good-day!" it says — "Good-day to thee!
Thou art so bare and lonely, dear,
I'll rest and call my comrades here."*

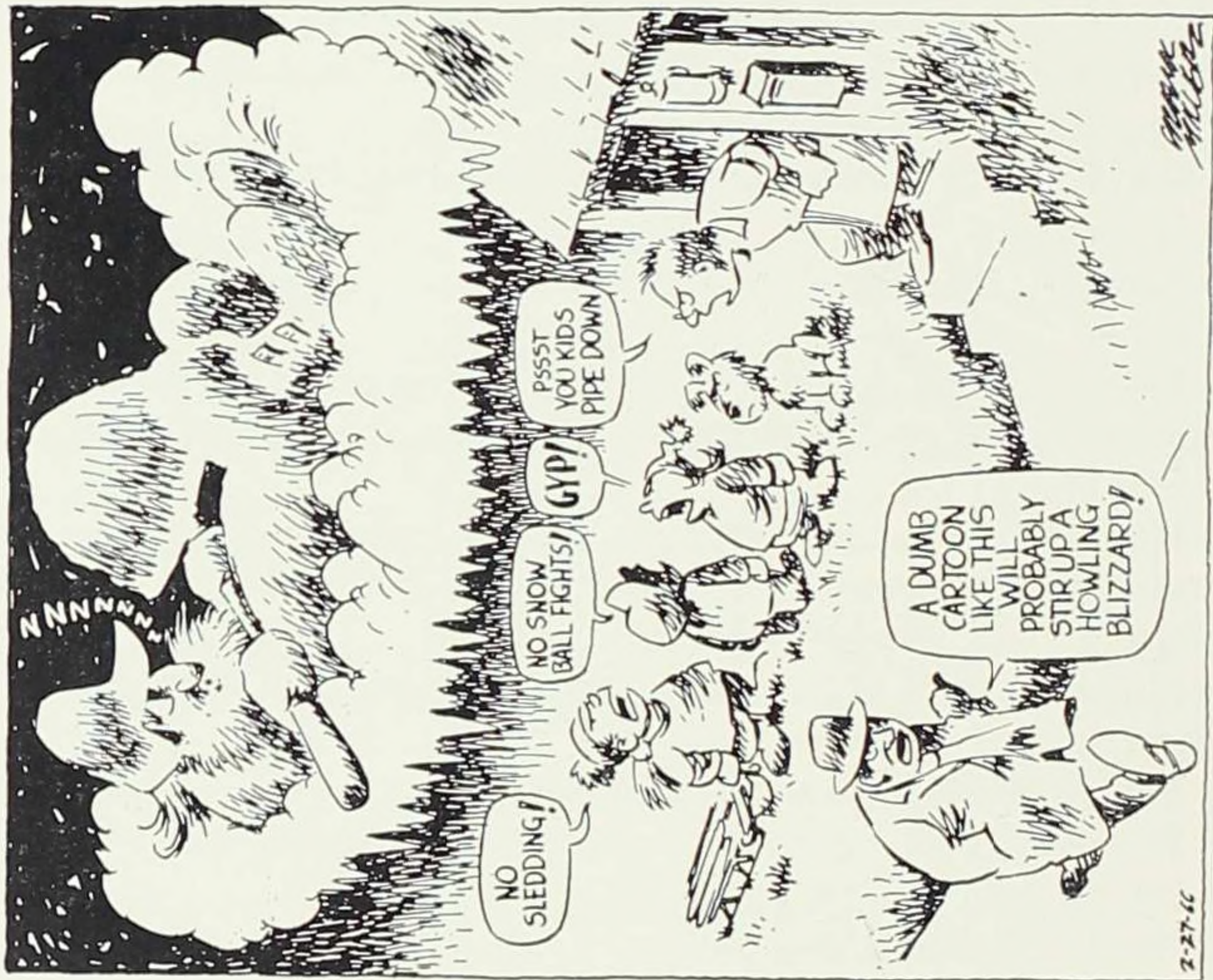
*But when a snowflake, brave and meek,
Lights on a rosy maiden's cheek,
It starts — "How warm and soft the day!
'Tis summer!" — and it melts away.*

—MARY MAPES DODGE

'ON TOP OF THIS, WE HAVE THE GIRLS' BASKETBALL TOURNAMENT BLIZZARD COMING UP THIS WEEK!'



VERY LITTLE SNOW IN IOWA THIS WINTER



APRIL 1969



SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

THE REGISTER'S IOWA CALENDAR

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APRIL—1838

Weather Calendar

Tuesday, April 3. Sauk and Fox warriors were reported to be assembling, "dressed out in all their paraphernalia of warlike preparation" to make "a belligerent excursion into the country of the Sioux."

Tuesday, April 10. A "slight fall of snow" caused some injury to vegetation. The *Burlington*, Captain Joseph Throckmorton commanding, stopped at Fort Madison on her first trip up the river.

Friday, April 13. The river was "in a fine stage for navigation."

Monday, April 23. Considerable damage was done to streets and gardens in Dubuque by a severe thunderstorm. "The rain poured down in torrents for the principal part of the night."

Saturday, April 28. At Burlington the river was higher than "the oldest residents" had ever seen it. Waves blown up by a strong wind at Fort Madison washed away seventy-five cords of wood belonging to Peter Miller.

APRIL

*Weary at heart with winter yesterday,
I sought the fields for something green to see,
Some budded turf or mossbank quietly
Uncovered in the sweet familiar way.
Crossing a pasture slope that sunward lay,
I suddenly surprised beneath a tree
A girlish creature who at sight of me
Sprang up all wild with daintiest dismay.
"Stay, pretty one!" I cried,—"who art thou, pray?"
Mid tears and freaks of pettish misery,
And sighing, "I am April," answered she;
"I rear the field flowers for my sister May."
Then with an arch laugh sidewise, clear and strong,
Turned blithely up the valley with a song.*

—O. C. AURINGER

APRIL HISTORICAL CALENDAR

April 1, 1840 A pitched battle known as "Bellevue War" fought in Jackson County.

April 6, 1839 The first municipal election in Davenport.

April 10, 1886 Iowa divided into eleven Congressional Districts.

April 14, 1809 American troops occupied Fort Madison.

April 14, 1856 First trains crossed Rock Island railroad bridge.

April 15, 1865 News of Lincoln's death reached Iowa.

April 16, 1861 News of outbreak of Civil War reached Iowa.

April 19, 1735 Joseph de Noyelles fought first battle between Indian and white man on Iowa soil at present site of Des Moines.

April 20, 1836 Territory of Wisconsin created.

April 21, 1856 Site of Capital at Des Moines selected.

April 27, 1838 Temperance society formed at Fort Madison.

April 29, 1862 Iowa troops began march on Corinth.

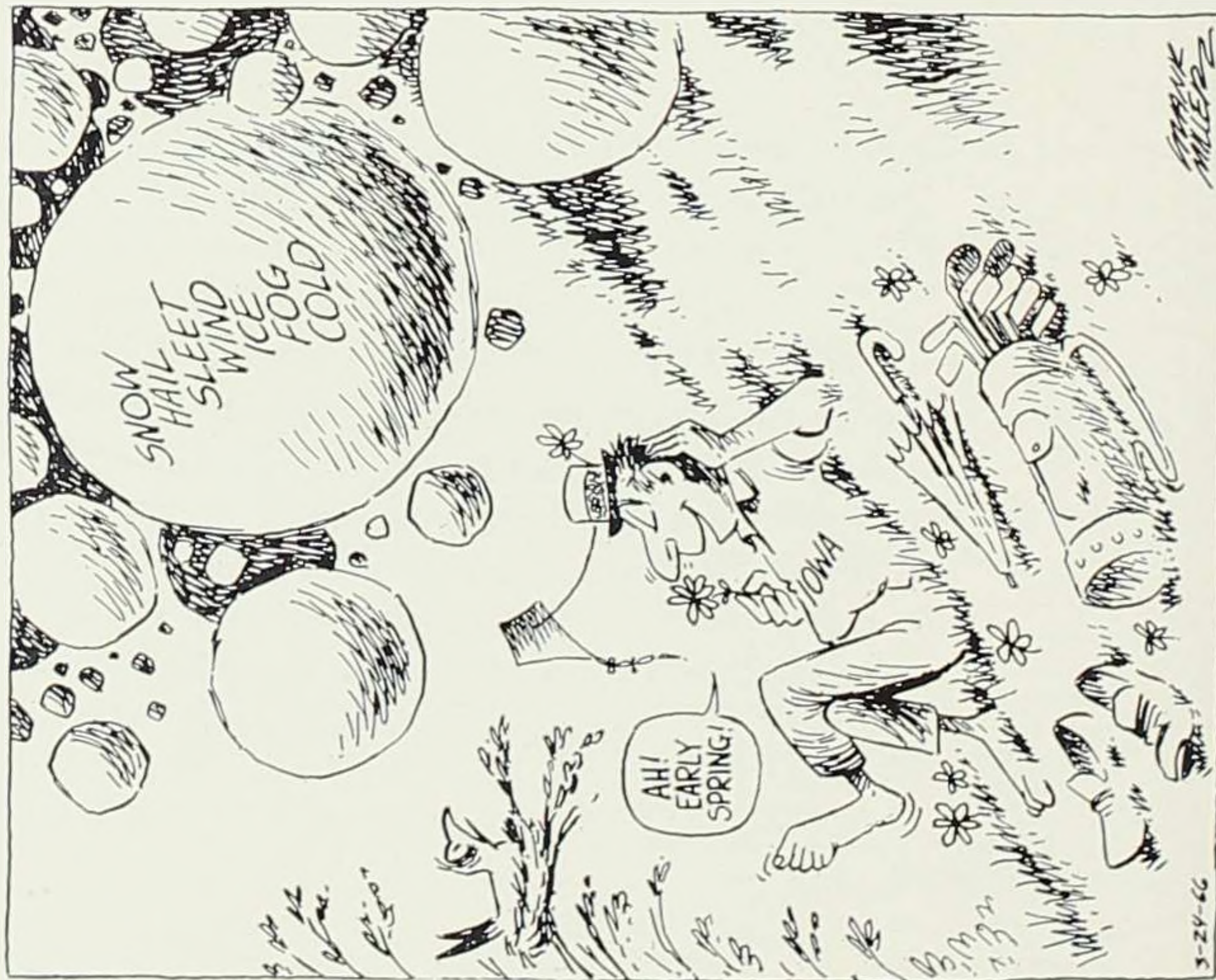
April 30, 1803 Louisiana Purchase Treaty signed.

BLOSSOM TIME

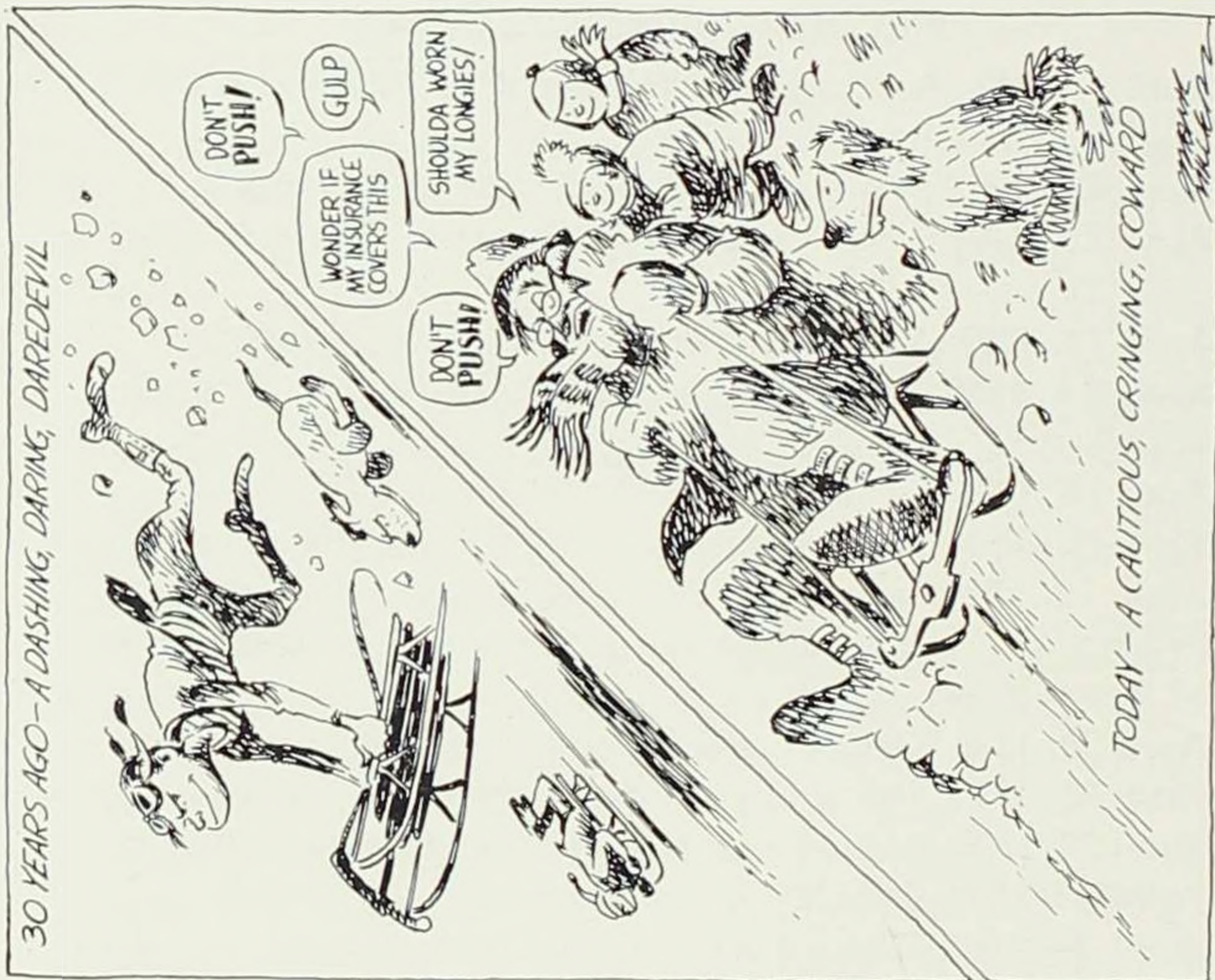
*Spring came with tiny lances thrusting,
And earth was clad in peeping green;
In russet bark, the twigs incrusting,
Tenderest blossom-points were seen;
A robin courier proclaimed good cheer:
Summer will soon arrive, for I am here.*

—WILBUR LARREMORE

POOR FELLA, DIDN'T HAVE A CHANCE



30 YEARS AGO - A DASHING, DARING, DAREDEVIL



MAY 1969



THE OLD ONE ROOM
SCHOOLHOUSE

GENESEO TOWNSHIP SCHOOL NO. 7
CERRO GORDO COUNTY

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

THE REGISTER'S IOWA CALENDAR

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FRANK MILLER

MAY—1838

Weather Calendar

Tuesday, May 1. The Dubuque county commissioners met at the courthouse. The fee for a tavern license to sell wines, beer, ale, and cider "by the drink, and in no larger quantities" was fixed at \$20. A grocery [saloon] license cost \$100.

Saturday, May 12. Signs of spring were not yet visible because the buds had been nipped by frost. Though the river was still high, few steamboats were running. Little freight was being shipped and rates were low. Money was scarce. Times were hard.

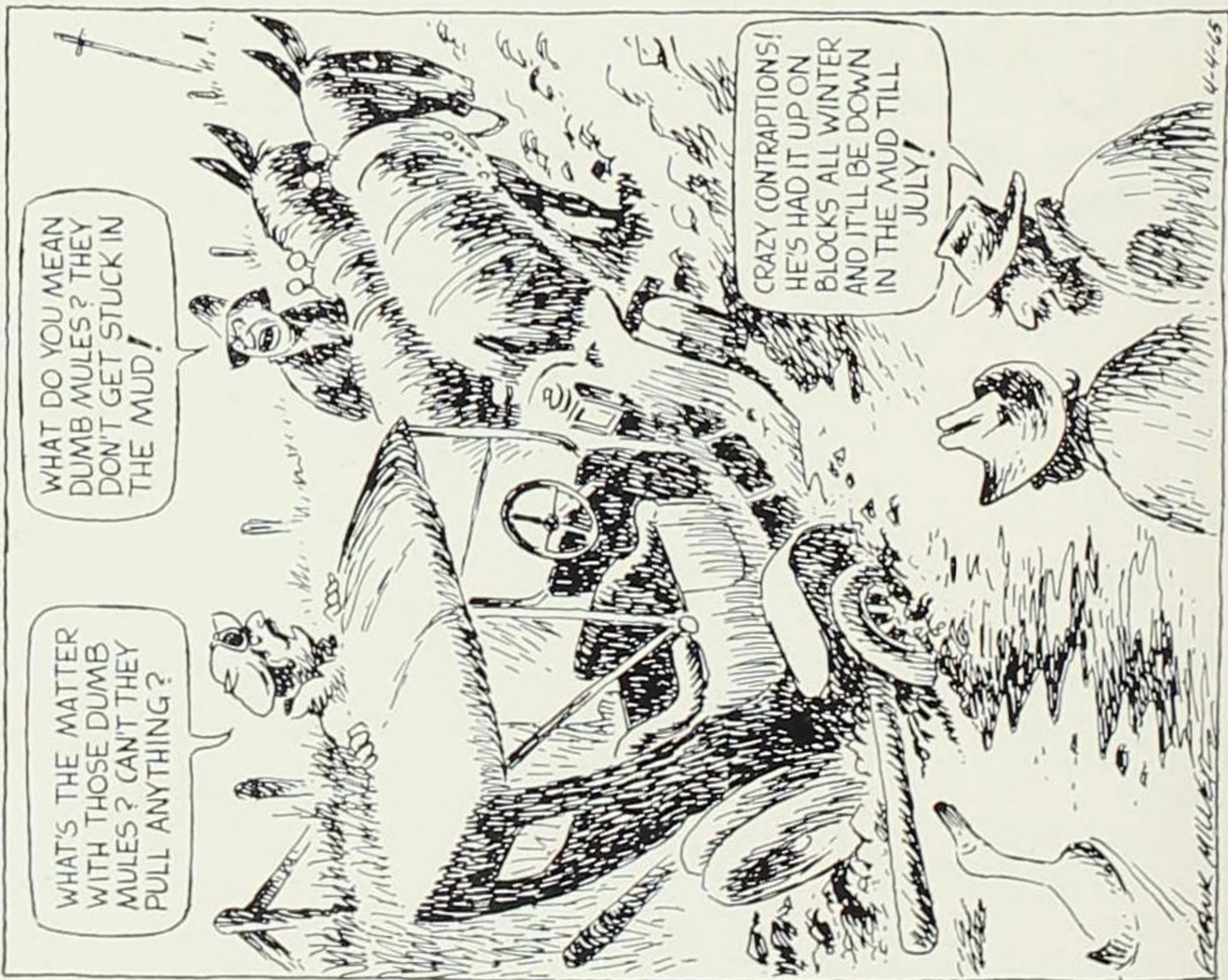
Sunday, May 26. The cold, unseasonable weather continued.

Thursday, May 31. A severe frost destroyed the corn and many garden vegetables. "Nearly 2,000 savages, in their finest rigs and carefully painted in all sorts of patterns" met Father Pierre De Smet when he landed from a Missouri River steamboat to establish a mission among the Pottawattamie Indians where Council Bluffs is now located.

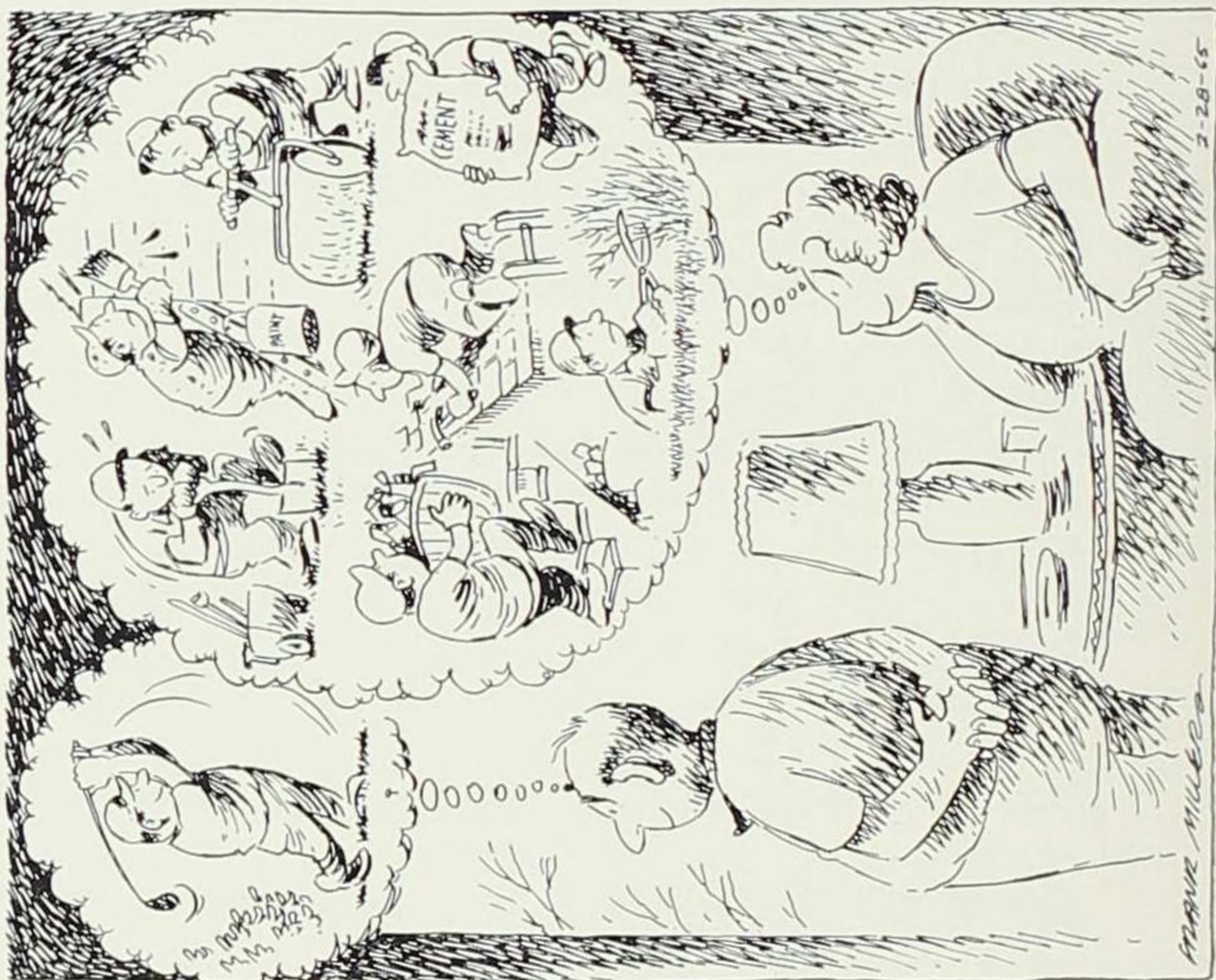
MAY HISTORICAL CALENDAR

- May 1, 1844** Census of Territory of Iowa.
- May 2, 1890** Forest City meteor.
- May 3** Average date of last killing frost.
- May 5, 1840** Joseph M. Street, Indian agent, died at Agency.
- May 6, 1856** Steamboat **Effie Afton** wrecked on Rock Island Bridge.
- May 10, 1896** Driving of golden spike at Promontory Point, Utah, completed the first transcontinental railroad.
- May 10, 1879** Date of Estherville meteor, largest iron-stone type ever seen to fall.
- May 11, 1836** First newspaper in Iowa, **Du Buque Visitor**, made initial appearance.
- May 14, 1804** Lewis and Clark set out up the Missouri River.
- May 17, 1899** Cornell May Music Festival presented first program.
- May 18, 1834** First Methodist Society organized in Iowa by Barton Randle at Dubuque.
- May 21, 1851** Cloudburst between Fort Dodge and Fort Des Moines and steady rains caused great flood of 1851 on the Des Moines.
- May 30, 1849** Last troops evacuated Fort Crawford.
- May 30, 1868** First celebration of Memorial Day in Iowa.
- May 30, 1880** Memorial Day became a legal holiday in Iowa.

BACK WHEN SPRING WAS REALLY MUDDY

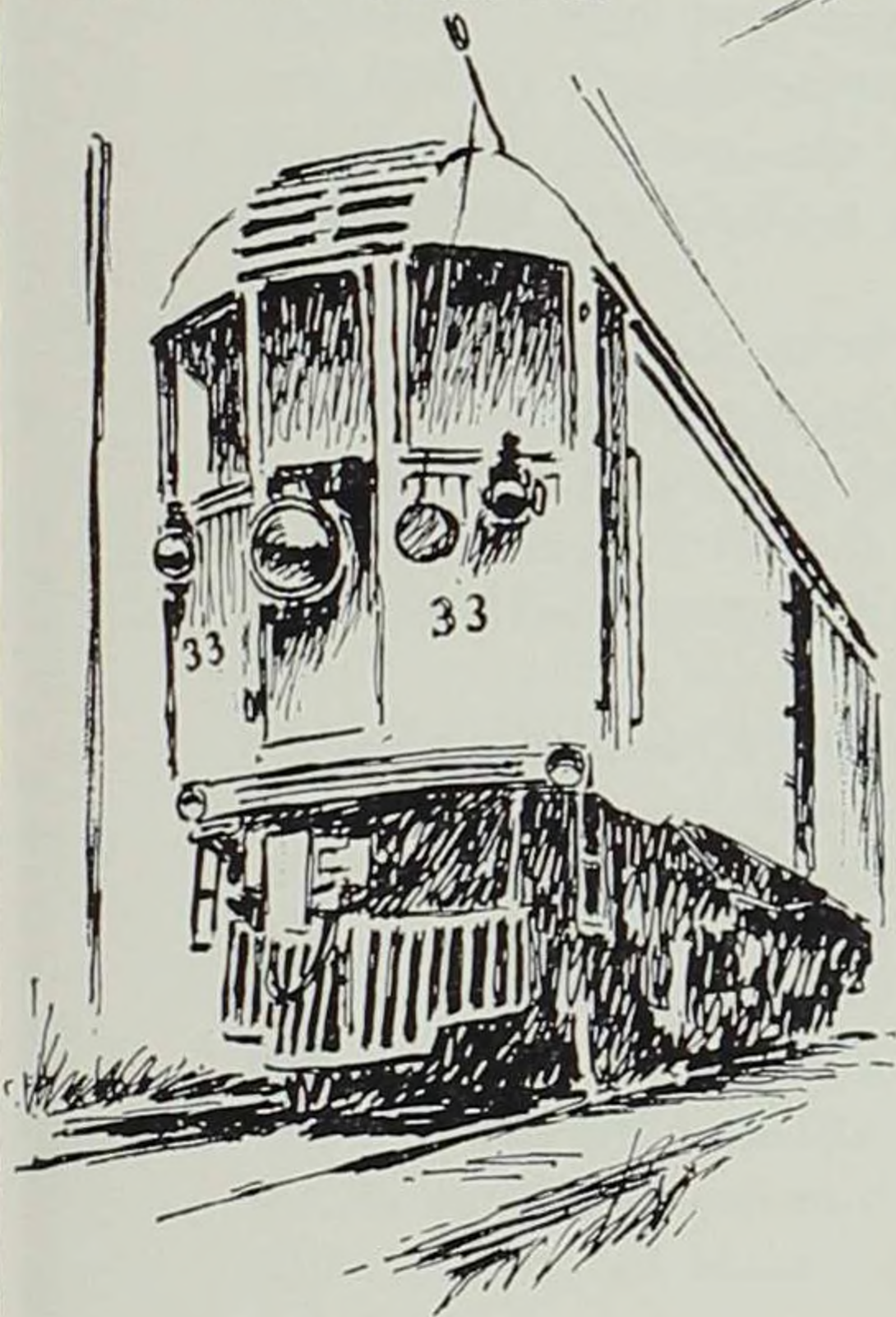


THIS TIME OF YEAR THOUGHTS TURN TOWARD
SPRING



JUNE 1969

SOME OLD CARS OF THE
IOWA TERMINAL RAILROAD
MASON CITY - CLEAR LAKE



A LINE CAR... NOW THE MAIN
OFFICE OF THE RAILROAD



A SWEEPER CAR... USED TO
SWEEP THE STREETS OF MASON CITY

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

THE REGISTER'S IOWA CALENDAR

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JUNE—1838

Weather Calendar

Friday, June 1. The bill to create the Territory of Iowa was debated, amended, and passed by the United States Senate.

Friday, June 8. Though it was still cold in southern Iowa, "refreshing showers" broke the drought in Dubuque.

Thursday, June 14. Frequent showers and a warm sun calmed the fears and excited the hopes of the "industrious husbandmen."

Friday, June 15. Secretary W. B. Slaughter submitted the census returns to the legislature. Citizens of Fort Madison met at the Madison Hotel to plan a celebration of Independence Day. A flock of wild pigeons lighted in Dubuque on the building occupied by the pre-emption commission.

Tuesday, June 19. A flatboat, heavily loaded with stone and lime, sank when it was struck by a squall while crossing the river between Appanoose and Fort Madison. Two of the crew swam ashore but the third, Samuel Oliver, was drowned.

Wednesday, June 27. A bad storm did "considerable damage to the standing grain" in southern Iowa. Some of the hailstones that fell at Montrose were "*ten inches in circumference,*" and very few "could be got in a *common sized tumbler!*"

Saturday, June 30. In spite of the late spring, crops looked better than in any season since the country was settled.

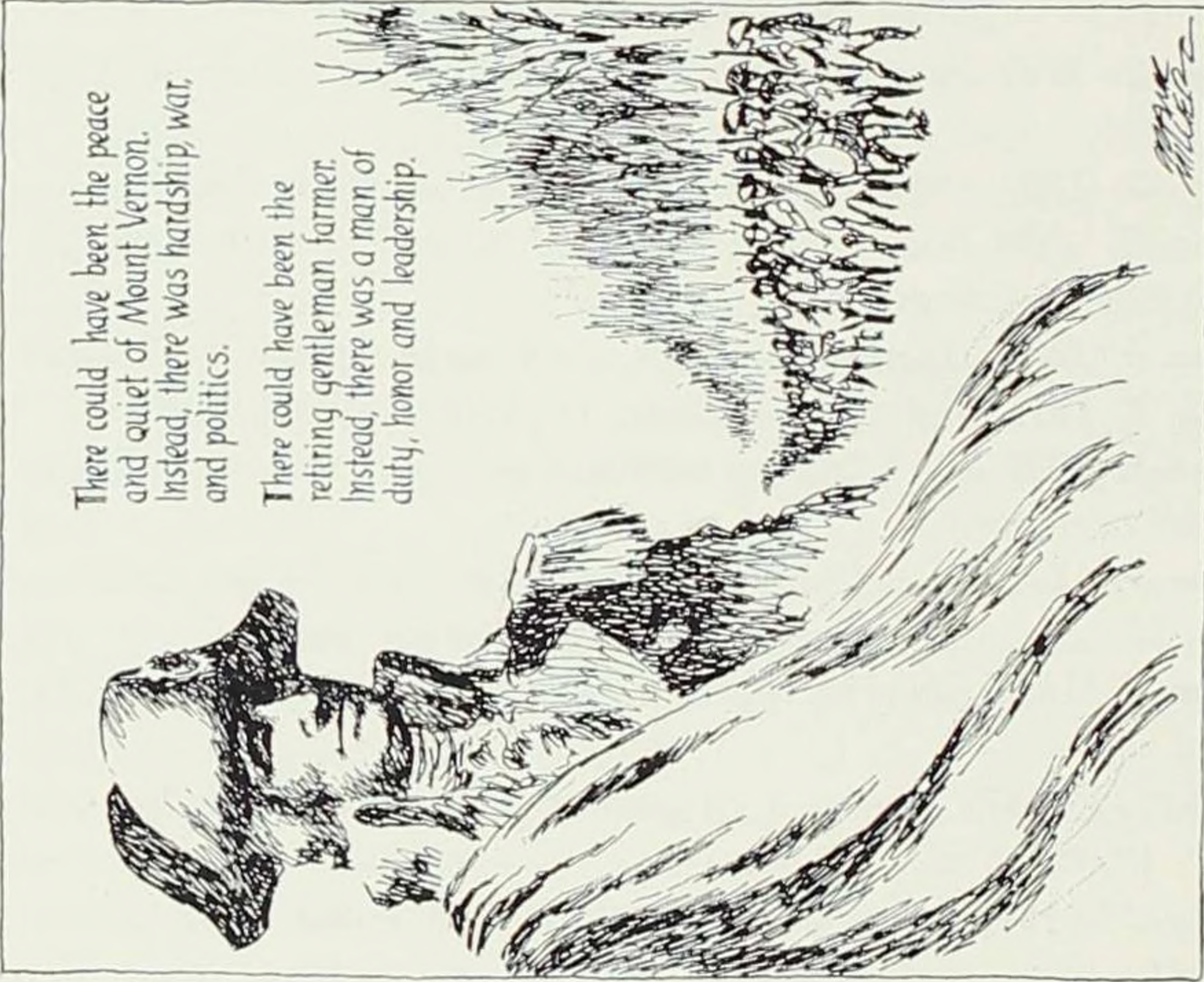
JUNE HISTORICAL CALENDAR

- June 1, 1833** Beginning of permanent white settlement in Iowa.
- June 2, 1853** United States troops vacated Fort Dodge.
- June 3, 1860** Many lives lost and property damaged by Camanche Tornado.
- June 5, 1884** The Rainsbarger brothers lynched at Eldora.
- June 5, 1917** Iowans registered for World War I draft.
- June 6, 1944** Iowa troops participated in invasion of European continent.
- June 7, 1835** U. S. Dragoons under Stephen Watts Kearny set out on 1100-mile tour up Des Moines Valley.
- June 9, 1856** First Mormon handcart expedition left Iowa City.
- June 13, 1873** Swarms of grasshoppers reached Emmet and Pocahontas counties.
- June 17, 1673** Joliet and Marquette first white men to see Iowa.
- June 17, 1830** The "Miner's Compact" signed at Dubuque.
- June 17, 1882** The Grinnell Cyclone.
- June 20, 1834** Execution of Patrick O'Connor at Dubuque.
- June 20, 1841** Steamboat **Ripple** arrived at Iowa City.
- June 25, 1673** Joliet and Marquette first white men to set foot on Iowa soil.

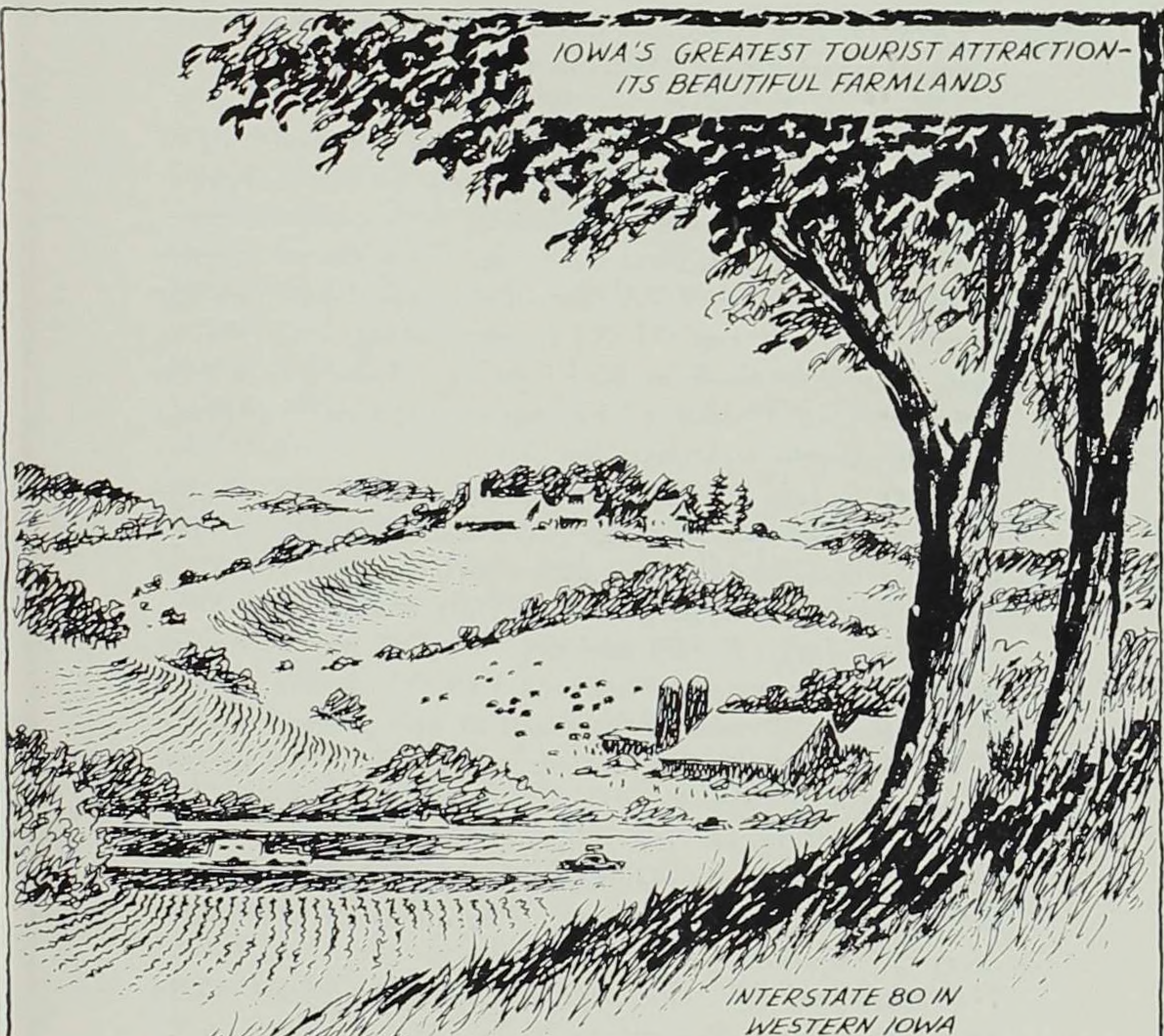
OUR "DISADVANTAGED" PIONEERS—HOW DID THEY
DO IT?



GEORGE WASHINGTON



JULY 1969



IOWA'S GREATEST TOURIST ATTRACTION-
ITS BEAUTIFUL FARMLANDS

INTERSTATE 80 IN
WESTERN IOWA

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FRANK MILLER

THE REGISTER'S IOWA CALENDAR

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JULY—1838

Weather Calendar

Tuesday, July 3. A raft containing 100,000 feet of pine plank arrived at Fort Madison from the Chippewa country.

Wednesday, July 4. The birthday of the Territory of Iowa and the sixty-second anniversary of the independence of the nation were celebrated with patriotic ceremonies. At Fort Madison old Chief Black Hawk participated in the festivities. "A few winters ago I was fighting against you," he said. "I did wrong, perhaps, but that is past—it is buried—let it be forgotten." Temperance prevailed. Even in Dubuque "the immoral practice of drinking spirits to excess was unknown."

Tuesday, July 10. Since the game of nine pins "is productive of great waste of time, and leads to habits of idleness and dissipation, and is attended with great noise and disturbance" it was prohibited in Fort Madison.

Sunday, July 15. Hot and dry. Yet "all kinds of grain and vegetables have grown very well this season, and in much greater abundance than that of any previous one."

Thursday, July 19. The river was rising at the rate of a foot a day at Dubuque.

Tuesday, July 24. Rattlesnakes were plentiful.

Thursday, July 26. During a "severe thunderstorm" a stable in Dubuque was struck by lightning but the horses were not injured.

Friday, July 27. The river at Burlington rose "nearly four feet within a day or two."

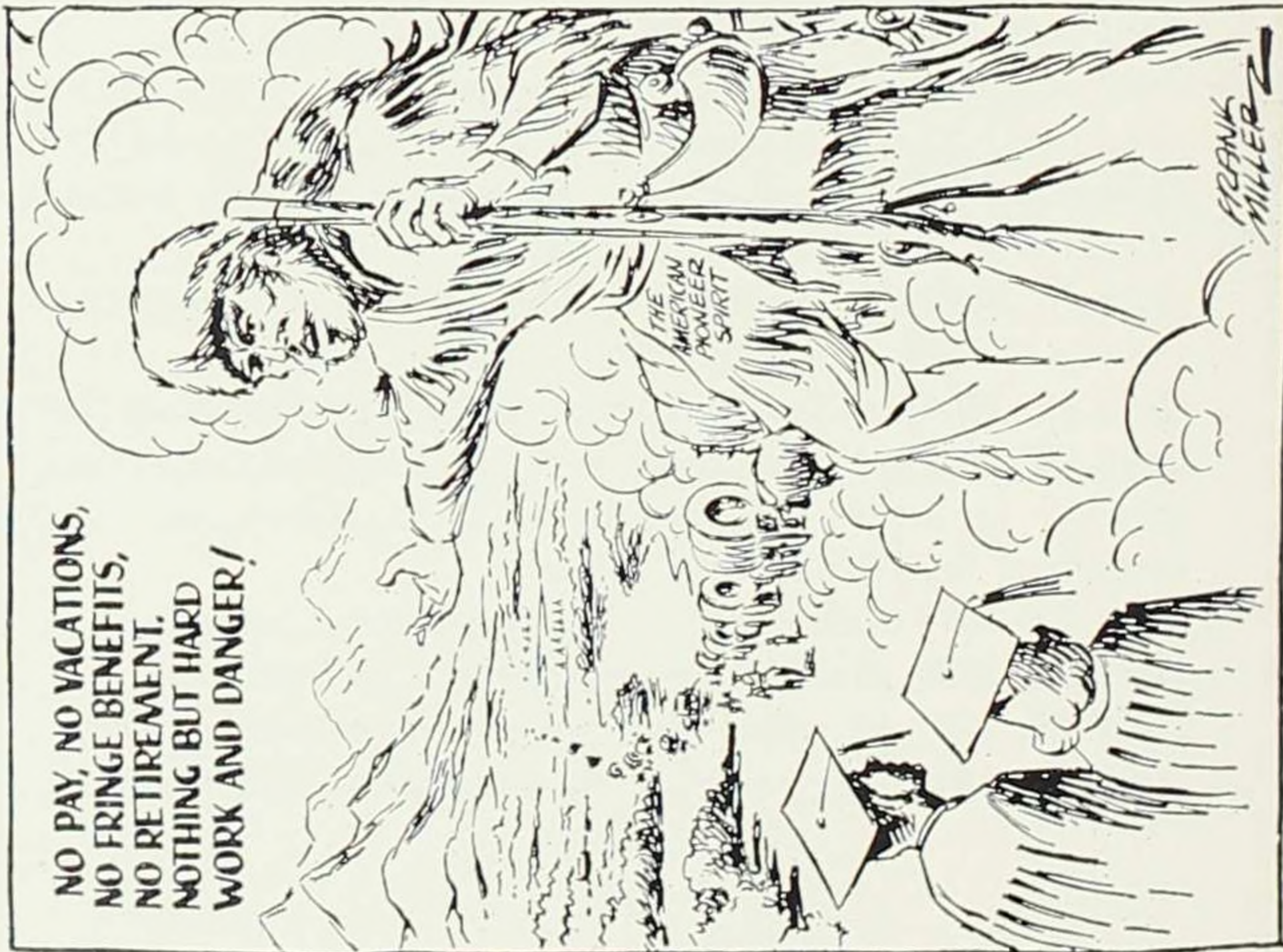
Saturday, July 28. At Dubuque the river, which had been ten feet above low water mark, highest for many years, began to recede.

JULY HISTORICAL CALENDAR

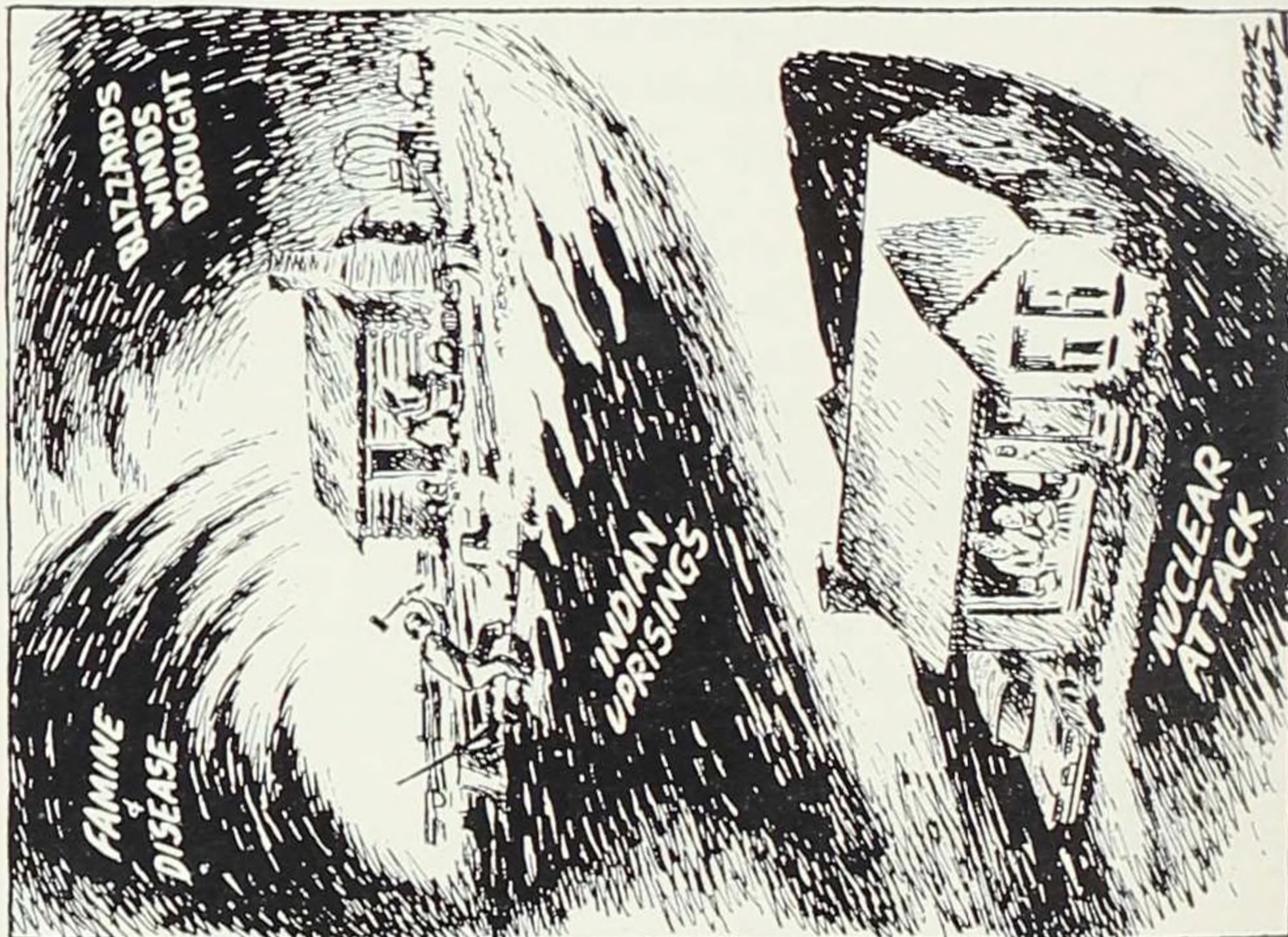
- July 1, 1839** Surveyors began survey of Iowa City.
- July 1, 1851** First real Code of Iowa, **Code of 1851**, went into effect.
- July 3, 1858** Second earthquake known to have occurred in Iowa, recorded in Sioux City.
- July 4, 1828** Galena excursionists raised American flag in Independence Day celebration at Dubuque's grave at mouth of Catfish Creek.
- July 4, 1838** Chief Black Hawk participated in Independence Day celebration at Fort Madison.
- July 4, 1840** Cornerstone of Stone Capitol laid at Iowa City.
- July 4, 1862** First Fourth of July celebration after the General Assembly made that day a legal holiday by a law approved on April 7, 1862.
- July 4, 1863** Iowa troops in capture of Vicksburg.
- July 5, 1876** Thirty-nine lives lost in the Rockdale flood.
- July 6, 1881** Kate Shelley saved midnight flyer of the Chicago & North Western from destruction.
- July 6, 1893** The Pomeroy Cyclone.
- July 10, 1838** The game of nine-pins was prohibited at Fort Madison because it was "attended by a great noise" and was productive of "idleness and dissipation."
- July 15, 1830** Neutral Ground created by treaty between the Sauk and Fox and the Sioux Indians at Prairie du Chien.
- July 15, 1856** Iowa General Assembly granted Tama Indians permission to live in Iowa.
- July 16, 1849** Abbot Bruno laid foundation of Trappist monastery at New Melleray near Dubuque.
- July 18, 1804** Lewis and Clark reached southwestern Iowa.
- July 20, 1934** A temperature of 118°, the highest ever recorded in Iowa, was registered in a sub-station at the mouth of the Des Moines River.
- July 21, 1873** Adair train robbery by Jesse James.
- July 22, 1839** Abner Kneeland arrived at Salubria.
- July 28, 1902** Western Iowa recorded an earthquake.
- July 29, 1869** Race riot on the steamboat **Dubuque**.

HOW MANY OF TODAY'S GRADUATES WOULD
HAVE TAKEN THIS JOB?

NO PAY, NO VACATIONS,
NO FRINGE BENEFITS,
NO RETIREMENT,
NOTHING BUT HARD
WORK AND DANGER!



REMEMBER—WE AREN'T THE ONLY AMERICANS
WHO HAVE LIVED IN A SHADOW



AUGUST 1969

THE OLD FEDERAL BUILDING—
DES MOINES



SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24 31	25	26	27	28	29	30

MARK MILLER

THE REGISTER'S IOWA CALENDAR

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AUGUST—1838

Weather Calendar

Sunday, August 5. The Methodists of Burlington were pleased to see the progress being made on their new brick church.

Tuesday, August 7. Benjamin F. Wallace made a short speech in Burlington. Mrs. Catharine M. Bronson, aged twenty-three and distinguished for her amiable disposition and "reverence for the principles and duties of revealed religion," died at the home of her father, William Janes, in Burlington.

Thursday, August 9. A deputation from the Mississippi Emigration Company in Upper Canada was reported to be "now in our country" seeking a location for a colony in the vicinity of Rock Island. Rainy weather was spoiling grain in the shock.

Thursday, August 16. Settlers formed an association at Rock Springs to protect their claims against speculators at the land sale. The opening of the Burlington land office was delayed because the plats had not been received.

Saturday, August 18. The Mississippi was falling rapidly.

Sunday, August 19. The Iowa Temperance Society met at the Methodist Church in Dubuque.

Tuesday, August 28. The Mississippi was falling about a foot a day.

Friday, August 31. Samuel Bronson, aged thirty, survived his wife, Catharine, less than a month.

AUGUST HISTORICAL CALENDAR

August 1, 1832 Steamboat **Warrior** repulsed Black Hawk at Bad Axe.

August 2, 1832 Sauk and Fox under Black Hawk crushed in Battle of the Bad Axe.

August 3, 1846 People of Iowa adopted Constitution of 1846.

August 3, 1857 People of Iowa adopted Constitution of 1857.

August 4, 1825 Great Indian Council began at Prairie du Chien.

August 8, 1846 Land Office at Iowa City authorized.

August 10, 1861 Iowa troops fought fierce battle at Wilson's Creek, Missouri.

August 15, 1835 Cornerstone of first Catholic church in Iowa laid at Dubuque.

August 17, 1878 Court decree dissolved Icarian community in Adams County.

August 19, 1825 The Neutral Line was established between the Sioux and the Sauk and Fox at Great Council at Prairie du Chien.

August 20, 1804 Sergeant Charles Floyd died near site of Sioux City, the first white man known to have died on Iowa soil.

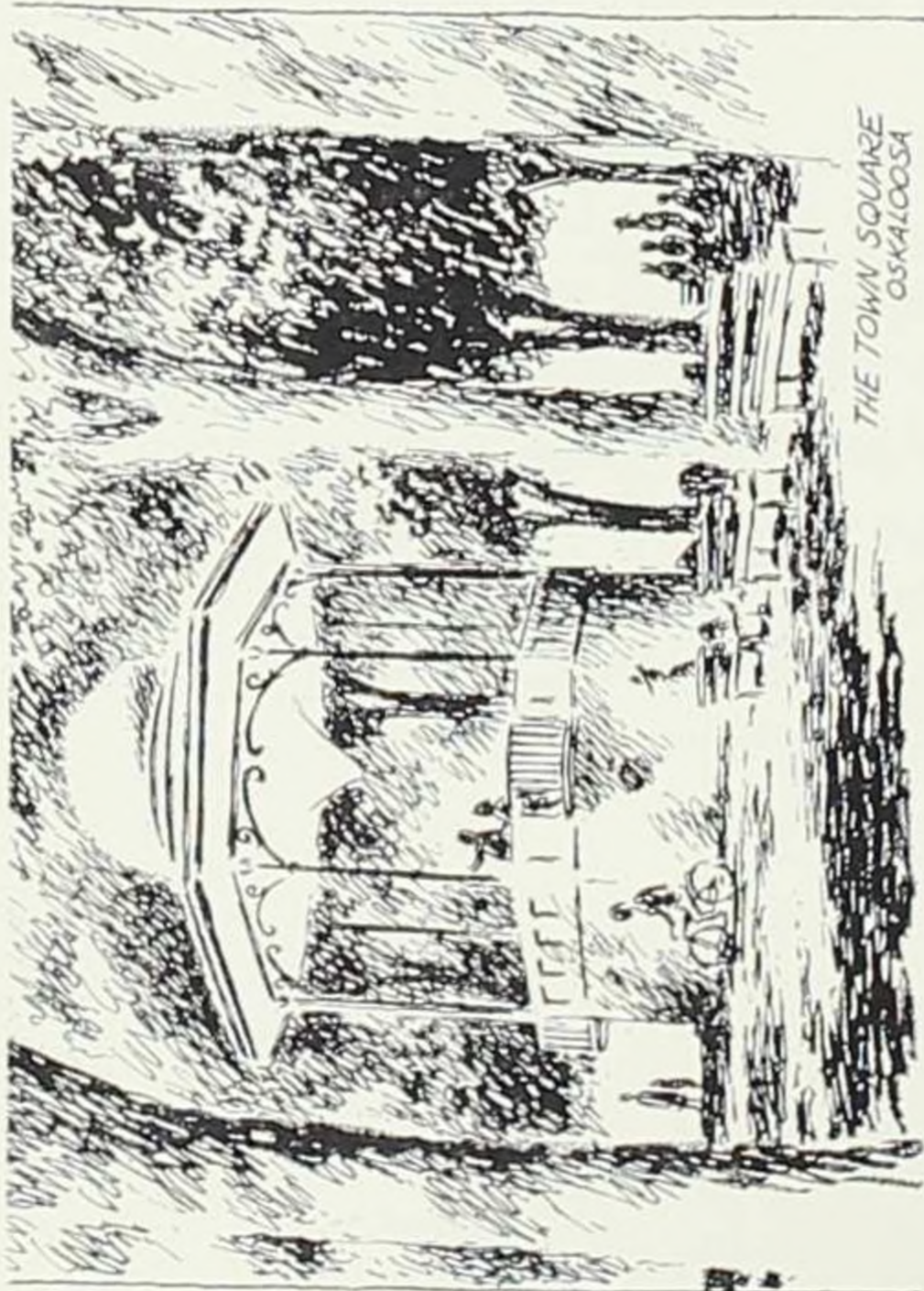
August 20, 1805 Zebulon M. Pike reached present site of Keokuk.

August 21, 1890 The Blue Grass Palace opened at Creston.

August 26, 1890 Ten thousand spectators jammed Rush Park race track at Independence on opening day.

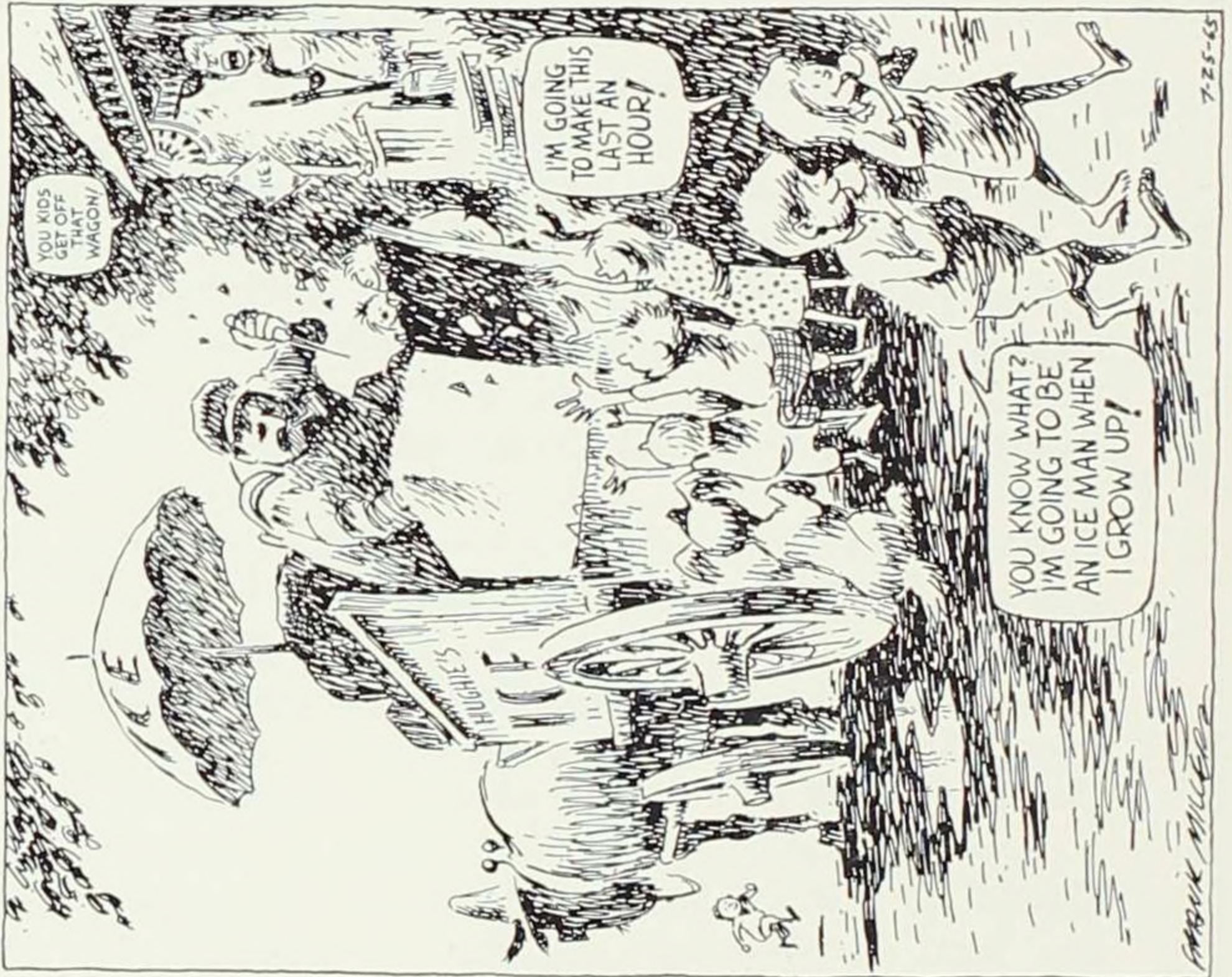
August 27, 1805 Zebulon M. Pike encamped on west bank of the Mississippi opposite Rock Island.

August 31, 1886 Several towns in eastern Iowa "distinctly felt" Charleston, South Carolina, earthquake.



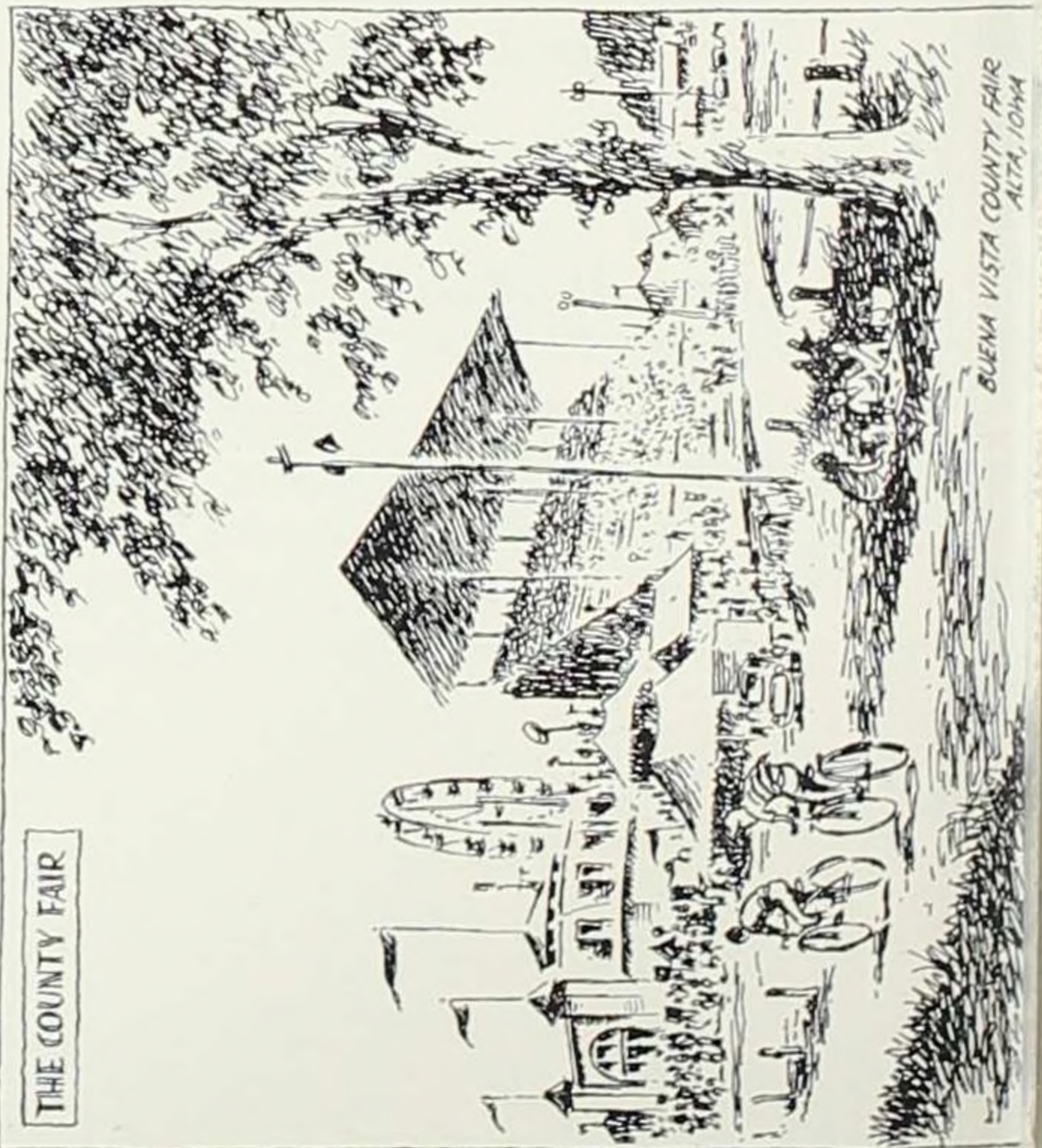
THE TOWN SQUARE
OSKALOOSA

A BIG EVENT ON A HOT DAY A NUMBER OF YEARS AGO



7-25-65

FRANK MILLER

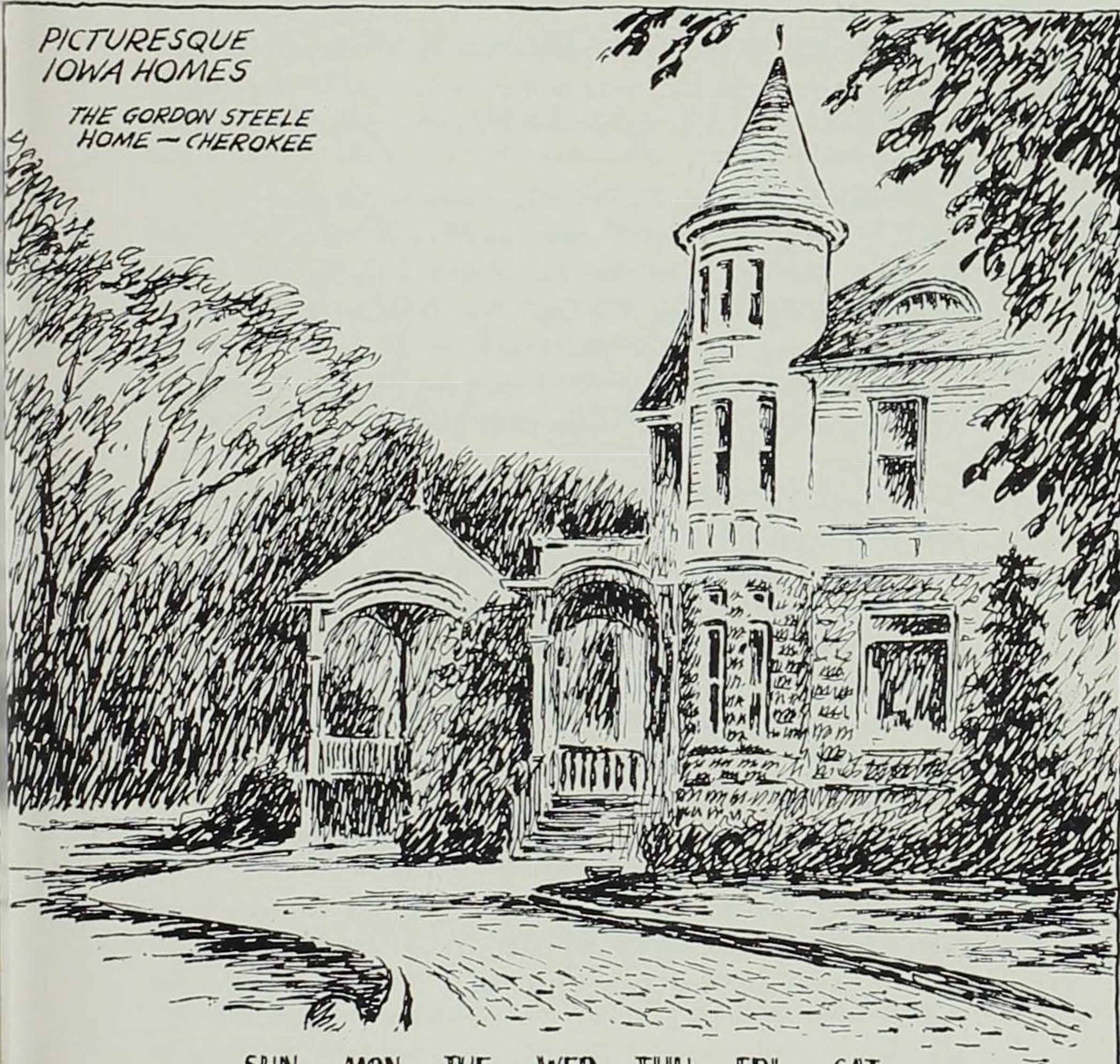


BUENA VISTA COUNTY FAIR
ALTA, IOWA

SEPTEMBER 1969

PICTURESQUE IOWA HOMES

THE GORDON STEELE
HOME — CHEROKEE



SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

FRANK
MILLER

THE REGISTER'S IOWA CALENDAR

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SEPTEMBER—1838

Weather Calendar

Monday, September 3. The Temperance Society of Dubuque met at the Methodist Church to discuss whether its object could be best attained by adhering to the pledge of total abstinence or by prohibiting the use of spirituous liquors.

Friday, September 7. With no news in the mail, no editorial written, the "devil" sick, and many election tickets to print, the editor of the *Iowa News* found the music from the circus distracting and the "bills of mosquitoes" more annoying than the landlord's.

Sunday, September 9. Settlers were busy studying the regulations for proving their land claims and adjusting boundaries.

Wednesday, September 12. The Dubuque fish market was well supplied with large pike.

Friday, September 14. Joseph M. Street at the new agency on the Des Moines River wrote to Governor Lucas that he could not keep liquor and unscrupulous traders away from the Sauk and Fox Indians.

Sunday, September 16. No steamboat had reached Burlington from below for a week due to low water. Two or three were stranded on the Des Moines Rapids.

Saturday, September 22. James Clarke proposed forming a "Historical Society of Iowa."

Tuesday, September 25. After a perilous trip of fourteen weeks "across an uninhabited country, without roads, and in small carts drawn by oxen," several "hardy and industrious" Scotch families from Selkirk's colony on the Red River settled on the Big Maquoketa in Jones County.

Saturday, September 29. Editor Logan warned his readers that the "people have much more to fear from the encroachments of congressional acts than they have from any other source" and might "shortly expect to see our state rights sink before the powerful arm of a central or consolidated government."

Sunday, September 30. Corn was ripe.

SEPTEMBER HISTORICAL CALENDAR

September 1, 1805 Zebulon M. Pike arrived at Dubuque's Mines.

September 3, 1813 Fort Madison abandoned and burned by U. S. troops.

September 3, 1857 The Constitution of 1857 went into effect.

September 6, 1834 The first counties in Iowa, Dubuque and Des Moines, were created by the Territory of Michigan.

September 10, 1805 Zebulon M. Pike held conference with Chief Wabasha at mouth of Upper Iowa River.

September 11, 1844 U. S. Dragoons encountered first frost of season on Big Sioux above Sioux Falls.

September 16, 1890 Opening of the Ottumwa Coal Palace. University of the Northwest, later Morningside, opened classes.

September 17, 1847 Last Mormons evacuated Nauvoo.

September 18, 1839 David Dale Owen set out on survey of lead mining region in Iowa.

September 21, 1832 The Black Hawk Treaty or Scott's Purchase, which had been negotiated in Iowa, was signed at Fort Armstrong on Rock Island.

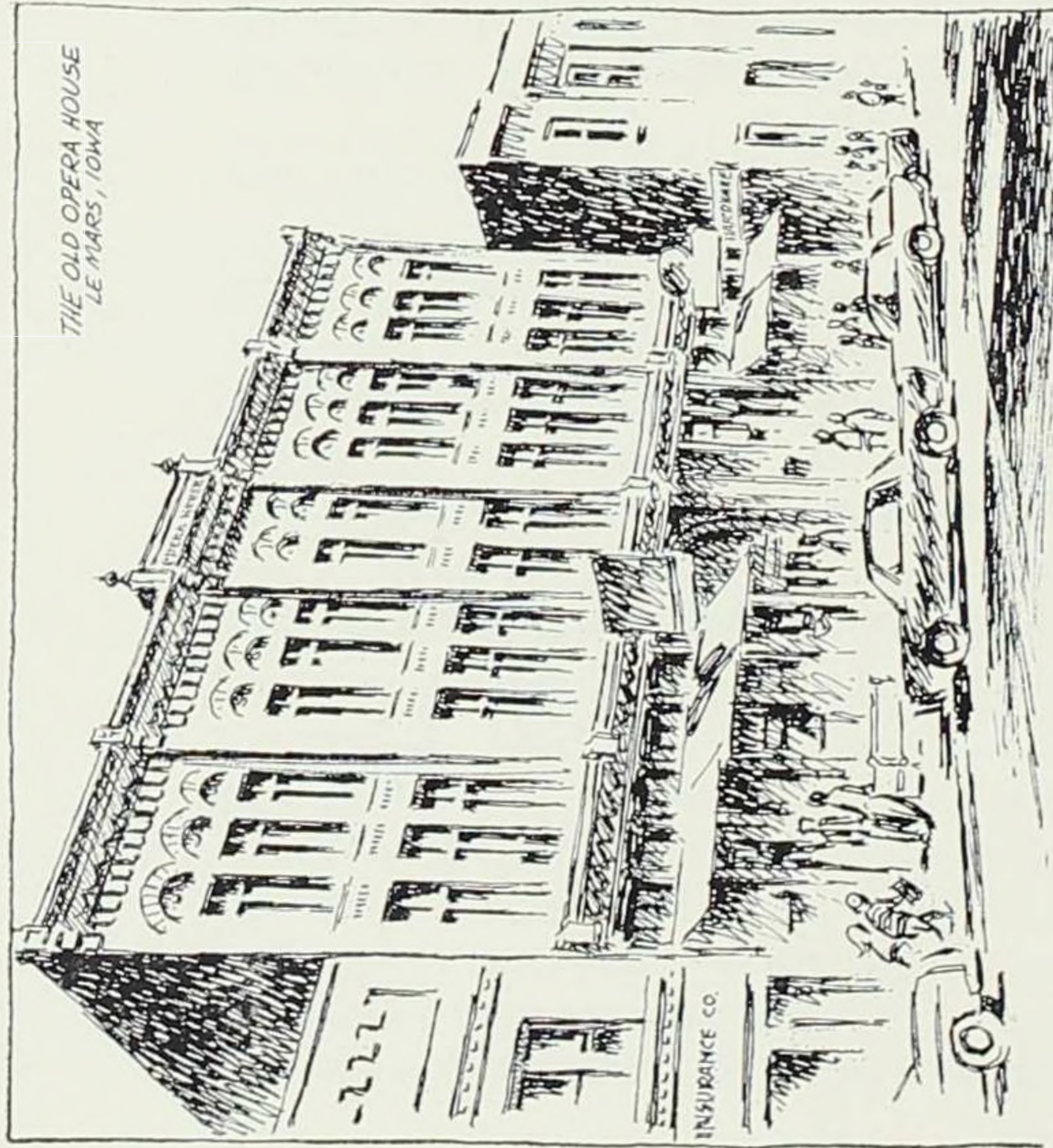
September 23, 1806 Lewis and Clark returned to St. Louis from expedition.

September 26, 1891 Earthquake felt throughout eastern Iowa.

September 27, 1909 Earthquake recorded in southwestern Iowa.

September 28, 1882 **Oskaloosa Herald** announced appearance of comet of 1882.

September 29, 1875 President Grant delivered his famous Des Moines speech.



INDIAN SUMMER

No more the battle or the chase

The phantom tribes pursue,

But each in its accustomed place

The Autumn hails anew:

And still from solemn councils set

On every hill and plain,

The smoke of many a calumet

Ascends to heaven again.

—JOHN BANISTER TABB

THE LAST LEAF

I saw him once before,

As he passed by the door,

And again

The pavement stones resound,

As he totters o'er the ground

With his cane.

But now his nose is thin,

And it rests upon his chin

Like a staff

And a crook is in his back,

And a melancholy crack

In his laugh.

I know it is a sin

For me to sit and grin

At him here;

But the old three-cornered hat,

And the breeches, and all that,

Are so queer!

—OLIVER WENDELL HOLMES

OCTOBER 1969

THE OLD ONE-ROOM SCHOOLHOUSE
TAMA COUNTY



SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FRANK MILLER

THE REGISTER'S IOWA CALENDAR

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OCTOBER—1838

Weather Calendar

Monday, October 1. The Burlington land office opened; John H. Murphy was the first to buy the land he had pre-empted.

Tuesday, October 2. Robert E. Lee was making rapid progress in blasting reefs to deepen the channel over the Des Moines Rapids.

Wednesday, October 3. Chief Black Hawk died of "a violent billious attack" in his lodge on the Des Moines River near the Agency.

Tuesday, October 9. Work on the Des Moines Rapids was practically suspended because laborers refused to go into the cold water, "even for \$3 a day."

Friday, October 12. From Bellevue and the mines "several sporting fellows" went to hunt elk and buffalo at the head of the Maquoketa and Turkey rivers.

Saturday, October 13. The weather was delightfully clear and balmy, though on account of having no rain "worth talking about" for two months the Mississippi was very low, small streams were dry, the soil was parched, and dust was "something less than ten cubic feet deep" in Burlington.

Monday, October 15. Citizens of Dubuque were respectfully invited to attend a lecture on temperance. Anxious to make Burlington the "most eligible point for the seat of Government," the *Gazette* urged that the deep gullies in the streets be filled up so that strangers would not break their necks at night in the dark of the moon.

Wednesday, October 17. Frosty weather had done wonders to improve health. Soon, ague patients predicted, the doctors would have nothing to do. Completion of the Methodist Church in time for the legislature seemed doubtful.

Monday, October 22. The weather was "squally" with a prospect for rain.

Saturday, October 27. The Burlington *Gazette* was a "dull paper indeed" because the editor had received few exchanges, partly due to poor mail service.

OCTOBER HISTORICAL CALENDAR

October 1, 1875 Sixty weather stations in Iowa began making regular reports to Professor Gustavus Hinrichs of the State University of Iowa.

October 3, 1838 Death of Black Hawk.

October 3, 1887 First Corn Palace Exposition opened at Sioux City.

October 5, 1891 "World Series" baseball game opened at Sioux City between Sioux City Huskers and Chicago Colts.

October 7, 1844 First State Constitutional Convention convened in Iowa City.

October 9, 1872 Earthquake recorded at Sioux City.

October 10, 1910 First Dairy Cattle Congress opened at Waterloo.

October 11, 1842 Sauk and Fox signed treaty ceding central Iowa to the United States.

October 12, 1844 Governor John Chambers issued first official Thanksgiving Day proclamation in Iowa.

October 13, 1838 Lack of rain for two months made the Mississippi very low at Burlington.

October 19, 1838 Ioway Indians gave up claim to territory in what is now Iowa.

October 20, 1839 David Dale Owen completed survey of lead mining area in Iowa.

October 20, 1870 Earthquake recorded at Dubuque.

October 21, 1837 Second Black Hawk Purchase consummated.

October 25, 1854 First annual Iowa State Fair began at Fairfield.

October 31, 1895 Keokuk felt "hardest shock" since New Madrid earthquake.

THE DEATH OF THE FLOWERS

*The melancholy days are come, the saddest of the year,
Of wailing winds, and naked woods, and meadows brown and sere.
Heaped in the hollows of the grove, the autumn leaves lie dead;
They rustle to the eddying gust, and to the rabbit's tread.
The robin and the wren are flown, and from the shrubs the jay,
And from the wood-top calls the crow through all the gloomy day.*

—WILLIAM CULLEN BRYANT

THE FIRST SNOW-FALL

The snow had begun in the gloaming,
And busily all the night

Had been heaping field and highway
With a silence deep and white.

Every pine and fir and hemlock

Wore ermine too dear for an earl,
And the poorest twig on the elm-tree
Was ridged inch deep with pearl.

From sheds new-roofed with Carrara

Came Chanticleer's muffled crow,
The stiff rails softened to swan's-down,
And still fluttered down the snow.

I stood and watched by the window

The noiseless work of the sky,
And the sudden flurries of snow-birds,
Like brown leaves whirling by.

I thought of a mound in sweet Auburn

Where a little headstone stood;
How the flakes were folding it gently,
As did robins the babes in the wood.

Up spoke our own little Mabel,

Saying, "Father, who makes it snow?"
And I told of the good All-father
Who cares for us here below.

Again I looked at the snow-fall,

And thought of the leaden sky
That arched o'er our first great sorrow,
When that mound was heaped so high.

I remembered the gradual patience

That fell from that cloud like snow,
Flake by flake, healing and hiding
The scar that renewed our woe.

And again to the child I whispered,

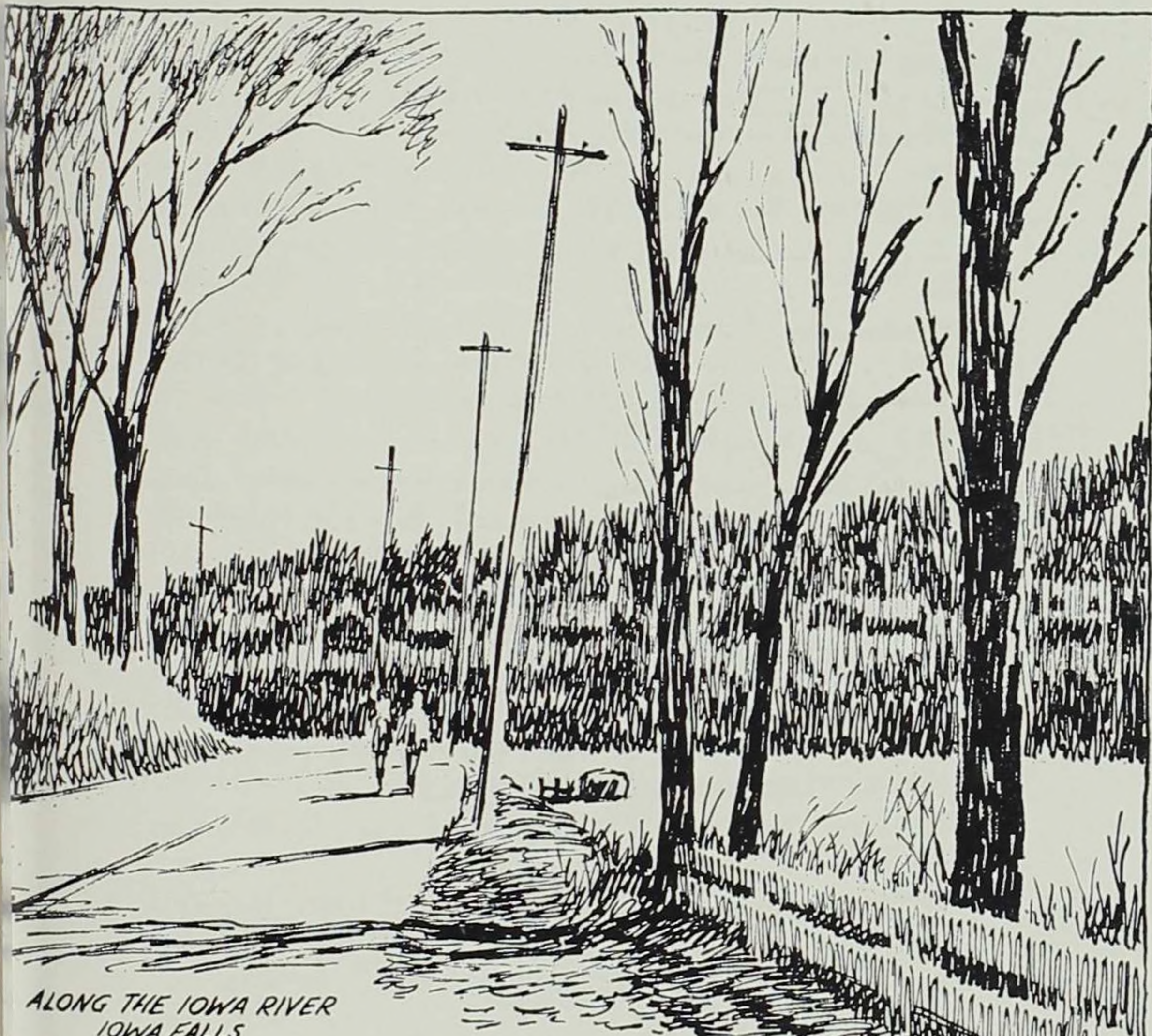
"The snow that husheth all,
Darling, the merciful Father
Alone can make it fall!"

Then, with eyes that saw not, I kissed her;

And she, kissing back, could not know
That my kiss was given to her sister,
Folded close under deepening snow.

—JAMES RUSSELL LOWELL

NOVEMBER 1969



ALONG THE IOWA RIVER
IOWA FALLS

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23 30	24	25	26	27	28	29

FRANK MILLER

THE REGISTER'S IOWA CALENDAR

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NOVEMBER—1838

Weather Calendar

Thursday, November 1. Cyrus S. Jacobs died of the wound inflicted by David Rorer. The *Gypsy*, passing Burlington on her way downstream, reported that the *Palmyra* had sunk on the upper rapids.

Monday, November 5. The first public land sale began at Dubuque. The town was crowded with settlers ready to buy "the places upon which they have expended their labor."

Wednesday, November 7. "Winter is upon us." The ground was covered with snow, five inches deep at Dubuque, and the weather turned "bitterly cold."

Thursday, November 8. Ice began to form in the river. Some of the Dubuque legislators abandoned their canoe at Lyons and went on by carriage. Proceeds from the Dubuque land sale at the end of the fourth day amounted to nearly \$30,000.

Sunday, November 11. The Reverend Mr. Reynolds preached in Burlington. Neighbors in Bellevue exclaimed over Kirkpatrick's cucumber—18" long, and 16" around.

Monday, November 12. The First Legislative Assembly met in the Methodist Church at Burlington.

Tuesday, November 13. The river was full of ice at Dubuque.

Wednesday, November 14. The mail from the east failed to reach Burlington, but from Van Buren County came a letter that had been four weeks on the way.

Thursday, November 22. Cash receipts from the land sale at Burlington were averaging over \$25,000 a day!

Sunday, November 25. Citizens in southern Iowa were wondering whether the Mormons, driven out of Missouri, would settle in Iowa.

Wednesday, November 28. The first session of the Territorial Supreme Court met in a Burlington home.

Thursday, November 29. Thanksgiving Day was not yet observed.

NOVEMBER HISTORICAL CALENDAR

November 1, 1840 First Federal census in the Territory of Iowa completed.

November 2, 1880 Amendment allowing Negro to hold office in the General Assembly was ratified at election.

November 3, 1868 First five amendments enfranchising the Negro were ratified at State election.

November 8, 1856 Etienne Cabet, French socialist and founder of Icaria, died at St. Louis.

November 10, 1796 Governor Carondelet granted Julien Dubuque permission to work his "Mines of Spain."

November 11, 1918 Iowa celebrated end of World War I.

November 14, 1839 A "Temperance Convention" at Burlington formed "The Iowa Territorial Temperance Society" with Robert Lucas as president.

November 14, 1910 Eugene B. Ely, a native Iowan, made first ship to shore flight in airplane.

November 15, 1877 Earthquake felt throughout Iowa.

November 19, 1838 Public land sales began at U. S. Land Office in Burlington.

November 28, 1839 First poor relief measure enacted in Territory of Iowa was introduced in Council.

November 30, 1846 First General Assembly convened at Iowa City.

NOVEMBER

*Much have I spoken of the faded leaf;
Long have I listened to the wailing wind,
And watched it ploughing through the heavy clouds,
For autumn charms my melancholy mind.*

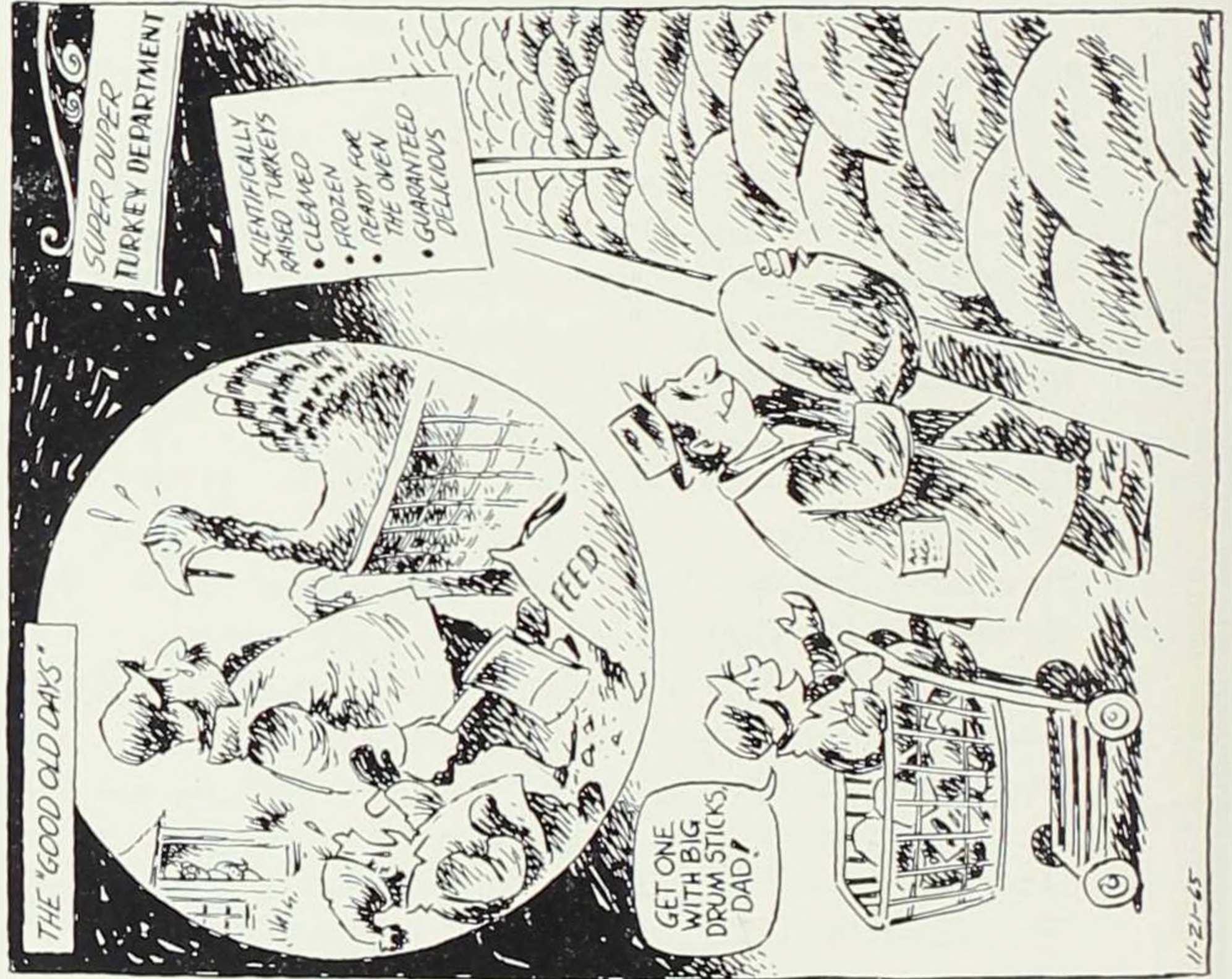
*When autumn comes, the poets sing a dirge:
The year must perish; all the flowers are dead;
The sheaves are gathered; and the mottled quail
Runs in the stubble, but the lark has fled!*

—ELIZABETH STODDARD

WE GIVE THANKS FOR THE FAITH AND STRENGTH
OF OUR FATHERS . . . MAY OUR CHILDREN BE ABLE
TO DO THE SAME.



THANKSGIVING IS SO MUCH EASIER WHEN YOU
DON'T KNOW THE TURKEY PERSONALLY



DECEMBER 1969



WINTER IN WEST AMANA

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

MARK MILLER

THE REGISTER'S IOWA CALENDAR

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DECEMBER—1838

Weather Calendar

Saturday, December 1. The weather turned cold. Large cakes of ice filled the river at Dubuque. At Burlington, Theodore S. Parvin commenced his daily "Journal of the weather." Wells were so scarce in Dubuque that drinking water was being sold.

Thursday, December 6. The river at Burlington was covered with ice.

Tuesday, December 11. In response to a request from a farmer on the Little Maquoketa, who was concerned with the disparity between the prices of agricultural products and the cost of merchandise in the stores, the *Iowa News* published current retail prices in Dubuque. Salt was listed at \$5 a bushel, fresh pork at \$9 a hundred, beef at \$6 a hundred, country flour at \$12 a barrel (for which local millers got only \$4), corn 75 cents a bushel, oats 75 cents a bushel, potatoes 72 cents a bushel, butter 50 cents a pound, wood \$3.50 a cord, sugar 20 cents a pound, and coffee 25 cents a pound.

Tuesday, December 18. Lamson, Bridgman & Co. had on hand, perhaps for Christmas trade, 20,000 cigars, four boxes of "smoking pipes," ten boxes of "lump tobacco," a big supply of coffee, tea, and sugar, and 300 yards of "elegant Lowell carpeting."

Wednesday, December 19. Burlington temperature zero.

Sunday, December 23. Five degrees below zero. T. S. Parvin read a sermon on "Gospel doctrine and Christian duty."

Tuesday, December 25. Christmas Day. Governor Lucas signed a law to prevent gambling.

Saturday, December 29. A bright day, 5° below zero.

Monday, December 31. T. S. Parvin started for Saint Louis with team and wagon to get the stationery he had bought in Cincinnati. Secretary Conway refused to pay for this material or the expenses of Parvin's trip until the goods were delivered.

DECEMBER HISTORICAL CALENDAR

December 1, 1838 Theodore S. Parvin began his famous weather journal at Burlington, which he continued at Muscatine and Iowa City until 1873.

December 3, 1846 Ansel Briggs inaugurated as first Governor of the State of Iowa.

December 7, 1836 Des Moines, Lee, Van Buren, Henry, Louisa, Muscatine, and Cook counties created out of Des Moines County.

December 8, 1854 Governor Hempstead called attention of General Assembly to our unprotected frontier.

December 12, 1837 Fire destroyed capitol at Burlington.

December 16, 1811 Terrible New Madrid earthquake.

December 21, 1837 Dubuque, Clayton, Jackson, Benton, Lynn [sic], Jones, Clinton, Johnson, Scott, Delaware, Buchanan, Cedar, and Fayette counties established—including the first with present boundaries.

December 25, 1838 Governor Lucas signed a law to prohibit gambling.

December 25, 1839 **Iowa Sun** invited Davenport citizens to join in a wolf hunt on New Year's Day.

December 25, 1849 Trappist monastery at New Melleray consecrated and occupied.

December 25, 1862 First Christmas celebrated as a legal holiday under act of the General Assembly passed on April 7th.

December 28, 1846 President Polk signed act admitting Iowa into the Union as the twenty-ninth State.

December 29, 1864 Dedication of the Little Brown Church.

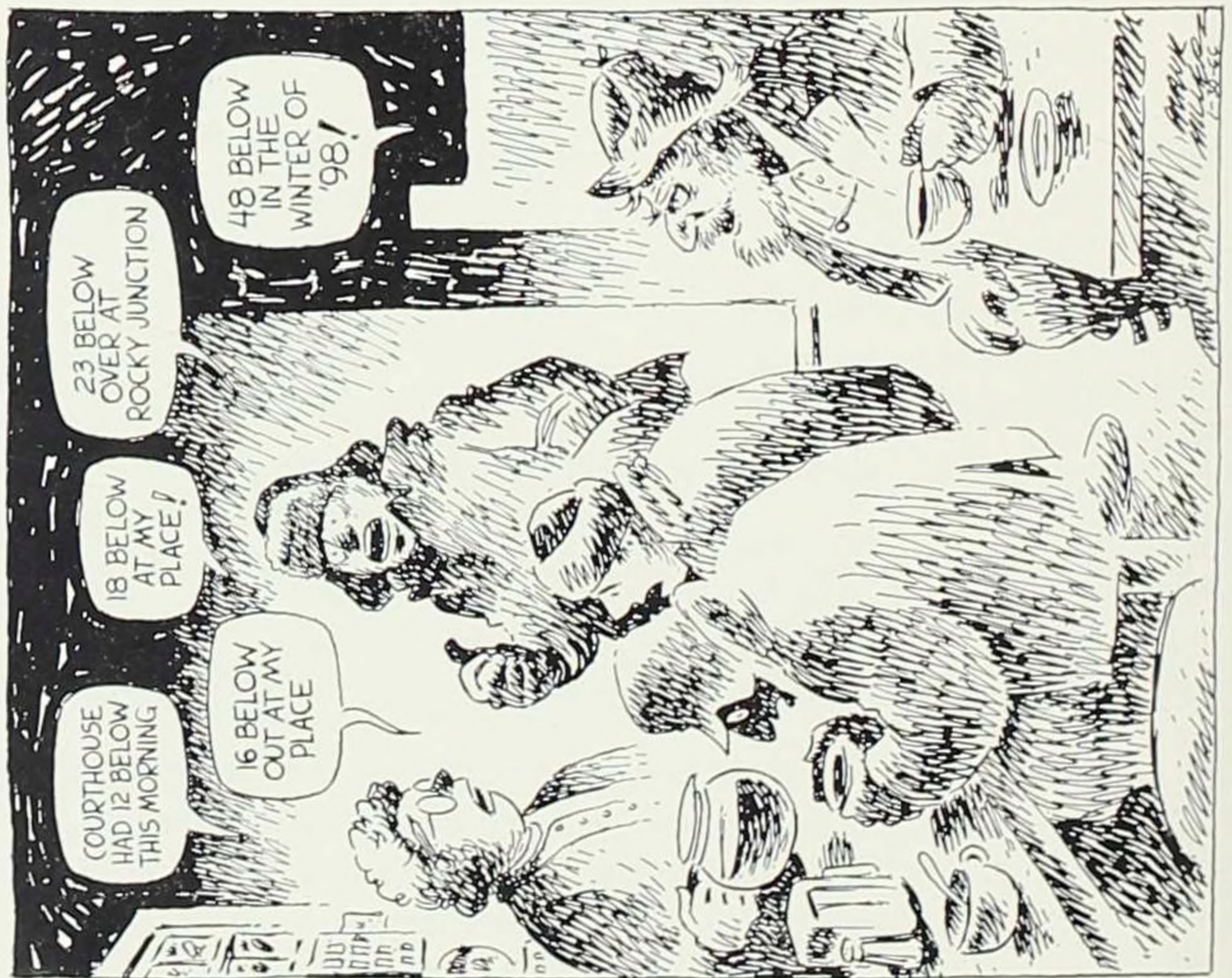
CHRISTMAS NIGHT OF '62

*The wintry blast goes wailing by,
The snow is falling overhead;
I hear the lonely sentry's tread,
And distant watch-fires light the sky.*

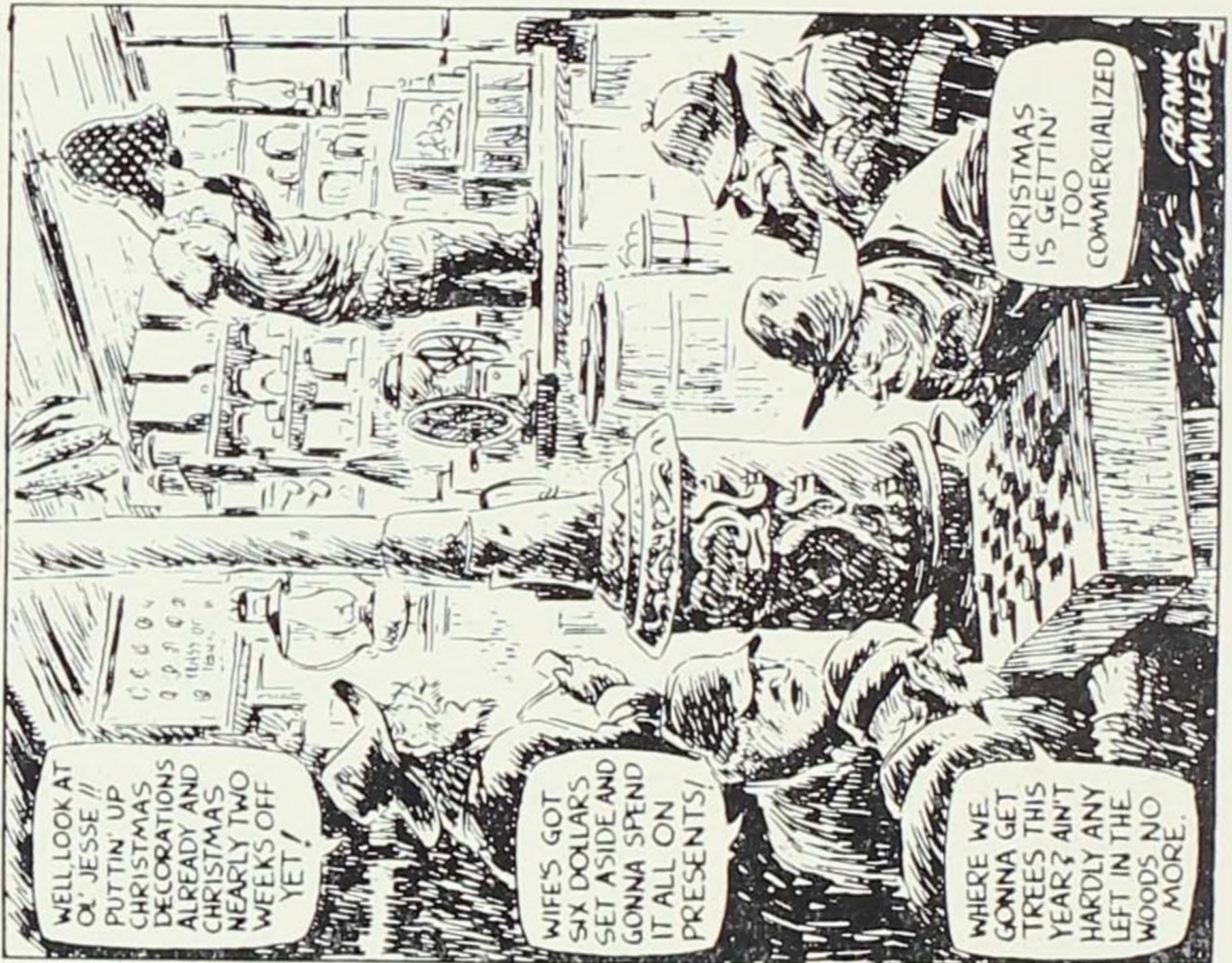
*Dim forms go flitting through the gloom;
The soldiers cluster round the blaze
To talk of other Christmas days,
And softly speak of home and home.*

—WILLIAM GORDON MCCABE

THE FIRST TEMPERATURE REPORT DOESN'T HAVE
A CHANCE



BACK WHEN THINGS FIRST STARTED GETTING
COMPLICATED



"SNOW-BOUND"
THE WORLD TRANSFORMED

Unwarmed by any sunset light
The gray day darkened into night,
A night made hoary with the swarm
And whirl-dance of the blinding storm,
As zigzag, wavering to and fro,
Crossed and recrossed the winged snows
And ere the early bedtime came
The white drift piled the window-frame,
And through the glass the clothes-line posts
Looked in like tall and sheeted ghosts.

So all night long the storm roared on:
The morning broke without a sun;
In tiny spherule traced with lines
Of Nature's geometric signs,
In starry flake, and pellicle,
All day the hoary meteor fell;
And, when the second morning shone,
We looked upon a world unknown,
On nothing we could call our own.
Around the glistening wonder bent
The blue walls of the firmament,
No cloud above, no earth below,—
A universe of sky and snow!
The old familiar sights of ours
Took marvelous shapes; strange domes and towers
Rose up where sty or corn-crib stood,
Or garden-wall, or belt of wood;
A smooth white mound the brush-pile showed,
A fenceless drift what once was road;
The bridle-post an old man sat
With loose-flung coat and high cocked hat;
The well-curb had a Chinese roof;
And even the long sweep, high aloof,
In its slant splendor, seemed to tell
Of Pisa's leaning miracle.

FIRELIGHT

*Shut in from all the world without,
We sat the clean-winged hearth about,
Content to let the north-wind roar
In baffled rage at pane and door,
While the red logs before us beat
The frost-line back with tropic heat;
And ever, when a louder blast
Shook beam and rafter as it passed,
The merrier up its roaring draught
The great throat of the chimney laughed;
The house-dog on his paws outspread
Laid to the fire his drowsy head,
The cat's dark silhouette on the wall
A couchant tiger's seemed to fall;
And, for the winter fireside meet,
Between the andirons' straddling feet,
The mug of cider simmered slow,
The apples sputtered in a row,
And, close at hand, the basket stood
With nuts from brown October's wood.*

—JOHN GREENLEAF WHITTIER

A Brief Explanation . . .

This set of calendars is known officially as the Gregorian Calendar. It was worked out by Pope Gregory XIII in 1582 to correct the errors in the Julian Calendar. The Gregorian Calendar was adopted almost immediately by most of the European countries. Great Britain did not adopt this calendar until 1753. We have used the beginning date of 1776 which is the year our country declared its Independence.

Understanding the Gregorian Calendar can be simplified by remembering your elementary school verse, "30 days hath September, April, June, and November. All the rest have 31, excepting February alone, which hath but 28, in fine, till leap year gives it 29." LEAP YEAR occurs every 4 years and on century years that can be divided by 400. Leap year is omitted on century years that CANNOT be divided by 400.

You will note that there are 14 calendars, 7 for regular years and 7 for leap years. Each set of yearly calendars rotate the first day of each year from Sunday thru Saturday. The sequence is too complicated for a concise formula to be enumerated here. For easy and quick reference, use the index for the year you want to use. For further reference and an easy guide, the year applicable to each calendar is listed at the top.

This set of calendars will make a valuable reference for home and office. Keep it handy as TIME is the most important thing in your life.

S. DURWARD HOAG

INDEX TO YEARS

The Numbers opposite year indicates
the Calendar Number.

1776— 9	1827— 2	1878— 3	1929— 3	1980—10
1777— 4	1828—10	1879— 4	1930— 4	1981— 5
1778— 5	1829— 5	1880—12	1931— 5	1982— 6
1779— 6	1830— 6	1881— 7	1932—13	1983— 7
1780—14	1831— 7	1882— 1	1933— 1	1984— 8
1781— 2	1832— 8	1883— 2	1934— 2	1985— 3
1782— 3	1833— 3	1884—10	1935— 3	1986— 4
1783— 4	1834— 4	1885— 5	1936—11	1987— 5
1784—12	1835— 5	1886— 6	1937— 6	1988—13
1785— 7	1836—13	1887— 7	1938— 7	1989— 1
1786— 1	1837— 1	1888— 8	1939— 1	1990— 2
1787— 2	1838— 2	1889— 3	1940— 9	1991— 3
1788—10	1839— 3	1890— 4	1941— 4	1992—11
1789— 5	1840—11	1891— 5	1942— 5	1993— 6
1790— 6	1841— 6	1892—13	1943— 6	1994— 7
1791— 7	1842— 7	1893— 1	1944—14	1995— 1
1792— 8	1843— 1	1894— 2	1945— 2	1996— 9
1793— 3	1844— 9	1895— 3	1946— 3	1997— 4
1794— 4	1845— 4	1896—11	1947— 4	1998— 5
1795— 5	1846— 5	1897— 6	1948—12	1999— 6
1796—13	1847— 6	1898— 7	1949— 7	2000—14
1797— 1	1848—14	1899— 1	1950— 1	2001— 2
1798— 2	1849— 2	1900— 2	1951— 2	2002— 3
1799— 3	1850— 3	1901— 3	1952—10	2003— 4
1800— 4	1851— 4	1902— 4	1953— 5	2004—12
1801— 5	1852—12	1903— 5	1954— 6	2005— 7
1802— 6	1853— 7	1904—13	1955— 7	2006— 1
1803— 7	1854— 1	1905— 1	1956— 8	2007— 2
1804— 8	1855— 2	1906— 2	1957— 3	2008—10
1805— 3	1856—10	1907— 3	1958— 4	2009— 5
1806— 4	1857— 5	1908—11	1959— 5	2010— 6
1807— 5	1858— 6	1909— 6	1960—13	2011— 7
1808—13	1859— 7	1910— 7	1961— 1	2012— 8
1809— 1	1860— 8	1911— 1	1962— 2	2013— 3
1810— 2	1861— 3	1912— 9	1963— 3	2014— 4
1811— 3	1862— 4	1913— 4	1964—11	2015— 5
1812—11	1863— 5	1914— 5	1965— 6	2016—13
1813— 6	1864—13	1915— 6	1966— 7	2017— 1
1814— 7	1865— 1	1916—14	1967— 1	2018— 2
1815— 1	1866— 2	1917— 2	1968— 9	2019— 3
1816— 9	1867— 3	1918— 3	1969— 4	2020—11
1817— 4	1868—11	1919— 4	1970— 5	2021— 6
1818— 5	1869— 6	1920—12	1971— 6	2022— 7
1819— 6	1870— 7	1921— 7	1972—14	2023— 1
1820—14	1871— 1	1922— 1	1973— 2	2024— 9
1821— 2	1872— 9	1923— 2	1974— 3	2025— 4
1822— 3	1873— 4	1924—10	1975— 4	2026— 5
1823— 4	1874— 5	1925— 5	1976—12	2027— 6
1824—12	1875— 6	1926— 6	1977— 7	2028—14
1825— 7	1876—14	1927— 7	1978— 1	
1826— 1	1877— 2	1928— 8	1979— 2	

CALENDAR No. 1

1786	1797	1809	1815	1826	1837	1843
1854	1865	1871	1882	1893	1899	1905
1911	1922	1933	1939	1950	1961	1967
1978	1989	1995	2006	2017	2023	

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4 5 6	1 2 3 4 5 6 7 8 9
8 9 10 11 12 13 14	7 8 9 10 11 12 13	10 11 12 13 14 15 16
15 16 17 18 19 20 21	14 15 16 17 18 19 20	17 18 19 20 21 22 23
22 23 24 25 26 27 28	21 22 23 24 25 26 27	24 25 26 27 28 29 30
29 30 31	28 29 30 31	
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1 2 3	1 2 3 4 5 6 7
5 6 7 8 9 10 11	4 5 6 7 8 9 10	8 9 10 11 12 13 14
12 13 14 15 16 17 18	11 12 13 14 15 16 17	15 16 17 18 19 20 21
19 20 21 22 23 24 25	18 19 20 21 22 23 24	22 23 24 25 26 27 28
26 27 28	25 26 27 28 29 30	29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1	1 2 3 4
5 6 7 8 9 10 11	2 3 4 5 6 7 8	5 6 7 8 9 10 11
12 13 14 15 16 17 18	9 10 11 12 13 14 15	12 13 14 15 16 17 18
19 20 21 22 23 24 25	16 17 18 19 20 21 22	19 20 21 22 23 24 25
26 27 28 29 30 31	23 24 25 26 27 28 29	26 27 28 29 30
	30 31	
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1	1 2 3 4 5	1 2
2 3 4 5 6 7 8	6 7 8 9 10 11 12	3 4 5 6 7 8 9
9 10 11 12 13 14 15	13 14 15 16 17 18 19	10 11 12 13 14 15 16
16 17 18 19 20 21 22	20 21 22 23 24 25 26	17 18 19 20 21 22 23
23 24 25 26 27 28 29	27 28 29 30 31	24 25 26 27 28 29 30
30		31

CALENDAR No. 2

1781	1787	1798	1810	1821	1827	1838
1849	1855	1866	1877	1883	1894	1900
1906	1917	1923	1934	1945	1951	1962
1973	1979	1990	2001	2007	2018	

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3 4 5	1 2 3 4 5 6 7 8
7 8 9 10 11 12 13	6 7 8 9 10 11 12	9 10 11 12 13 14 15
14 15 16 17 18 19 20	13 14 15 16 17 18 19	16 17 18 19 20 21 22
21 22 23 24 25 26 27	20 21 22 23 24 25 26	23 24 25 26 27 28 29
28 29 30 31	27 28 29 30 31	30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1 2	1 2 3 4 5 6
4 5 6 7 8 9 10	3 4 5 6 7 8 9	7 8 9 10 11 12 13
11 12 13 14 15 16 17	10 11 12 13 14 15 16	14 15 16 17 18 19 20
18 19 20 21 22 23 24	17 18 19 20 21 22 23	21 22 23 24 25 26 27
25 26 27 28	24 25 26 27 28 29 30	28 29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1 2 3 4 5 6 7	1 2 3
4 5 6 7 8 9 10	8 9 10 11 12 13 14	4 5 6 7 8 9 10
11 12 13 14 15 16 17	15 16 17 18 19 20 21	11 12 13 14 15 16 17
18 19 20 21 22 23 24	22 23 24 25 26 27 28	18 19 20 21 22 23 24
25 26 27 28 29 30 31	29 30 31	25 26 27 28 29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4	1
8 9 10 11 12 13 14	5 6 7 8 9 10 11	2 3 4 5 6 7 8
15 16 17 18 19 20 21	12 13 14 15 16 17 18	9 10 11 12 13 14 15
22 23 24 25 26 27 28	19 20 21 22 23 24 25	16 17 18 19 20 21 22
29 30	26 27 28 29 30 31	23 24 25 26 27 28 29
		30 31

CALENDAR No. 3

1782	1793	1799	1805	1811	1822	1833
1839	1850	1861	1867	1878	1889	1895
1901	1907	1918	1929	1935	1946	1957
1963	1974	1985	1991	2002	2013	2019

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5	1 2 3 4	1 2 3 4 5 6 7
6 7 8 9 10 11 12	5 6 7 8 9 10 11	8 9 10 11 12 13 14
13 14 15 16 17 18 19	12 13 14 15 16 17 18	15 16 17 18 19 20 21
20 21 22 23 24 25 26	19 20 21 22 23 24 25	22 23 24 25 26 27 28
27 28 29 30 31	26 27 28 29 30 31	29 30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	1 2 3 4 5
10 11 12 13 14 15 16	9 10 11 12 13 14 15	6 7 8 9 10 11 12
17 18 19 20 21 22 23	16 17 18 19 20 21 22	13 14 15 16 17 18 19
24 25 26 27 28	23 24 25 26 27 28 29	20 21 22 23 24 25 26
	30	27 28 29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9	1 2 3 4 5 6	1 2 3 4 5 6 7
10 11 12 13 14 15 16	7 8 9 10 11 12 13	8 9 10 11 12 13 14
17 18 19 20 21 22 23	14 15 16 17 18 19 20	15 16 17 18 19 20 21
24 25 26 27 28 29 30 31	21 22 23 24 25 26 27	22 23 24 25 26 27 28
	28 29 30 31	29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3	1 2 3 4 5 6 7
7 8 9 10 11 12 13	4 5 6 7 8 9 10	8 9 10 11 12 13 14
14 15 16 17 18 19 20	11 12 13 14 15 16 17	15 16 17 18 19 20 21
21 22 23 24 25 26 27	18 19 20 21 22 23 24	22 23 24 25 26 27 28
28 29 30	25 26 27 28 29 30 31	29 30 31

CALENDAR No. 5

1778	1789	1795	1801	1807	1818	1829
1835	1846	1857	1863	1874	1885	1891
1903	1914	1925	1931	1942	1953	1959
1970	1981	1987	1998	2009	2015	2026

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9	1 2 3 4 5
11 12 13 14 15 16 17	10 11 12 13 14 15 16	6 7 8 9 10 11 12
18 19 20 21 22 23 24	17 18 19 20 21 22 23	13 14 15 16 17 18 19
25 26 27 28 29 30 31	24 25 26 27 28 29 30	20 21 22 23 24 25 26
	31	27 28 29 30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4 5 6	1 2 3
8 9 10 11 12 13 14	7 8 9 10 11 12 13	4 5 6 7 8 9 10
15 16 17 18 19 20 21	14 15 16 17 18 19 20	11 12 13 14 15 16 17
22 23 24 25 26 27 28	21 22 23 24 25 26 27	18 19 20 21 22 23 24
	28 29 30	25 26 27 28 29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4	1 2 3 4 5 6 7
8 9 10 11 12 13 14	5 6 7 8 9 10 11	8 9 10 11 12 13 14
15 16 17 18 19 20 21	12 13 14 15 16 17 18	15 16 17 18 19 20 21
22 23 24 25 26 27 28	19 20 21 22 23 24 25	22 23 24 25 26 27 28
29 30 31	26 27 28 29 30 31	29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1	1 2 3 4 5
5 6 7 8 9 10 11	2 3 4 5 6 7 8	6 7 8 9 10 11 12
12 13 14 15 16 17 18	9 10 11 12 13 14 15	13 14 15 16 17 18 19
19 20 21 22 23 24 25	16 17 18 19 20 21 22	20 21 22 23 24 25 26
26 27 28 29 30	23 24 25 26 27 28 29	27 28 29 30 31
	30 31	

CALENDAR No. 4

1777	1783	1794	1800	1806	1817	1823
1834	1845	1851	1862	1873	1879	1890
1902	1913	1919	1930	1941	1947	1958
1969	1975	1986	1997	2003	2014	2025

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1 2 3	1 2 3 4 5 6
5 6 7 8 9 10 11	4 5 6 7 8 9 10	7 8 9 10 11 12 13
12 13 14 15 16 17 18	11 12 13 14 15 16 17	14 15 16 17 18 19 20
19 20 21 22 23 24 25	18 19 20 21 22 23 24	21 22 23 24 25 26 27
26 27 28 29 30 31	25 26 27 28 29 30 31	28 29 30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8	1 2 3 4 5 6 7	1 2 3 4
9 10 11 12 13 14 15	8 9 10 11 12 13 14	5 6 7 8 9 10 11
16 17 18 19 20 21 22	15 16 17 18 19 20 21	12 13 14 15 16 17 18
23 24 25 26 27 28	22 23 24 25 26 27 28	19 20 21 22 23 24 25
	29 30	26 27 28 29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8	1 2 3 4 5	1 2 3 4 5 6 7 8
9 10 11 12 13 14 15	6 7 8 9 10 11 12	9 10 11 12 13 14 15
16 17 18 19 20 21 22	13 14 15 16 17 18 19	16 17 18 19 20 21 22
23 24 25 26 27 28 29	20 21 22 23 24 25 26	23 24 25 26 27 28 29
30 31	27 28 29 30 31	30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5	1 2	1 2 3 4 5 6
6 7 8 9 10 11 12	3 4 5 6 7 8 9	7 8 9 10 11 12 13
13 14 15 16 17 18 19	10 11 12 13 14 15 16	14 15 16 17 18 19 20
20 21 22 23 24 25 26	17 18 19 20 21 22 23	21 22 23 24 25 26 27
27 28 29 30	24 25 26 27 28 29 30	28 29 30

CALENDAR No. 6

1779	1790	1802	1813	1819	1830	1841
1847	1858	1869	1875	1886	1897	1909
1915	1926	1937	1943	1954	1965	1971
1982	1993	1999	2010	2021	2027	

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	1 2 3 4
10 11 12 13 14 15 16	9 10 11 12 13 14 15	5 6 7 8 9 10 11
17 18 19 20 21 22 23	16 17 18 19 20 21 22	12 13 14 15 16 17 18
24 25 26 27 28 29 30	23 24 25 26 27 28 29	19 20 21 22 23 24 25
31	30 31	26 27 28 29 30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3 4 5	1 2
7 8 9 10 11 12 13	6 7 8 9 10 11 12	3 4 5 6 7 8 9
14 15 16 17 18 19 20	13 14 15 16 17 18 19	10 11 12 13 14 15 16
21 22 23 24 25 26 27	20 21 22 23 24 25 26	17 18 19 20 21 22 23
28	27 28 29 30	24 25 26 27 28 29 30
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3	1 2 3 4 5 6
7 8 9 10 11 12 13	4 5 6 7 8 9 10	7 8 9 10 11 12 13
14 15 16 17 18 19 20	11 12 13 14 15 16 17	14 15 16 17 18 19 20
21 22 23 24 25 26 27	18 19 20 21 22 23 24	21 22 23 24 25 26 27
28 29 30 31	25 26 27 28 29 30 31	28 29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1 2 3 4 5 6 7	1 2 3 4
4 5 6 7 8 9 10	8 9 10 11 12 13 14	5 6 7 8 9 10 11
11 12 13 14 15 16 17	15 16 17 18 19 20 21	12 13 14 15 16 17 18
18 19 20 21 22 23 24	22 23 24 25 26 27 28	19 20 21 22 23 24 25
25 26 27 28 29 30	29 30 31	26 27 28 29 30 31

CALENDAR No. 7

1785	1791	1803	1814	1825	1831	1842
1853	1859	1870	1881	1887	1898	1910
1921	1927	1938	1949	1955	1966	1977
1983	1994	2005	2011	2022		

JANUARY							MAY							SEPTEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
2	3	4	5	6	7	1	1	2	3	4	5	6	7					1	2	3	
9	10	11	12	13	14	15	8	9	10	11	12	13	14		4	5	6	7	8	9	10
16	17	18	19	20	21	22	15	16	17	18	19	20	21		11	12	13	14	15	16	17
23	24	25	26	27	28	29	22	23	24	25	26	27	28		18	19	20	21	22	23	24
30	31						29	30	31						25	26	27	28	29	30	
FEBRUARY							JUNE							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4															
6	7	8	9	10	11	12	5	6	7	8	9	10	11		2	3	4	5	6	7	8
13	14	15	16	17	18	19	12	13	14	15	16	17	18		9	10	11	12	13	14	15
20	21	22	23	24	25	26	19	20	21	22	23	24	25		16	17	18	19	20	21	22
27	28						26	27	28	29	30				23	24	25	26	27	28	29
															30	31					
MARCH							JULY							NOVEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4							1	2							
6	7	8	9	10	11	12	3	4	5	6	7	8	9		6	7	8	9	10	11	12
13	14	15	16	17	18	19	10	11	12	13	14	15	16		13	14	15	16	17	18	19
20	21	22	23	24	25	26	17	18	19	20	21	22	23		20	21	22	23	24	25	26
27	28	29	30	31			24	25	26	27	28	29	30		27	28	29	30			
							31														
APRIL							AUGUST							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
																			</		

CALENDAR No. 9

LEAP YEARS

1776	1816	1844	1872
1912	1940	1968	1996
2024			

JANUARY							MAY							SEPTEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
	1	2	3	4	5	6					1	2	3	4	1	2	3	4	5	6	7	
7	8	9	10	11	12	13	5	6	7	8	9	10	11	12	8	9	10	11	12	13	14	
14	15	16	17	18	19	20	12	13	14	15	16	17	18	19	15	16	17	18	19	20	21	
21	22	23	24	25	26	27	19	20	21	22	23	24	25	26	22	23	24	25	26	27	28	
28	29	30	31				26	27	28	29	30	31			29	30						
FEBRUARY							JUNE							OCTOBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
					1	2	3						1			1	2	3	4	5		
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12		
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19		
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26		
25	26	27	28	29			23	24	25	26	27	28	29	27	28	29	30	31				
							30															
MARCH							JULY							NOVEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
					1	2		1	2	3	4	5	6						1	2		
3	4	5	6	7	8	9	7	8	9	10	11	12	13	3	4	5	6	7	8	9		
10	11	12	13	14	15	16	14	15	16	17	18	19	20	10	11	12	13	14	15	16		
17	18	19	20	21	22	23	21	22	23	24	25	26	27	17	18	19	20	21	22	23		
24	25	26	27	28	29	30	28	29	30	31				24	25	26	27	28	29	30		
31																						
APRIL							AUGUST							DECEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
		1	2	3	4	5					1	2	3			1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14		
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21		
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28		
28	29	30					25	26	27	28	29	30	31	29	30	31						

CALENDAR No. 8

LEAP YEARS

1792	1804	1832	1860
1888	1928	1956	1984
2012			

JANUARY							MAY							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	6	7	8	9	10	11	12	2	3	4	5	6	7	8
8	9	10	11	12	13	14	13	14	15	16	17	18	19	9	10	11	12	13	14	15
15	16	17	18	19	20	21	20	21	22	23	24	25	26	16	17	18	19	20	21	22
22	23	24	25	26	27	28	27	28	29	30	31			23	24	25	26	27	28	29
29	30	31												30						
FEBRUARY							JUNE							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29				24	25	26	27	28	29	30	28	29	30	31			
MARCH							JULY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
4	5	6	7	8	9	10	8	9	10	11	12	13	14	4	5	6	7	8	9	10
11	12	13	14	15	16	17	15	16	17	18	19	20	21	11	12	13	14	15	16	17
18	19	20	21	22	23	24	22	23	24	25	26	27	28	18	19	20	21	22	23	24
25	26	27	28	29	30	31	29	30	31					25	26	27	28	29	30	-
APRIL							AUGUST							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	5	6	7	8	9	10	11	2	3	4	5	6	7	8
8	9	10	11	12	13	14	12	13	14	15	16	17	18	9	10	11	12	13	14	15
15	16	17	18	19	20	21	19	20	21	22	23	24	25	16	17	18	19	20	21	22
22	23	24	25	26	27	28	26	27	28	29	30	31		23	24	25	26	27	28	29
29	30													30	31					

CALENDAR No. 10

LEAP YEARS

1788	1828	1856	1884
1924	1952	1980	2008

JANUARY							MAY							SEPTEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
		1	2	3	4	5					1	2	3		1	2	3	4	5	6		
6	7	8	9	10	11	12	4	5	6	7	8	9	10	7	8	9	10	11	12	13		
13	14	15	16	17	18	19	11	12	13	14	15	16	17	14	15	16	17	18	19	20		
20	21	22	23	24	25	26	18	19	20	21	22	23	24	21	22	23	24	25	26	27		
27	28	29	30	31			25	26	27	28	29	30	31	28	29	30						
FEBRUARY							JUNE							OCTOBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
					1	2	1	2	3	4	5	6	7				1	2	3	4		
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11		
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18		
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25		
24	25	26	27	28	29		29	30						26	27	28	29	30	31			
MARCH							JULY							NOVEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
						1			1	2	3	4	5							1		
2	3	4	5	6	7	8	6	7	8	9	10	11	12	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	13	14	15	16	17	18	19	9	10	11	12	13	14	15		
16	17	18	19	20	21	22	20	21	22	23	24	25	26	16	17	18	19	20	21	22		
23	24	25	26	27	28	29	27	28	29	30	31			23	24	25	26	27	28	29		
30	31													30								
APRIL							AUGUST							DECEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
			1	2	3	4							1				1	2	3	4	5	6
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13		
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20		
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27		
27	28	29	30				24	25	26	27	28	29	30	28	29	30	31					
							31															

CALENDAR No. 11

LEAP YEARS

1812	1840	1868	1896
1908	1936	1964	1992
2020			

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

CALENDAR No. 13

LEAP YEARS

1796	1808	1836	1864
1892	1904	1932	1960
1988	2016		

JANUARY							MAY							SEPTEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
					1	2	1	2	3	4	5	6	7					1	2	3	
3	4	5	6	7	8	9	8	9	10	11	12	13	14	4	5	6	7	8	9	10	
10	11	12	13	14	15	16	15	16	17	18	19	20	21	11	12	13	14	15	16	17	
17	18	19	20	21	22	23	22	23	24	25	26	27	28	18	19	20	21	22	23	24	
24	25	26	27	28	29	30	29	30	31					25	26	27	28	29	30		
31																					
FEBRUARY							JUNE							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
		1	2	3	4	5	6				1	2	3	4						1	
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8	
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15	
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22	
28	29						26	27	28	29	30			23	24	25	26	27	28	29	
														30	31						
MARCH							JULY							NOVEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4	5					1	2			1	2	3	4	5	
6	7	8	9	10	11	12	3	4	5	6	7	8	9	6	7	8	9	10	11	12	
13	14	15	16	17	18	19	10	11	12	13	14	15	16	13	14	15	16	17	18	19	
20	21	22	23	24	25	26	17	18	19	20	21	22	23	20	21	22	23	24	25	26	
27	28	29	30	31			24	25	26	27	28	29	30	27	28	29	30				
							31														
APRIL							AUGUST							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
					1	2			1	2	3	4	5	6					1	2	3
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10	
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17	
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24	
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28	29	30	31	

CALENDAR No. 12

LEAP YEARS

1784	1824	1852	1880
1920	1948	1976	2004

JANUARY							MAY							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1 2 3							1 8							1 2 3 4
4	5	6	7	8	9	10	2	3	4	5	6	7	8	5	6	7	8	9	10	11
11	12	13	14	15	16	17	9	10	11	12	13	14	15	12	13	14	15	16	17	18
18	19	20	21	22	23	24	16	17	18	19	20	21	22	19	20	21	22	23	24	25
25	26	27	28	29	30	31	23	24	25	26	27	28	29	26	27	28	29	30		
							30	31												
FEBRUARY							JUNE							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1 2 3 4 5									1 2	
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
29							27	28	29	30				24	25	26	27	28	29	30
														31						
MARCH							JULY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1 2 3 4 5 6						1 2 3							1 2 3 4 5 6	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	7	8	9	10	11	12	13
14	15	16	17	18	19	20	11	12	13	14	15	16	17	14	15	16	17	18	19	20
21	22	23	24	25	26	27	18	19	20	21	22	23	24	21	22	23	24	25	26	27
28	29	30	31				25	26	27	28	29	30	31	28	29	30				
APRIL							AUGUST							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1 2 3							1 6 7						1 2 3 4	
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30		29	30	31					26	27	28	29	30	31	

CALENDAR No. 14

LEAP YEARS

1780	1820	1848	1876
1916	1944	1972	2000
2028			

JANUARY							MAY							SEPTEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1			1	2	3	4	5	6						1	2
2	3	4	5	6	7	8	7	8	9	10	11	12	13		3	4	5	6	7	8	9
9	10	11	12	13	14	15	14	15	16	17	18	19	20		10	11	12	13	14	15	16
16	17	18	19	20	21	22	21	22	23	24	25	26	27		17	18	19	20	21	22	23
23	24	25	26	27	28	29	28	29	30	31					24	25	26	27	28	29	30
30	31																				
FEBRUARY							JUNE							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4					1	2	3		1	2	3	4	5	6	7
6	7	8	9	10	11	12	4	5	6	7	8	9	10		8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17		15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24		22	23	24	25	26	27	28
27	28	29					25	26	27	28	29	30		29	30	31					
MARCH							JULY							NOVEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3							1					1	2	3	4
5	6	7	8	9	10	11	2	3	4	5	6	7	8		5	6	7	8	9	10	11
12	13	14	15	16	17	18	9	10	11	12	13	14	15		12	13	14	15	16	17	18
19	20	21	22	23	24	25	16	17	18	19	20	21	22		19	20	21	22	23	24	25
26	27	28	29	30	31		23	24	25	26	27	28	29		26	27	28	29	30		
							30	31													
APRIL							AUGUST							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1				1	2	3	4	5						1	2
2	3	4	5	6	7	8	6	7	8	9	10	11	12		3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19		10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26		17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	29	30	31				24	25	26	27	28	29	30
30															31						

AMERICAN PIONEERS—PAST AND PRESENT

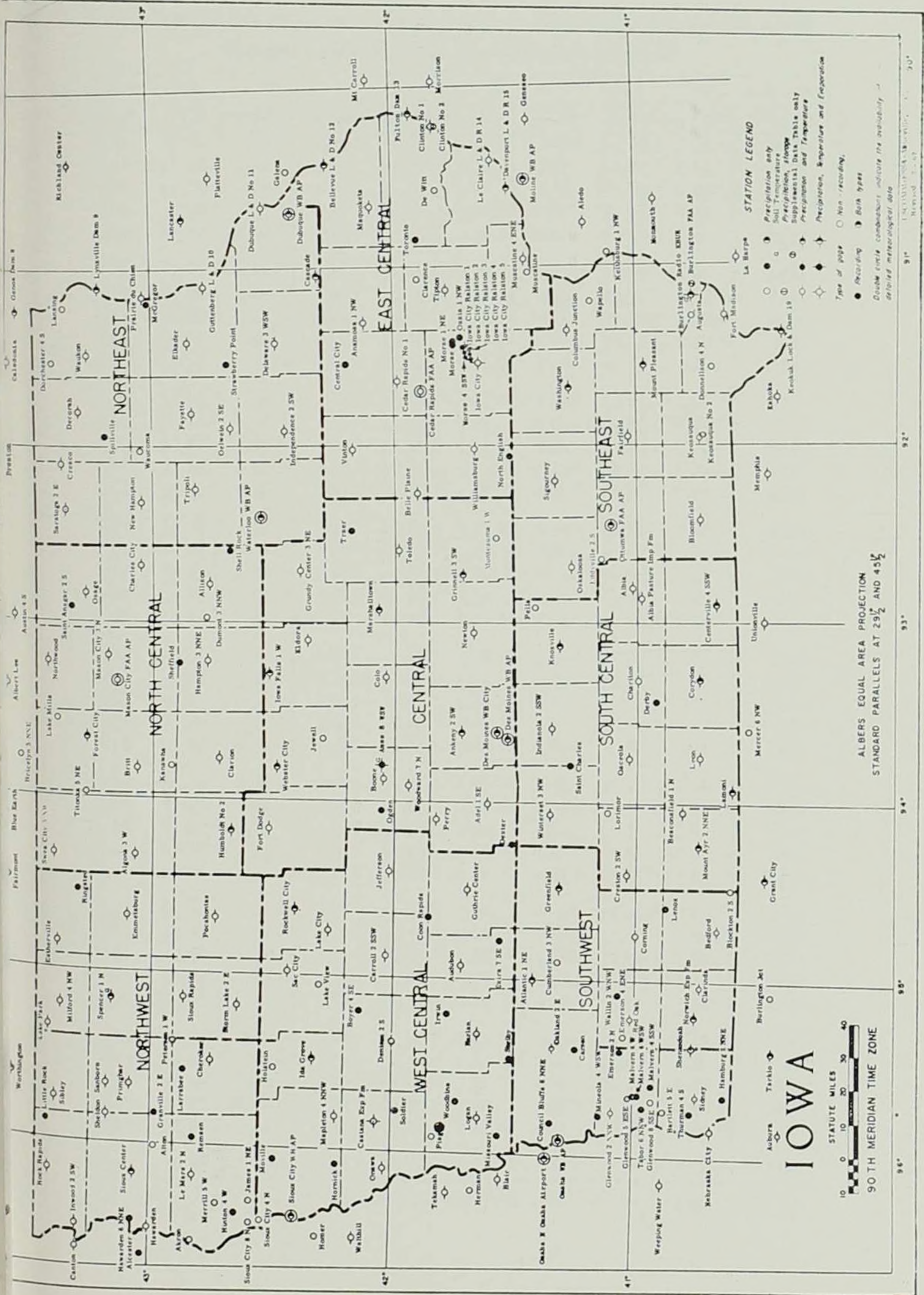


CONQUERING THE WILDERNESS AND BUILDING A NATION OUT OF IT



PRESERVING THE WILDERNESS AND STRENGTHENING THE NATION WITH IT

ROBIN MILLER



Iowa Divisional Averages: Temperatures, Precipitation & Snowfalls
Annual 1928-68, incl. & Averages 1928-68.

Division	NW			NC			NE		
Year	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow
1928	47.3	27.20	29.3	46.9	36.21	31.0	47.7	39.05	22.2
1929	44.3	24.78	42.5	43.7	27.33	60.9	44.4	26.74	48.8
1930	48.3	23.10	17.1	47.5	27.73	26.0	47.8	29.53	30.3
1931	51.7	25.63	11.7	51.4	31.80	19.3	51.5	32.71	26.6
1932	45.8	28.34	54.3	45.5	31.37	55.9	46.3	33.33	40.4
1933	48.4	24.51	26.9	48.0	24.40	30.6	48.4	27.69	22.5
1934	49.1	26.29	24.3	48.6	27.76	34.1	48.9	30.19	31.1
1935	46.6	25.79	29.0	46.0	30.48	36.8	46.4	30.66	33.5
1936	45.6	22.05	57.2	45.5	29.02	57.6	45.9	28.05	49.3
1937	45.1	29.20	48.3	44.9	30.57	59.7	45.2	27.39	47.8
1938	48.6	34.81	41.1	48.5	41.15	34.1	49.0	41.21	37.1
1939	48.9	20.20	31.3	48.8	22.62	41.3	49.4	23.20	34.3
1940	45.9	26.67	55.3	45.8	34.40	49.2	46.2	36.14	54.0
1941	48.9	29.46	29.0	48.9	36.96	37.4	49.4	36.72	38.3
1942	46.9	28.97	25.8	46.4	31.56	38.2	46.9	37.80	31.8
1943	46.0	28.41	33.4	44.9	29.59	36.6	45.6	31.57	33.6
1944	47.5	35.18	28.0	47.2	32.65	33.3	47.9	33.92	37.7
1945	45.7	30.19	57.5	45.0	35.21	54.9	45.6	35.65	37.3
1946	48.0	30.47	26.6	47.9	33.27	21.0	48.6	33.81	23.5
1947	46.5	27.34	48.0	46.4	31.85	44.3	46.7	37.57	41.8
1948	46.9	24.76	33.1	47.0	26.11	29.8	47.2	30.48	31.2
1949	47.2	25.22	19.8	47.3	25.96	28.4	47.3	24.10	42.2
1950	43.7	24.69	48.8	43.3	30.85	44.8	44.0	34.15	46.8
1951	43.2	40.91	30.6	42.8	41.29	68.0	43.7	44.74	70.1
1952	46.8	24.04	44.6	46.7	26.89	56.7	47.4	27.09	44.7
1953	48.0	31.36	31.5	47.8	28.19	25.9	48.2	31.05	20.0
1954	48.1	31.83	23.0	48.0	37.73	23.6	48.4	33.12	22.0
1955	47.2	17.42	24.7	46.9	22.15	26.5	47.5	24.12	26.2
1956	47.0	20.80	38.2	46.3	26.19	44.1	46.8	27.42	27.1
1957	46.7	30.29	33.0	46.6	28.81	37.0	46.8	29.44	31.6
1958	47.0	15.42	15.4	46.3	20.11	17.6	46.0	22.88	17.3
1959	46.1	32.03	49.0	45.8	37.28	56.8	45.8	39.84	66.1
1960	45.3	29.81	31.7	45.7	26.15	33.0	45.6	35.95	36.2
1961	45.7	27.18	54.2	45.7	32.01	56.8	46.1	41.09	44.5
1962	45.7	30.68	58.9	45.4	31.77	53.1	45.2	33.68	54.0
1963	47.6	21.39	25.6	46.7	30.24	34.6	46.2	26.81	35.0
1964	47.4	30.90	26.8	47.7	32.33	30.8	47.7	26.91	29.5
1965	45.4	32.50	43.4	45.1	39.80	50.9	45.7	41.36	34.8
1966	45.3	20.76	29.6	45.2	25.54	28.3	45.5	28.65	21.4
1967	45.8	21.08	14.9	45.3	27.39	19.6	45.4	30.25	28.6
1968	46.8	31.77	31.0	46.7	37.90	27.2	47.1	38.06	23.9

All 1968 averages are tentative and approximate.

Iowa Divisional Averages: Temperatures, Precipitation & Snowfalls
Annual 1928-68, incl. & Averages 1928-68.

Division	WC			C			EC		
Year	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow
1928	49.3	26.83	25.4	49.4	36.55	23.6	50.0	37.59	15.3
1929	46.4	26.09	41.6	46.2	30.52	47.6	47.2	33.26	35.4
1930	50.6	28.19	18.7	50.3	21.20	25.8	50.5	30.41	29.1
1931	53.3	35.34	18.1	53.1	37.87	23.2	53.3	33.18	27.5
1932	47.9	29.16	45.4	48.1	32.68	34.6	49.1	29.10	21.4
1933	51.0	21.05	19.9	50.8	24.20	11.7	50.5	26.11	16.1
1934	51.7	23.79	26.4	51.4	26.15	28.0	51.0	32.06	21.5
1935	49.0	26.89	20.6	48.2	36.16	27.4	48.5	35.15	23.8
1936	48.8	20.33	52.7	48.2	28.01	49.6	48.5	29.48	44.0
1937	47.6	25.14	34.2	47.1	28.04	36.6	47.7	29.97	27.9
1938	51.3	33.45	23.6	51.0	35.97	26.4	51.5	39.49	21.2
1939	51.4	20.67	38.2	50.8	25.11	42.3	51.1	27.52	30.4
1940	47.8	31.93	53.2	47.6	31.46	46.9	48.2	26.07	36.7
1941	51.0	30.65	29.7	50.8	36.38	31.8	51.4	39.87	32.8
1942	48.9	28.92	33.1	48.7	34.55	36.9	49.3	33.62	27.4
1943	48.3	27.32	20.0	47.6	33.90	26.6	48.0	33.18	25.0
1944	49.2	35.61	37.5	49.2	40.39	38.4	49.8	37.82	34.5
1945	47.9	34.47	52.2	47.8	35.29	39.2	48.0	33.58	22.8
1946	50.8	32.44	17.8	50.8	36.72	19.7	51.1	36.47	16.2
1947	48.9	31.30	36.4	49.1	37.82	32.6	49.3	36.03	34.5
1948	49.0	26.99	43.6	49.6	27.94	32.8	49.6	31.35	28.1
1949	48.9	25.53	26.3	49.6	25.74	29.1	50.1	31.83	24.9
1950	45.8	27.95	35.0	46.6	26.91	38.7	47.1	31.07	33.6
1951	45.5	43.04	52.7	45.9	40.22	50.7	46.7	43.61	60.6
1952	48.9	32.12	40.5	49.4	29.70	35.1	49.9	30.55	35.4
1953	50.5	23.07	18.2	50.7	24.08	18.9	50.8	26.51	33.6
1954	50.7	33.11	17.2	50.9	38.41	24.1	51.0	35.68	30.8
1955	49.3	19.16	28.5	49.6	23.10	20.3	50.1	25.85	23.5
1956	49.6	23.36	25.7	49.6	22.84	26.1	50.2	26.83	18.4
1957	48.8	33.15	37.8	48.8	31.16	37.3	49.9	31.36	25.7
1958	48.4	24.28	21.9	48.1	28.51	18.9	48.5	27.83	22.1
1959	48.3	33.20	46.3	48.1	35.18	53.4	48.9	42.72	53.5
1960	47.0	29.68	46.3	47.0	34.40	44.6	48.0	38.47	46.9
1961	47.8	33.86	53.6	47.8	38.21	44.8	48.9	42.63	30.0
1962	48.0	32.38	43.7	47.5	27.40	37.8	48.1	32.23	39.8
1963	49.4	26.09	32.8	48.6	28.48	30.4	48.7	26.75	30.4
1964	49.6	32.53	24.2	49.5	31.42	25.2	50.3	29.06	30.9
1965	47.9	36.22	38.5	47.6	39.27	36.7	49.0	45.84	33.2
1966	47.7	21.03	20.3	47.5	25.27	14.9	48.3	29.80	16.5
1967	48.3	28.09	9.1	47.7	27.68	11.4	48.3	36.78	25.8
1968	48.9	33.38	27.6	48.3	32.90	23.9	49.8	30.90	17.9

All 1968 averages are tentative and approximate.

Iowa Divisional Averages: Temperatures, Precipitation & Snowfalls
Annual 1928-68, incl. & Averages 1928-68.

Division	SW			SC			SE		
Year	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow
1928	51.5	35.38	23.0	51.0	38.14	17.9	51.4	42.66	13.5
1929	48.5	34.96	37.8	48.0	30.80	35.0	49.0	36.74	25.6
1930	52.5	24.19	19.7	51.8	26.67	23.0	52.3	29.38	25.4
1931	54.7	39.34	22.9	54.4	41.66	34.0	54.6	43.37	29.3
1932	50.1	35.96	37.6	50.0	34.48	31.9	50.8	38.23	25.3
1933	53.1	23.97	16.6	52.7	22.88	10.8	53.1	29.10	10.3
1934	54.2	20.86	19.8	53.7	25.26	30.4	53.8	28.68	28.2
1935	51.5	31.47	13.4	50.1	39.80	15.3	50.7	41.30	16.7
1936	51.2	25.97	46.2	50.8	25.07	43.9	51.7	26.92	37.2
1937	50.3	22.83	19.7	49.5	25.14	25.5	50.1	28.42	23.4
1938	53.9	30.49	13.1	53.5	31.72	13.3	54.0	37.31	14.2
1939	53.3	25.94	36.1	53.1	28.39	36.0	53.4	31.89	18.3
1940	49.6	32.10	50.0	49.3	30.06	39.7	50.2	27.41	31.1
1941	52.9	41.89	32.0	52.7	40.15	28.9	53.4	38.51	26.7
1942	50.6	32.79	39.2	50.6	33.49	33.6	51.9	31.67	25.0
1943	50.2	29.91	16.8	49.6	32.11	18.2	50.5	35.01	25.8
1944	50.6	37.53	30.1	50.6	39.34	28.2	51.9	40.54	28.6
1945	49.3	34.00	37.8	49.4	35.65	28.6	50.0	36.04	28.5
1946	52.5	34.30	10.8	52.5	38.37	10.3	53.4	39.14	15.4
1947	50.5	35.25	21.0	50.9	40.30	23.7	51.6	37.07	19.7
1948	50.2	29.67	47.0	50.8	27.66	45.9	51.5	30.61	31.1
1949	50.2	31.55	29.3	50.8	33.08	24.7	51.9	31.89	18.5
1950	48.0	31.38	28.8	48.4	28.26	34.0	48.9	27.55	23.7
1951	47.7	42.47	26.4	47.8	42.59	36.7	48.5	42.41	43.1
1952	50.8	32.94	40.7	51.1	33.59	32.8	51.8	32.87	25.6
1953	52.8	22.56	16.7	52.8	22.66	26.1	53.1	22.74	27.9
1954	53.3	31.52	6.8	53.1	31.99	9.6	53.0	34.59	13.1
1955	51.2	22.00	21.1	51.0	24.90	26.1	51.6	27.59	24.4
1956	52.1	26.33	21.2	51.9	23.62	21.5	52.5	20.47	20.8
1957	50.5	33.18	37.2	50.5	31.58	32.4	51.4	36.13	27.3
1958	50.0	32.62	22.1	49.8	30.61	20.7	49.9	31.91	23.3
1959	50.1	39.28	33.4	50.0	42.63	38.2	50.7	42.47	40.7
1960	48.7	36.50	43.6	48.9	38.67	49.6	49.7	38.28	49.6
1961	49.4	40.21	44.0	49.6	43.09	40.6	50.6	40.69	31.8
1962	50.1	31.17	31.1	49.7	31.27	36.3	50.3	31.44	36.7
1963	51.5	28.46	28.7	50.7	27.78	28.8	51.0	28.45	28.4
1964	51.8	37.64	19.5	51.5	34.82	25.4	52.2	29.03	29.7
1965	50.3	41.05	30.3	50.0	39.26	32.4	50.8	46.06	31.9
1966	49.9	22.95	14.2	49.4	25.86	11.7	50.1	29.10	9.2
1967	50.1	32.56	14.6	50.0	33.82	12.5	50.3	39.30	21.1
1968	50.9	27.88	19.3	50.3	28.94	22.5	51.2	30.00	18.1

All 1968 averages are tentative and approximate.

IOWA TEMPERATURE & PRECIPITATION RECORD — 1873-1968

TEMPERATURE						PRECIPITATION					
Year	Average	Highest	Lowest	Average Total	Average Snowfall	Year	Average	Highest	Lowest	Average Total	Average Snowfall
1873	46.1	102	-38	33.92		1923	49.0	102	-23	29.50	36.3
1874	47.7	101	-24	30.76		1924	46.4	100	-36	31.39	37.2
1875	43.3	97	-31	35.83		1925	48.8	105	-25	28.24	29.2
1876	45.9	96	-28	36.65		1926	48.3	109	-22	33.07	27.8
1877	48.4	100	-31	35.16		1927	48.8	102	-27	29.35	17.9
1878	50.0	104	-13	34.53		1928	49.4	100	-20	35.96	22.5
1879	48.0	102	-35	28.23		1929	46.4	102	-35	30.20	41.8
1880	47.9	104	-25	30.95		1930	50.2	113	-37	26.10	23.6
1881	47.5	104	-40	44.16		1931	53.2	109	-15	35.37	23.7

**SUPERINTENDENT
STATE HISTORICAL SOCIETY OF IOWA
IOWA CITY, IOWA 52240**

GIFT MEMBERSHIP

I would like to give a GIFT MEMBERSHIP in the State Historical Society, Iowa City, Iowa, to the following:

The BONUS PACKET sent new GIFT MEMBERS by Jan. 1, 1969, includes:

The following issues of *The Palimpsest*:

Hoover in Iowa
Spirit Lake Massacre
The Amana Colonies
The Tama Powwow

During 1969 GIFT MEMBERS receive:

12 issues of *The Palimpsest*.
4 issues of *News For Members*.
Any other publications issued.

Name

Street & No.

City State Zip

Name

Street & No.

City State Zip

I ENCLOSE \$..... in payment of..... member(s).

Donor's Name

Street & No.

City State Zip

1909	47.4	103	-26	40.01	49.0	1959	48.0	100	-29	36.10	49.4
1910	48.6	108	-35	19.89	23.4	1960	47.0	101	-31	33.94	42.3
1911	49.5	111	-35	31.37	35.3	1961	47.8	104	-26	37.34	47.5
1912	46.3	104	-47	28.65	38.0	1962	47.7	99	-36	30.99	44.1
1913	49.7	108	-25	29.95	25.4	1963	48.8	104	-40	27.04	30.6
1914	49.1	109	-31	31.93	27.5	1964	49.7	106	-23	31.50	26.9
1915	47.8	99	-32	39.53	31.3	1965	47.7	103	-34	39.96	36.8
1916	47.2	106	-34	28.90	29.5	1966	47.5	105	-32	25.28	18.7
1917	44.8	106	-40	27.81	31.6	1967	47.7	104	-35	30.03	17.1
1918	49.2	113	-36	32.78	33.6	1968	48.8	100	-28	32.59	23.9
1919	48.6	104	-36	36.76	26.6	1969					
1920	48.2	102	-26	31.75	21.7	1970					
1921	52.2	104	-22	32.03	20.7	1971					
1922	50.2	104	-29	29.98	13.5	1972					

The bold face figures show the highest and lowest all-time temperatures and precipitation, and the highest and lowest average annual temperatures and snowfall for a single year. All 1968 averages are tentative and approximate.

Iowa Divisional Averages: Temperatures, Precipitation & Snowfalls
Annual 1928-68, incl. & Averages 1928-68.

Division	SW			SC			SE		
Year	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow	Temp.	Pcpn.	Snow
1928	51.5	35.38	23.0	51.0	38.14	17.9	51.4	42.66	13.5
1929	48.5	34.96	37.8	48.0	30.80	35.0	49.0	36.74	25.6
1930	52.5	24.19	19.7	51.8	26.67	23.0	52.3	29.38	25.4
1931	54.7	39.34	22.9	54.4	41.66	34.0	54.6	43.37	29.3
1932	50.1	35.96	37.6	50.0	34.48	31.9	50.8	38.23	25.3
1933	53.1	23.97	16.6	52.7	22.88	10.8	53.1	29.10	10.3
1934	54.2	20.86	19.8	53.7	25.26	30.4	53.8	28.68	28.2

PUBLICATIONS ISSUED BY THE SOCIETY IN 1968

1. Twelve Issues of *The Palimpsest*

January—Industries of Iowa—II

February—The Zebulon M. Pike Expedition

March—Strawberry Time

April—Girl's Basketball in Iowa

May—Centennial of Memorial Day

June—The North Iowa Band Festival

July—The Iowa Pioneers

August—A Prairie Boyhood

September—Gleanings of an Editor in 1858

October—Joliet and Marquette

November—Cartoons in Presidential Elections

December—Thanksgiving in Iowa

2. Petersen's *Steamboating on the Upper Mississippi*, 1968

3. Four issues of *News for Members*

1960	48.7	36.50	43.6	48.9	38.67	49.6	49.7	38.28	49.6
1961	49.4	40.21	44.0	49.6	43.09	40.6	50.6	40.69	31.8
1962	50.1	31.17	31.1	49.7	31.27	36.3	50.3	31.44	36.7
1963	51.5	28.46	28.7	50.7	27.78	28.8	51.0	28.45	28.4
1964	51.8	37.64	19.5	51.5	34.82	25.4	52.2	29.03	29.7
1965	50.3	41.05	30.3	50.0	39.26	32.4	50.8	46.06	31.9
1966	49.9	22.95	14.2	49.4	25.86	11.7	50.1	29.10	9.2
1967	50.1	32.56	14.6	50.0	33.82	12.5	50.3	39.30	21.1
1968	50.9	27.88	19.3	50.3	28.94	22.5	51.2	30.00	18.1

All 1968 averages are tentative and approximate.

IOWA TEMPERATURE & PRECIPITATION RECORD — 1873-1968

TEMPERATURE						PRECIPITATION					
Year	Average	Highest	Lowest	Average Total	Average Snowfall	Year	Average	Highest	Lowest	Average Total	Average Snowfall
1873	46.1	102	-38	33.92		1923	49.0	102	-23	29.50	36.3
1874	47.7	101	-24	30.76		1924	46.4	100	-36	31.39	37.2
1875	43.3	97	-31	35.83		1925	48.8	105	-25	28.24	29.2
1876	45.9	96	-28	36.65		1926	48.3	109	-22	33.07	27.8
1877	48.4	100	-31	35.16		1927	48.8	102	-27	29.35	17.9
1878	50.0	104	-13	34.53		1928	49.4	100	-20	35.96	22.5
1879	48.0	102	-35	28.23		1929	46.4	102	-35	30.20	41.8
1880	47.9	104	-25	30.95		1930	50.2	113	-37	26.10	23.6
1881	47.5	104	-40	44.16		1931	53.2	109	-15	35.37	23.7
1882	48.4	98	-33	33.40		1932	48.2	106	-27	32.28	38.5
1883	44.8	100	-38	34.54		1933	50.8	109	-31	24.94	18.4
1884	46.0	96	-38	35.59		1934	51.5	118	-25	26.85	27.2
1885	44.7	102	-42	32.23		1935	48.6	107	-30	33.16	24.0
1886	46.4	103	-34	24.71		1936	48.6	117	-35	26.00	48.9
1887	46.6	105	-34	26.31		1937	47.5	108	-30	27.60	35.8
1888	45.3	110	-43	31.44		1938	51.2	107	-25	36.29	24.9
1889	48.0	104	-28	24.95		1939	51.1	113	-23	25.16	34.1
1890	47.5	110	-27	29.48		1940	47.9	110	-32	30.66	46.4
1891	47.3	106	-31	32.90		1941	51.1	106	-18	36.84	31.9
1892	46.6	104	-38	36.58	34.2	1942	48.9	105	-36	32.63	32.3
1893	45.7	102	-36	27.59	37.2	1943	47.9	101	-31	31.20	26.1
1894	49.7	109	-37	21.94	19.2	1944	49.3	102	-30	37.26	32.9
1895	47.2	104	-33	26.77	26.0	1945	47.7	102	-26	34.60	39.8
1896	48.6	104	-20	37.23	22.6	1946	50.7	108	-27	35.15	17.9
1897	47.8	106	-30	26.98	38.8	1947	48.9	109	-30	35.23	33.7
1898	47.7	103	-25	31.34	40.3	1948	48.9	106	-30	28.33	33.8
1899	47.3	104	-40	28.68	23.4	1949	49.2	100	-31	28.06	27.1
1900	49.3	103	-27	35.05	25.8	1950	46.0	100	-36	29.12	36.9
1901	49.0	113	-31	24.41	38.5	1951	45.6	98	-43	42.22	53.2
1902	47.7	98	-31	43.82	28.0	1952	49.1	103	-29	31.67	39.5
1903	47.2	101	-27	35.39	19.4	1953	50.4	105	-24	25.87	24.7
1904	46.3	100	-32	28.51	29.2	1954	50.6	108	-26	34.42	19.5
1905	47.2	104	-41	36.56	38.3	1955	49.3	109	-26	22.77	25.1
1906	48.4	102	-32	31.60	32.8	1956	49.4	107	-27	24.14	27.7
1907	47.4	102	-31	31.61	24.0	1957	48.7	104	-31	31.57	33.6
1908	49.4	101	-18	35.09	22.7	1958	48.1	102	-34	25.58	19.9
1909	47.4	103	-26	40.01	49.0	1959	48.0	100	-29	36.10	49.4
1910	48.6	108	-35	19.89	23.4	1960	47.0	101	-31	33.94	42.3
1911	49.5	111	-35	31.37	35.3	1961	47.8	104	-26	37.34	47.5
1912	46.3	104	-47	28.65	38.0	1962	47.7	99	-36	30.99	44.1
1913	49.7	108	-25	29.95	25.4	1963	48.8	104	-40	27.04	30.6
1914	49.1	109	-31	31.93	27.5	1964	49.7	106	-23	31.50	26.9
1915	47.8	99	-32	39.53	31.3	1965	47.7	103	-34	39.96	36.8
1916	47.2	106	-34	28.90	29.5	1966	47.5	105	-32	25.28	18.7
1917	44.8	106	-40	27.81	31.6	1967	47.7	104	-35	30.03	17.1
1918	49.2	113	-36	32.78	33.6	1968	48.8	100	-28	32.59	23.9
1919	48.6	104	-36	36.76	26.6	1969					
1920	48.2	102	-26	31.75	21.7	1970					
1921	52.2	104	-22	32.03	20.7	1971					
1922	50.2	104	-29	29.98	13.5	1972					

The **bold face figures** show the highest and lowest all-time temperatures and precipitation, and the highest and lowest average annual temperatures and snowfall for a single year. All 1968 averages are tentative and approximate.

1970

JANUARY							MAY							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3						1	2			1	2	3	4	5
4	5	6	7	8	9	10	3	4	5	6	7	8	9	6	7	8	9	10	11	12
11	12	13	14	15	16	17	10	11	12	13	14	15	16	13	14	15	16	17	18	19
18	19	20	21	22	23	24	17	18	19	20	21	22	23	20	21	22	23	24	25	26
25	26	27	28	29	30	31	24	25	26	27	28	29	30	27	28	29	30			
							31													
FEBRUARY							JUNE							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7		1	2	3	4	5	6					1	2	3
8	9	10	11	12	13	14	7	8	9	10	11	12	13	4	5	6	7	8	9	10
15	16	17	18	19	20	21	14	15	16	17	18	19	20	11	12	13	14	15	16	17
22	23	24	25	26	27	28	21	22	23	24	25	26	27	18	19	20	21	22	23	24
							28	29	30					25	26	27	28	29	30	31
MARCH							JULY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4	1	2	3	4	5	6	7
8	9	10	11	12	13	14	5	6	7	8	9	10	11	8	9	10	11	12	13	14
15	16	17	18	19	20	21	12	13	14	15	16	17	18	15	16	17	18	19	20	21
22	23	24	25	26	27	28	19	20	21	22	23	24	25	22	23	24	25	26	27	28
29	30	31					26	27	28	29	30	31		29	30					
APRIL							AUGUST							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3							1			1	2	3	4	5
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26
26	27	28	29	30			23	24	25	26	27	28	29	27	28	29	30	31		
							30	31												

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JANUARY							MAY							SEPTEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1			1	2	3	4	5	6						1	2
2	3	4	5	6	7	8	7	8	9	10	11	12	13		3	4	5	6	7	8	9
9	10	11	12	13	14	15	14	15	16	17	18	19	20		10	11	12	13	14	15	16
16	17	18	19	20	21	22	21	22	23	24	25	26	27		17	18	19	20	21	22	23
23	24	25	26	27	28	29	28	29	30	31					24	25	26	27	28	29	30
30	31																				
FEBRUARY							JUNE							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4					1	2	3	1	2	3	4	5	6	7	
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	
27	28	29					25	26	27	28	29	30		29	30	31					
MARCH							JULY							NOVEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4						1					1	2	3	4	
5	6	7	8	9	10	11	2	3	4	5	6	7	8	5	6	7	8	9	10	11	
12	13	14	15	16	17	18	9	10	11	12	13	14	15	12	13	14	15	16	17	18	
19	20	21	22	23	24	25	16	17	18	19	20	21	22	19	20	21	22	23	24	25	
26	27	28	29	30	31		23	24	25	26	27	28	29	26	27	28	29	30			
							30	31													
APRIL							AUGUST							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1				1	2	3	4	5						1	2
2	3	4	5	6	7	8	6	7	8	9	10	11	12		3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19		10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26		17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	29	30	31				24	25	26	27	28	29	30
30															31						

1971

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

1973

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3 4 5	1
7 8 9 10 11 12 13	6 7 8 9 10 11 12	2 3 4 5 6 7 8
14 15 16 17 18 19 20	13 14 15 16 17 18 19	9 10 11 12 13 14 15
21 22 23 24 25 26 27	20 21 22 23 24 25 26	16 17 18 19 20 21 22
28 29 30 31	27 28 29 30 31	23 24 25 26 27 28 29
		30
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1 2	1 2 3 4 5 6
4 5 6 7 8 9 10	3 4 5 6 7 8 9	7 8 9 10 11 12 13
11 12 13 14 15 16 17	10 11 12 13 14 15 16	14 15 16 17 18 19 20
18 19 20 21 22 23 24	17 18 19 20 21 22 23	21 22 23 24 25 26 27
25 26 27 28	24 25 26 27 28 29 30	28 29 30 31
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1 2 3 4 5 6 7	1 2 3
4 5 6 7 8 9 10	8 9 10 11 12 13 14	4 5 6 7 8 9 10
11 12 13 14 15 16 17	15 16 17 18 19 20 21	11 12 13 14 15 16 17
18 19 20 21 22 23 24	22 23 24 25 26 27 28	18 19 20 21 22 23 24
25 26 27 28 29 30 31	29 30 31	25 26 27 28 29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4	1
8 9 10 11 12 13 14	5 6 7 8 9 10 11	2 3 4 5 6 7 8
15 16 17 18 19 20 21	12 13 14 15 16 17 18	9 10 11 12 13 14 15
22 23 24 25 26 27 28	19 20 21 22 23 24 25	16 17 18 19 20 21 22
29 30	26 27 28 29 30 31	23 24 25 26 27 28 29
		30 31