

1950

March came in with wind and cold. Horned Lark Feb. 13, Red-winged Blackbird Feb. 19.

March 5-6 Very complete thaw with much flooding of low lands than in 1949. Snow completely melted on main lawn on campus. Thawed to about $1\frac{1}{2}$ ".

March 7. Big blizzard with very high winds and snow. Traffic tied up badly and winter back again.

March 15. Still winter - saw first meadow lark and small group of juncos.

March 21. Spring came in with another snow storm.

March 22-23. Considerable thawing, ground still covered with snow generally.

Winter again until March 26.

1920
 March 26-27. Snow, hail, rain
 and lightning - miserable.
 Floods greater than ever, nearly
 all snow on the level gone.

March 28-29. Even the frozen
 with min. of 19° F. Hebd
 Killdeers singing.

March 30 Frost out of ground to
 depth of 6-10". Raining coming
 in force. Snow common.
 Evening Grosbeaks still very
 much in evidence. Silt snow
 on north exposure and drifted
 spots. Water going out of flood
 ponds fast.

April 2 Willow & Aspen in bloom
 April 1-4. Intermittent snow,
 thawing & freezing - little
 actual. Evening grosbeaks
 still common on Roswell.

April 5. First snow for several
 days. Snowing night before.
Elderberry buds breaking.

April 7. Temp. about 55 at noon
 and down to about 20 by midnight
 April 8. Wind and about freezing all
 day - what a spring.

April 8-14. Sequence of rain,
snow, sleet followed by
temperatures as low as 10 degrees
for two nights. Frost froze
hard at surface again!

April 15. Spring back with
temp. in 50's. Heard a
bluebird, mourning dove and
flicker. juncos abd.
— 1-2 song —

April 16. Much warmer — above
60. Bees flying and lots
of activity.
Bloodroots — no shoots yet,
possibly because earlier hard freeze.

April 17.
Soft Maple — in bloom, bees
working them hard — Temp.
in 60's.
Clematis leaves unfolding showing
flower buds.
Heavy flight of spring cankerworm
starting.
Elm buds (flowers) greatly
swollen and cracking at tips.

April 18-24. Apparently clean
and cold and dry & cold
now actually

April 25-26. Cold with
snow. Temp near 20°F
note of the 25th
northern floods most destructive
in years.

April 28. Snow and cold -
hermit thrushes and cedar
was wing on cranberry in back
yard - 1-2 sparrows common.

April 30. Snow all over - looks
like winter. Temp. in low
 40°s during day.

Colest April for many years.

May 2. First sign of blood root
tips - still out cold side

May 3. Temp in 50° for first
time for several weeks. Head
Down Thrasher.

May 4. Temp. up to 60°
Clear in bloom but scale
falling fast.

May 5. Ice has risen,
~~St. Louis~~ - some
 flooding.

May 7. Still cool and damp.
 Saw B & W, myrtle and magnolia warblers.
 Lilac buds opening at last.
 warblers + white throats common

May 10. First real spring day.
 Leaves breaking on holly suckler.
 Dogwoods in bloom.

May 11. still warmer, with temp
 above 70. Everything buzzing.
 Weeds buds beginning to
 separate - not left top yet.
 Blood roots in bloom.

May 12. High 70's everything
 breaking.

Lilac. Leaf buds up at, flower
 buds showing

Elm - leaf ^{buds} greatly swollen

Willow leaves out, trees
 look green.
 over

May 12 cont.

Maple flowers in bloom.
Hoped ash with leaves breaking
W. Birch, buds greatly swollen
and cracking at tip?

First lawn mowing.

May 14. ~~96~~

Norway maple in bloom

Soft maple, leaves breaking out.

Leaves out on aspen not flowering

Burr oak, leaves breaking,
flowers showing.

Elm buds show with few green.

May 16.

Wick leaves coming out.

Warbler migrator going
full bloom.

May 18.

Norway Maple - in full flower
 Ash leaves breaking out and
 in flower.

Ornamental plums in bloom

Aspen leaf starts about to
 separate on flowering trees.

Yellow bell in bloom at
 home.

Nanking cherries in pink bud
 stage.

Wenths in ^{tight} clusters bud stage.

May 20. Nanking cherries in
 bloom.

Saw first June beetles.

May 21. Aspen leaves breaking.
 Shoko cher in bloom
 Everything getting green except.

Cher leaves forming.

Elderberry in bloom.

May 22. Still warm, things
starting to burst.

Trillium with one bloom at home.

Pink Stage on Wealdy.

Flowers almost starting to
bloom.

Tulips starting bloom.

Caterpillars - fall - hatching

Hops crest in full peak.

May 23. Temperature in high
80's

Commercial plum in bloom.

Flowers almost in full bloom

Basswood leaves breaking out

Spine cups coming off.

May 26. Still warm.

Hopa Crab just starting to bloom

Lilac - buds colored but no florets out.

Young robins common now.

May 27.

Hopa in full bloom.

Cereus bursting.

Tulips still in full flower.

Callumbine bloom, at home.

May 28. Lilacs starting to bloom

Home garden with buds showing some color.

Horsechestnut + Goutan ash with buds nearly open.

May 30. Lilac ^{nearly} in full bloom

Wentz still in full bloom.

May 31. Consider lilacs in
full bloom.

Hone suckle buds well colored.
Petal fall just starting in
1 Hpa Crab.

1 Horsechestnut in bloom.

June 4.
Early Peonies in bloom.

Lilacs still wonderful.
Hone suckle starts to
bloom.
Mountain ash in bloom.

Tulips still look good.

June 6.
Wealthy - petal fall.

Spiraea starting to bloom.

Very heavy fall of elm seeds.

June 7. Iris coming into
bloom - Lilacs are truly
starting to go. Some tulips
still beautiful.

June 7. Cont. Bridal wreath
near full bloom.

Campanula rarin heavy
defoliation now. North
of the island.

BOX SCORE, 1950 WEATHER

Month	High	Low	Ave.	Norm. Ave.	Pcpt.	Norm. Pcpt.	Snow	Norm. Snow
Jan.	39	-25	7.1	12.6	1.42	.92	15.9	8.9
Feb.	38	-18	16.2	15.8	.70	.92	7.5	7.9
Mar.	46	-12	23.8	29.1	3.02	1.43	11.2	8.1
Apr.	69	17	37.1	45.6	2.65	2.35	2.4	3.4
May	88	30	56.1	57.9	3.47	3.27	.....	.....
June	95	44	68.4	67.1	1.54	4.14	.....	.....
July	90	50	70.6	72.1	4.04	3.57	.....	.....
Aug.	97	39	67.5	69.4	1.86	3.01	.....	.....
Sept.	83	35	62.4	61.3	1.77	3.07	.....	.....
Oct.	87	28	53.8	48.6	1.49	2.20	.....	5.0
Nov.	60	-3	28	32.5	.73	1.30	4.3	4.6
Dec.	30	-24	12.6	19	1.75	1.06	22.8	7.2
Totals	42	44.25	24.46	27.24	34.1	39.7

Abbreviations: Ave.—Average; Norm.—normal; Pcpt.—Precipitation.

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1951

1951

Saw horned larks about Feb. 12

Week of Feb. 18 with temp. near
or above freezing every day.

Feb. 24. First heavy thaw with
water gushing down the streets.
Rain at night continuing as
intermittent rain on the 25th

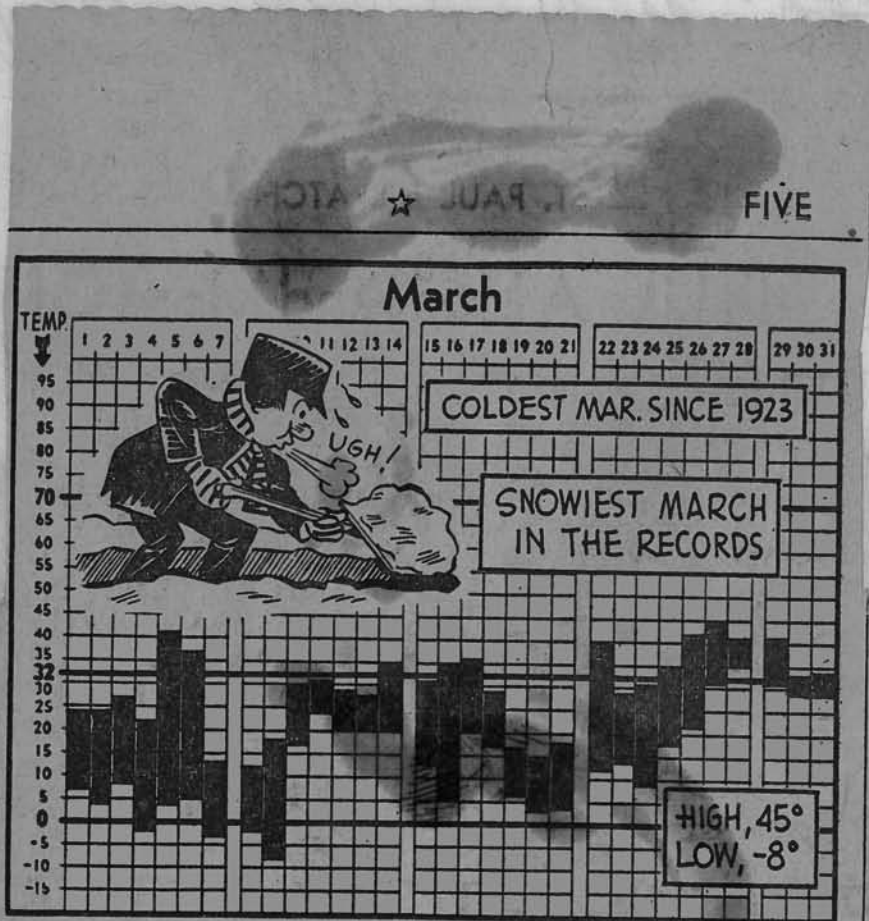
Feb. 25-26. Rapid thawing rapidly.
No evidence of frost in upper 7-10"
on lawn West of Coffey Hall.

Feb. 28. Winter back fast with blizzard
conditions - heavy snow.

March 2-3 Another blizzard with
more snow, ca. 18", followed by
cold.

March 7. Soil temp at 2" falling
faster than on 1 time before this
winter because snow has melted
down and recompact.

March 10-11 Heavy snow.
about 67" has fallen this
winter so far



RECORD BREAKER — March delivered to St. Paul the greatest amount of snow in history for that month. It also was the coldest March since 1923. Snowfall measured 38.3 inches, exceeding the previous March high of 26.3 inches in 1899. Precipitation measured 3.30 inches—1.87 inches above normal and the second highest on record. In March, 1949, precipitation totaled 3.34 inches. Average temperature last month was 21.6 degrees, or 7.5 degrees below normal. The coldest previous March average was 21 degrees in 1923. Lowest official March average on record was 17.4 degrees in 1899, although unofficial figures show an average of 4.7 degrees was recorded in March, 1843. Snow fell on 19 days last month. The heaviest 24-hour snowfall was 10.5 inches on March 17-18.—Dispatch Chart by John H. Riddell.

1621

March 16. Some thaws — have

1621

March 16. Some thaws - have
near record fall of snow for
the winter so far

March 18 about 10" snow, record
for St. Paul exceeded

March 21-22 zero temperatures

March 23. More snow
" 25. " 6" snow - record
over 81" for water.

March 24. Thawing started with
flood of water but little increase
in pile of snow.

March 27. Big Thaw on now
in earnest. Light rain at
Temp. in 40's making snow
shrink at least.

March 30. Light snow in flurries.

April

April 4. Snow gone except where
piled in drifts and in shaded
areas. Probably would have disappeared
soon if there had not been so
much. Ground not frozen

April Cont.

April 4. Cont. Water went into the ground fast with a minimum of runoff & flooding. Nothing like 1950.

Aspen with flower buds in primary willow stage.

Saw robins in the yard.

April 6. Saw meadowlark & Red-winged black birds.

April 9. Killdeers squawking & juncos trilling commonly in back lot.

April 11. Elderberry with buds greatly smaller but not burst open. Aspen with catkins beginning to push but still mostly from stage.

April 12-16. Cold, rain or snow, freezing on 15 & 16, no change in field picture! What, no spring?

April 18 Elderberry buds opening head morning done.

April 19. Bloodroot steps thru ground.

April 23. 2 ab cankerworm
 moths abd. at back door for
 first time. Temp singing

April 24. Soft 24 ofc in bloom.
 Bees flying

April 25 Bees buzzing all
 over campus, first really
 warm day.
Elderberry leaf expands with
 flower buds showing

April 27. Tamarack buds
 green

April 28. Everything bursting
 Temp. in high 70's

Elm in bloom

Lilac buds opening

Honeysuckle buds open

April 29. Bloodroot in bloom

Apple buds swollen & fuzzy

May 2. Apple green tip stage
Lilac flower buds showing

May 4. Birch leaf tips
breaking.

May 6. Elm leaf buds
breaking. Flowering Plum
in bloom

May 8. Ash leaves breaking.
Wealth in cluster bud
stage. Aspen buds open.
Hops crab showing slight
pink. Flowering almond
in bloom.

Yellow bells starting to
bloom

Nanking cherries starting to
bloom.

Nowy Maff in bloom

May 9. Elm leaves unfolding.

Wealth buds expanding +
showing a little color.

Elderberry flower buds nearly
ready to break.

Note

Forest tent caterpillar hatching
at Tracy Park + Lake Geneva,
and Walker on May 2.
Alder buds with leaf tips barely
separated but greatly swollen!

Hepatica in bloom
Lilacs with buds open.

May 10.

✓ Basswood leaves breaking out

May 11. Elderberry in bloom

✓ Plums starting to bloom
Tribunin in bloom

May 12. Even the flowers
open and green. Hops in
pink stage.

May 14. Wealthy Pink
Stage

May 13 Warble migration
on with Tennessee,
Whistle Yellow & House
wren, vs. exuberant.

May 16. Hops crab in
bloom - Wealthy with
center bloom open.

1952

Feb. 8 - Saw hooded lark.
 March 10 First general thaw with
 much water running and starting -
 Thawing had occurred in February, only
 to be followed by snow and low temp.

Intermittent thaw + freeze with lows
 in 20° or below for remainder of
 week.

Spring? got a real set back.
 On March 15 + 16 about 15"
 of snow with lots of drifting and cold
 temp. gave us the season's worst
 blizzard.

March 29. Temp in high 40° -
 Snow going fast - real honest to
 goodness thaw. Water everywhere
 March 30. Temp. up to 50. still
 more water. Robins common today
 juncos singing all over the place.
 Saw 2 yellow Larks, Killdeers,
 Golden Crowled Kinglets and
 Bohemian Wax wings.

March 31 Test ground for frost
 about first 1/2 inch strand -
 Snow nearly gone - rare.

1225
 April 1. Spring-like day with sun
 and lakes everywhere.

Snow gone now except in areas
 where there were drifts and on
 north exposures.

Saw Purple Grackle, and gulls. First
 grackles to appear in our yard.

April 2. Ground thawed 2-4"
 Curpan flowers in Perry Willow
 Stage

April 4. Colder - more light snow
 Saw 21 morning Dove and Hermit
 thrush.

April 8. Elderberry buds opening.
 Temp in 60's on both 7 & 8.
 Frogs starting to sing.

April 9+10. Winter again, snow
 and temp below freezing - no
 activity.
 Soft maple buds greatly swollen
 but still tight

April 11. A lot of red tips showing
 a little warmer

April 12-13. Birds showing up faster
now. We still see the lakes
but Bluebills, an occasional
loon, and Mergansers are in evidence.
Saw a Nighthawk.

Still some snow in north
exposures.

April 14. Soft maple buds beginning
to open - stamens visible.

April 15 Soft Maple in bloom -
bees working the flower head.

April 17. Hepatica in bloom at
home. Elm flower buds
with stamens starting to
protrude - warm with season
moving ahead fast.

April 18. Elm in bloom
Lilac buds greatly swollen -
Honeysuckle buds elongated and
about ready to pop.

April 19. High 70's Lilac leaf
tips breaking, also Box elder
pedicel roots in bloom
Elm trees show brown coat.

April 20 - Summer weather -
 get yard all cleared up.
 Temp about 80 or a little
 above.

Have much leaves out.
 Wealth with buds separate.
 Aphids sitting on opening buds.
 Mountain ash buds greatly
 swollen.

April 21. Rain
 Wealth leaf top stage.
 Elm buds swelling.

1953

- February 8 Saw first horned lark.
- February 14 " " crows.
- March 1. Temp. in 20^s heavy cover of snow following Feb storm.
- March 9, 10, 11 First real thaw with water running & standing.
- Saw ~~redwing~~ Bohemian waxwings on the 10th.
- Redpolls common from 5 - 11th.
- March 12-16 cold again with below freezing Temp. Saw snow.
- March 17. Thaw continued - saw first robin.
- March 18. Temp. low 50's - snow gone except on north slopes & drifts. Water running. Saw redwing blackbirds in abundance. Flicker active on house.
- Temp level down about 1"

1023

1953

- March 19. Frost out of ground below 3" level. Aspen catkins bursting out.
- March 20. Elderberry buds showing slight swelling. Saw meadow lark + Killdeer. Robins becoming abundant. A.J. Hummer nest out. Flocks of juncos.
- March 21. Heavy electrical storm with drenching rain & hail.
- March 22. Beautiful spring day. -
- March 23 & 24. Winter returned blowing snow and temperatures as low as 20° F.
- March 26. Temp in low 50's - saw first flight of Spring Cantabrian during the evening.
- March 27. Heard mourning dove for first time - Temp. again approaching 50. - above 50. Elderberry buds not open yet.

March 28-31.

Temperature ranging between freezing and low 50's, little change.

We went out of ~~large~~ ^{small} ponds. on
Saw Hermit Thrush on March 29.

April 1. One or two elderberry buds
starting to open - ice out of
large ponds but still in lakes.

April 2 Elderberry buds open,
Bloodroot tips showing through
ground.

April 3. Temp. a little above freezing
mixture of rain and some
sleet.

April 4-6. Temp up to 50 or
a little better than 50 at
night - change very slow.

April 6 Soft maple in bloom,
bees working it.

Columbine starts to push up
in garden, buds of Hepatica
forming.

Willow flower buds greatly
swollen.

April 7-9 - Cool and steady light rain.
 Elm flower buds about ready to break. Trees beginning to appear brown.

April 10-13 continued cool - water freezing at night. Frogs singing on night of 13th.

April 14. Better day -
 Elm flower buds separating already to blow open, stamens protruding.
 Hepatica buds separating, a little color visible.

April 15 - Dross what a snow storm, weather showed up again.

April 16-18 Cold - temp down below 20°F at night + record cold for this time of year.

April 19. Temperature into 50's
 Spring back again.
 Elm flowers out in nearly full bloom.

April 21 Still warmer -
 Elm in full bloom - Hepatica
 starting to bloom at home
 Yellow bells pushing through.

April 22 Temp. about 70.
 Lilac about ready - Honeysuckle
 and Alpine current leaf buds breaking.

23 Temp. about 70. Lilac buds
 breaking - first bloom of
 bloodroot at home

24-30 Cool with wind and rain -
 everything standing quite still.

Yellow lily slippers showing thru
 the ground down to the 24th. Hepa
 and leaf top. in air April with 4.5
 May 2. ~~degrees~~ degrees below normal.

First warm day with things
 popping again. Apple almost at
 green tip stage. Am 1. ash
 with buds greatly swell.

White-throated Sparrows

May 3. Apple in green tip stage.
 First sign of anemone in
 bloom. Bloodroot at peak.

May 4 Elm - bud white

May 4. Willow leaves breaking
 Elderberry flower buds well
 formed.

May 5

Birch buds greatly swollen -
 leaf tips beginning to separate.
 Osage wood buds showing some swelling
 aspen buds greatly swollen
 Horn oak leaves pinky red
 Soft maple buds breaking open

May 6. Everything starting to
 pop now. Violets starting to
 show.

May 7.

Hawking cherries starting to
 bloom
 Dullage starts to bloom
 Wealthy in cluster bud stage

May 8. Trillium with buds
 starting to show white

May 6-8 (other records see
 chart.

May 9.

Found tent caterpillars at home molting to 2nd instar

Bellwort in full bloom

Hops at home in full pink stage

Wealthy offe in center pink stage

Elderberry stalked but no bloom yet.

May 10.

Wealthy pink but stage —

Sprayed tree at home —

killed forest tent caterpillar —

2nd instar.

Trillium in full bloom today.

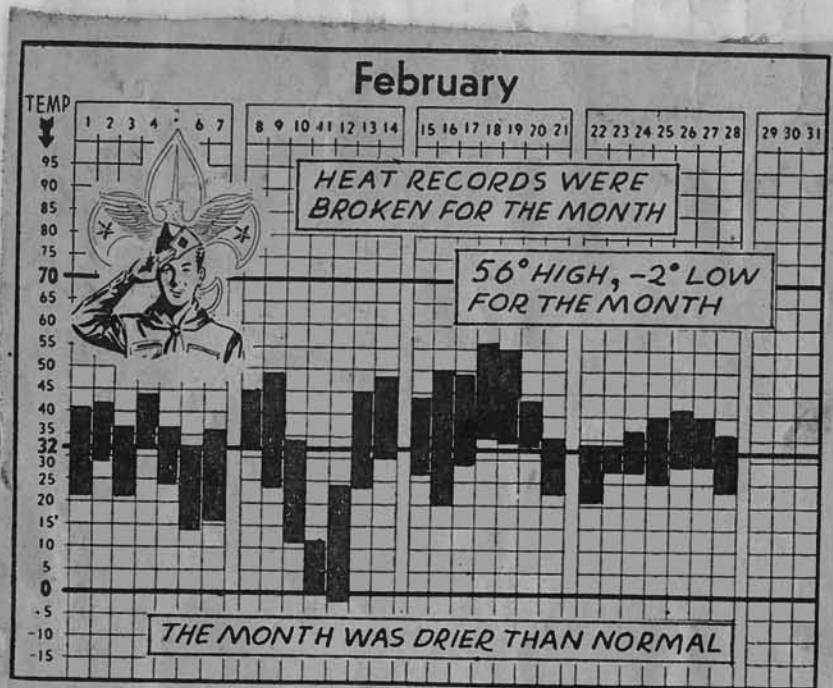
Hops at home about ready to bloom — very full pink stage.

May 10

Plum in bloom!

Elderberry starting to bloom.

- May 11. Cooler. Forest tent caterpillars in 2nd instar at home.
- May 12.-13. Very cold - temp down to 27-29°F in Twin Cities, down to 22 in Denvidge. Ice in bird bath morning of the 13th. Ash leaves frozen, some chrysanthemum frosted. Not much frost injury in general.
- May 14. Everything starting still, temp in 40's
- May 15. Warmer, Hop + Albany buds about ready to bloom.
- May 17. Warm day. Weevil elita buds open. Hop just starting to bloom. Honey suckle with buds colored. Plums starting to fade, some petal fall. Forest tent caterpillars in 3rd instar.
- May 18. Weevil starts to bloom
- May 19-22 All apples in full bloom - beautiful.
- May 23. Honey suckle starts to bloom



February was warmer and drier than normal but it missed setting an all-time high temperature record by .2 degree. Monthly average temperature was 31.8 degrees or 13.6 degrees above normal. February, 1931, holds the all-time high record with an average of 32 degrees for the entire month. Heat records were set on three days and tied on two others. Records were set on the 9th with 48 degrees compared with 45 degrees in 1907; the 18th with 56 degrees, compared with 53 in 1913, and the 19th with 55 degrees, compared with 54 in 1930. Records were tied on the 14th and 17th. Precipitation for the month was .32 of an inch, .57 inch below normal.—Dispatch Chart.

1954

1954

First general thaw started on
February 1st with temp above
40° F. Thaw continued -

Feb. 3. All snow gone in open - still
present on north slopes and in
protected places.

Feb. 18 - Temp in 50^s about 57° F
snow gone all home north of house where
it usually hangs on.

Feb 15

A few buds in pussy willow stage

Feb 15

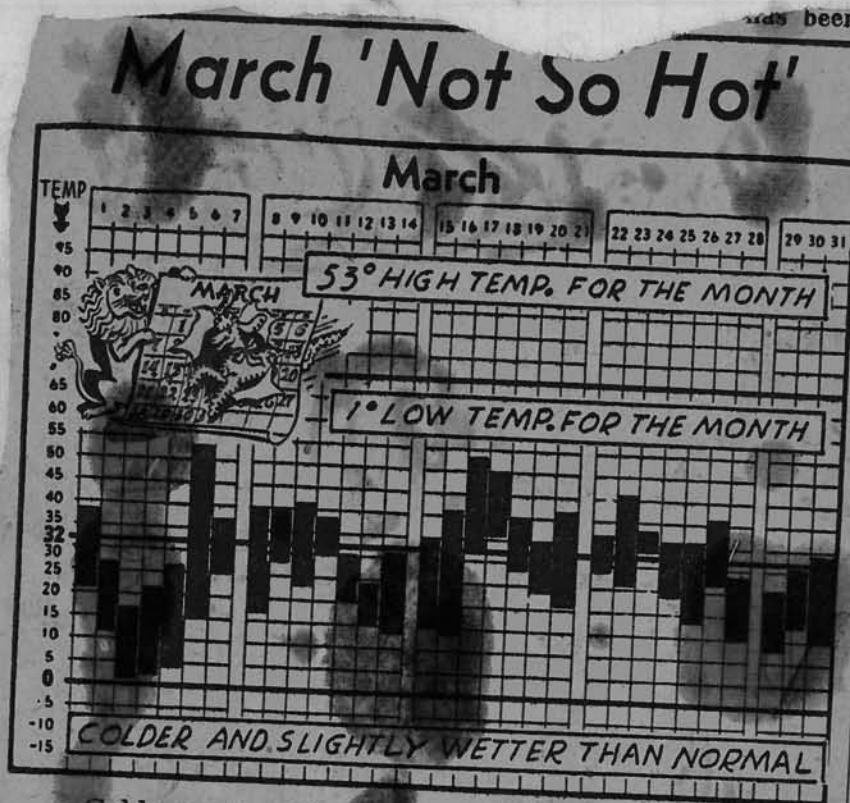
Feb. 18. Elderberry buds showing signs
of swelling.

March

No snow anywhere - still cold
enough to prevent plant change.

March 9 Light snow during the
night. All gone by March 11.
Elderberry buds still only swollen.

March 12. Snow and high winds



Colder and wetter than normal was the month of March just ended, government weather bureau observers reported today. The temperature for the month averaged 27.9, just 3 degrees below normal—and nearly 3 degrees colder than was February, when St. Paul had unusual warmth. The average set no records—the warmest March was in 1910, when a 45 average was set, the coldest in 1951 with 21.1. Highest temperature for the month was 53 on the 6th, when a new daily record was set, and the 17th, the lowest 1 above zero on the 3d. Precipitation totaled 2.10 inches, .62 inch above normal. Heaviest daily precipitation was the 12th, when .66 inch of moisture came in the form of 6.4 inches of snow. Total snow for the month was 10.7 inches, a little above the normal of 8.8 inches, but far below the record March snowfall of 40 inches in 1951. Highest wind was 46 miles per hour the 12th. Unusual phenomena recorded were two thunderstorms, on the 12th and 25th, and hail on the 25th. Degree days totaled 1,145, 88 more than normal, but the season total for the year still is way low, 6,276 or 668 below normal.—Dispatch Chart.

March 12-13 Real blizzard with
about 8 inch of snow.

March 12-13 Real blizzard with
about 8 inches of snow.

March 13-16 Cold with temp below
20° at nite.

March 17. Warm day most of
snow gone with ponds filling fast.
Smith's flooded again.

March 18 Snow again.

March 19 Saw first robin in yard

March 20. First few red-wing
blackbirds seen swamps and
Victoria - 2-5 birds in each
area observed. Continued cool.

March 23. First Grackles in yard.
First meadowlark seen

March 27 Heard a hill deer.

28-31 Cold again below freezing
all day

March 30 Saw first mourning dove
in yard.

April

- 2-3 Cold - Temp down below
10° F. A. J. returned home
from Hospital on April 3.
- April 5. Temp in 60° for first
time. Bees moving
- April 6. Warm again. Temp in 77 F
Elderberry leaves breaking
Soft maple blooming - bees
working the flowers. one early tree
- April 7. Soft maple in full bloom
- April 8. Temp down to about
20° F in morning - cold again
- April 12 + 13. Bloodroot tips coming
through.
- April 11 - Ducks in large raft on
lake. Saw yellow-bellied
S of meadow, junco in abd.
Hermit thrush, Goldfinch.
- April 19. ~~Hot~~ Warmer - Elm
in bloom, Tamarac buds
green.

April 12 cont. Hepatica flower
buds showing,

April 14. Heat wave - temp up
to 84°F especially.
Lilac buds breaking. Columbine
showing at home.

April 16 Hepatica in bloom.

April 22 Fowl tree starts to bud (St. Paul)

April 23. Lilac flower buds showing
Violets below kitchen window in bloom.

April 25 Down oak leaves out.

Yellow bells pushing through at
home - Anemones starting to
bloom. Wealthy in tight cluster.

Bud stage. Everything green all over.

April 26 Elm buds showing white
from the ground. Manzanilla
cherries with flower buds showing
white. Good rain. Trillium

at home coming thru. Soft maple leaves breaking.

April 27. Horsechestnut leaves

breaking out at Knutson's also
mountain ash at Knutson's Mt.

ash at home with buds nearly ready
to break. First two or three
flowers on Nanking cherries opening.

April 30 & May 1 Cold rain.

May 2. Cold rain turning to snow.

May 3. Near blizzard conditions -
temp down to 25°F with
wind driven snow. Wind a
spring.

May 4-9 Cold and rain
no change.

May 10. Marking cherries in full
bloom -
1 tree red in pink but staying
back in the purple flushing up.
also Clintonia

May 11. Weeds showing slight
pink on center bud.
Elm leaves finally leafing
out. White throats showing up.

May 12. Hard maple leafing out
Mt. Ash at home leafing out.

May 14. Weather in pink
stages. Plums in bloom

Alfa - few flowers open

May 19. Alfa not in full
bloom

May 20. No pine needle scale
hatch - No tussock moth
hatch. Lilac nearly ready to
start bloom

May 23. Alfa not petal fall -
plums petal fall. Honeysuckle
starting to bloom

May 25 Lilacs full bloom
Pine needle scale hatching

Day Degree 46° thresh.	343	1953
	353	1954

1955

- February 11 Horned Larks.
- March 1 Tree sparrows in yard
- March 4 Bohemian wax wings
in yard.
- March 9. Several thrush -
rivers + parks.
- March 11. Aspen begin to show
green willow stage.
- March 16 ~~Aspen~~ Aspen in bloom - Pure stage
- Winter back again with T near zero
on Friday March 25 and 5 on
March 26. Soil Temp at 2"
down to about 22° F. T near
zero because of very light snow
cover.
- March 14 Red-wing black birds
back in numbers.
- March 18 Robins, T wax wing

March 30 Temp. above 50°F, first warm day for some time

March 31. Temp. above 60°F, elderberry buds swollen. Robin common juncos showing up in numbers. Veal children. Shrikes seen for first time in back yard.
Blood root taps coming through.
Saw mourning dove. Bees flying

April 1.

Elderberry buds breaking open
Soft maple greatly swollen but not open yet. Temp. above 60 again

April 3. Soft maple in bloom -
Sawp showing up in open water.
Ice out of small ponds but still covering larger ponds + lake

April 4. Saw Mallard + Teal in Cleveland ponds. Elm buds swollen but still light

April 7. Elderberry flower buds up.
Whistler, Swan at County Rd. C + Cleveland

April 8. Tamarack buds swollen but no green yet. Temp nearly 70.

April 10 Elm in full bloom
 Dogwood leaf buds beginning to break
 April 12 Lilac leaf buds opening.
 Blackberries blooming.

April 13. Apple in green tight stage
 Lilac flower buds showing
 1 + yucca starting to bloom
 at home.

April 15. Everything beginning to
 swell.
 Blackberries in full bloom.
 Dogwood buds swelling and
 Elm with buds appearing
 white from ground.

~~Blackberries in full bloom~~ ^{East side of yard}
 April 16. Yellow bells breaking thru

April 16-17 Everything begins to move.
 Mountain ash, Horsechestnut,
 Soft maple. Leaves all breaking

April 17 Dogwood leaves break,
 Anemones starting to bloom.

April 19 Green oak leaves break.

April 20 Elm leaves breaking
 Weeds in cluster buds
 Dogwood nearly in pink.

April 22 Nanking cherry starting
to bloom. Violets near kitchen
window starting to bloom

April 24. Nanking cherry in full
bloom.

Wearth - center bud pink
F-out tent caterpillar starting
to hatch on campus.

Saw first hermit butterfly in
yard. No white throats, sparrows, etc.

April 25. Even the heffering
yellow bells in bloom
Flax starting to bloom

Trillium buds showing white

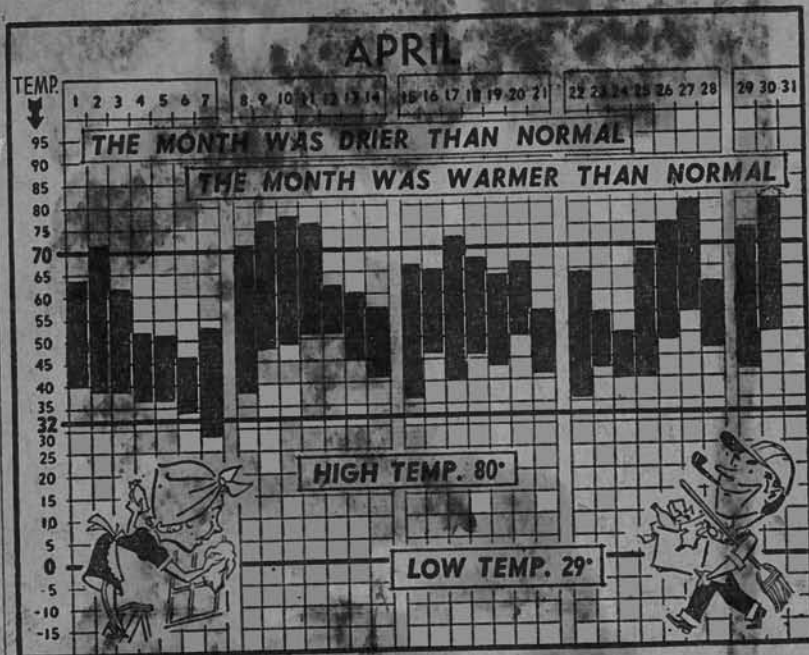
Underwood plum starts to bloom

* FTC. about molt to 2nd instar

April 28. Plum in full bloom
Mout Royal starting to bloom

April 30. Wearth just starting to
bloom - no flower buds seen
on slope yet but about ready.

Warmest In 40 Years



Last month was the warmest April in 40 years and the second warmest in 65, the weather bureau reported today. Although there were no extremely high temperatures—top was 80 degrees on the 27th and 30th—the mean temperature was above normal on 25 of 30 days of the month. The month's average temperature was 53.9 degrees, or 7.9 degrees above normal. April was also a dry month with precipitation totaling .92 of an inch which is .99 of an inch below normal. Since 1930, Aprils in 1946 and 1952 produced less precipitation. Most precipitation, .38 inch, fell on April 4. A little hail fell that day, too, according to the weather bureau. April's precipitation brought the total for the year to 3.45 inches, least since the same period in 1943 when only 3.27 inches occurred. There were 262 hours and six minutes of sunshine last month—65 per cent of the possible total. Lowest temperature recorded was 29 degrees on April 7.—Staff Chart.

Mar 2. Temp. above 90.

May 2. Temp above 90.
Lilac starting to bloom

May 4. Honeywell coming into
bloom
Lilac almost full bloom.

May 8.

Apple petal fall.

May 11. Yellow lady slipper
starts to bloom at home.

May 11. Ash coming into bloom at home.

May 13. Christonia starts to
bloom. Lady slipper in
full bloom.

Wig in full bud but no color
Painted daisy just starts to
come into full bloom - one plant.
Lilac not faded completely but
nearly there.

Honeywell still looks good.

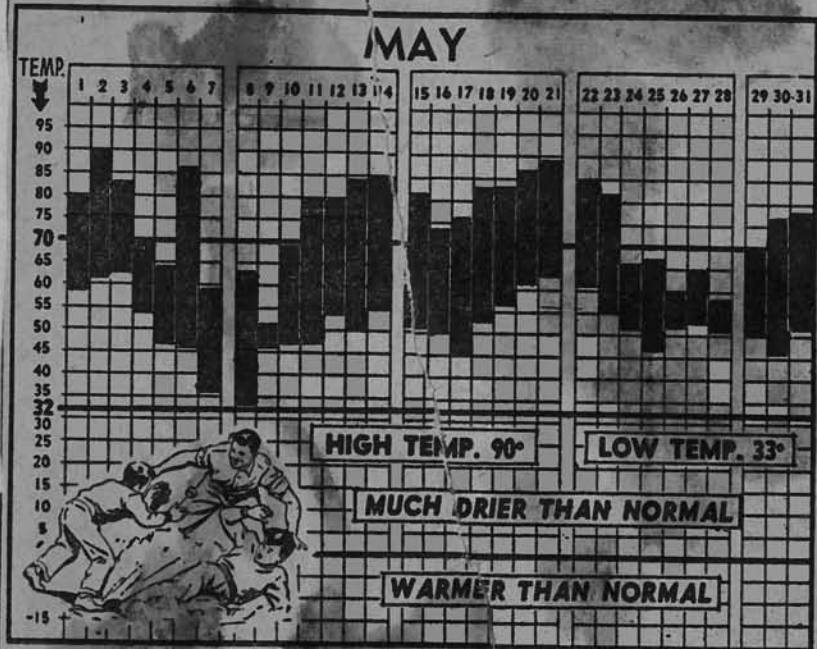
May 22. Peonia starts to bloom

May 27. Cottonwood seeds falling.

1955
rc

500
Al
st

May Warm--And Dry



With only .69 of an inch of rainfall in May, the April-May growing season today went into the record books as the driest in St. Paul since 1864. The month was 2.43 inches of rain below normal. Total for the two months this year was 1.61 inches. In 1864 only 1.57 was received, and the all-time record was 1.51 in 1855. The last near competitor in dryness was 1926, when the two months brought 1.71 inches. May was the sixth driest in 119 years, but the total was lower in 1950, with only .57 inch. All-time low was .21 of an inch in 1934. For a year the total rainfall now is 4.14 inches, lowest since the dust bowl year of 1934, when the five months brought only 3.31 inches. Temperatures averaged 63.3 degrees—4.8 degrees above normal—making the month the warmest since 1941, when the same average was set. The last May that was warmer was in 1939, when the average was 64.0 degrees. Highest temperature for the month was 90 on the 2d, lowest 33 on the 8th.—Staff Chart.

1956

Saw Horned Lark on Feb 20,

Marion saw one on Feb. 11.

Some thawing late in month

March

Month came in like a lamb.

Warm weather followed by blizzard
and temp below 0°F on 10 and
11th. Blowing snow with poor
visibility on 10th

Several thousand well unknown
by the 20th Saw killdeer

Snow gone in open by the
22nd

Light snowfall onto of the 22nd

25th Temp above 50 for
first time.

Saw red-wings, cedar waxwing,
robins, and meadowlark

26. ~~Push willow stage on~~
open & willow

27-28 Heavy snowfall - winter
back again.

30. River in the streets again

31. New snow melted - still plenty
of snow in north exposure.

Note Pines will stay on aspen +
April willow on the 29th

(1.) Snow in woods at Uabruis
still heavy.

Saw Mt. Blue Heron, Flicker
Flock of Doves waxwings at home.

Drackles back for first
time.

1 dead Kingfisher at Uabruis
Elderberry somewhat swollen
but no sign of breaking yet.

April 2. Ground thawed to 3 inches.

April 3 Temp in 60's saw
mourning dove + blue bird.

April 5. Blue bills in pond on
Cleveland.

Elderberry buds opening. Temp
about 65°F

Frogs singing

April 7. Snow and heavy wind
seem like winter again

April 8. Datta day
(Horned Thrush) Blue bills
back on flower water at Vodnai

April 10. Soft maple just beginning
to open a little of buds
greatly swollen. Most of
day lake still covered with
ice. Columbine pushing thru
leaves in wild flower garden

April 11 Soft maple in bloom
bees working

April 14. Dutchman's breeches
coming up at home

April 16 Bloodroots breaking thru -
also yellow bells. Tamarack
and elm buds swollen

April 19 Tamarack buds green - elm
flower buds greatly swollen
but not opening.

April 22. Old roots starting to bloom in most exposed site at home.

April 23. Elm blooming -
Bluhells bursting at home.

Snow - light showers fell on 22 & 23. Temp. down to about 25° on night of 23 & slow drizzle spring with no rain. Ponds drying up, lot levels down.

April 24-26. Continued cold - little activity - becoming drier

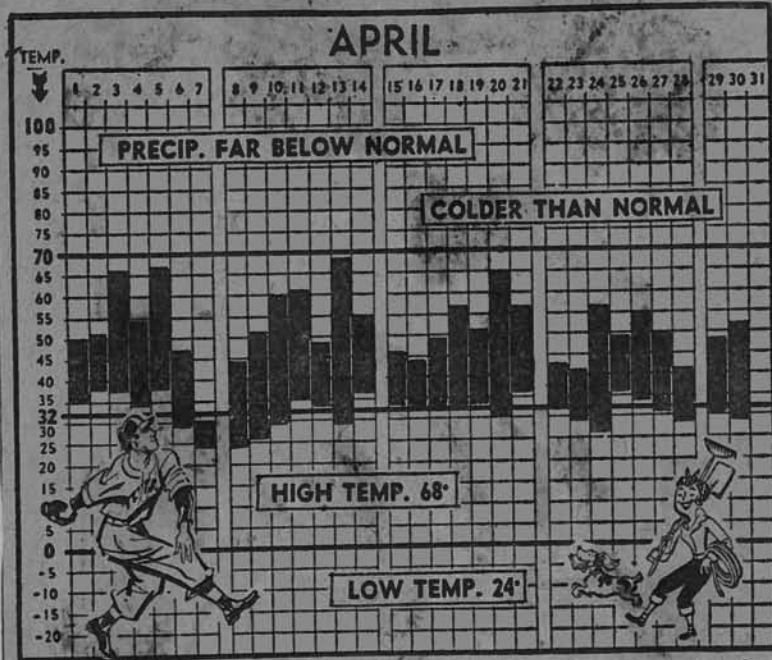
April 27 - Rain and cool

April 28-29 - Still cold - buds smaller on several things - Myrtle (hard) lilac buds opening somewhat and N.Y. ash but no green showing, just fuzzy tips elongate. Boxelder - inside the leaf buds opening.

May 1. Hepatica & Dutchman's Breech starting to bloom at home. Fair good rain during night of May 1-2.

May 2. White throated sparrows singing in backyard for first time.

April Chart Chilly



Colder and much drier than normal was the weather bureau verdict on April following compilation of the monthly data today. The month was the seventh driest April in Twin Cities weather bureau history, with only .67 inch of precipitation, a shortage from normal of 1.24 inches. However April, 1952, was drier, with only .59 inch, and the driest was in 1899, with .57 inch. Snowfall was only 1.1 inches, with the largest 24 hour total .9 inch on the 7th. The temperature averaged 41.8 degrees, 4.2 degrees below normal, and in great contrast to that of a year earlier, when the average was 53.9. April, 1953 was colder, however, with a 40.9 average. The highest temperature was 68 on the 13th, the lowest 24 on the 7th and 8th, while a new cold record for the day was set on the 24th, with a 26 degree reading. Degree days totaled 686, 116 more than normal, and brought the total since July 1 to 8,315, or 801 higher than normal—in fact well over the normal full year total of 7,853.—Staff Chart.

- May 3. Fairly good rain - still cool
Little activity - Signs of
Trillium pushing thru in garden.
- May 4. Lilac buds opening up
Mt. Ash - elongated buds uncurling.
- May 6 - First Spring day for days
- May 7. Wealthy apple green tips
Yellow Earth Stuffer pushing thru
Soft m. apple leaves breaking
elm buds appear white from
ground.
- May 10 yellow bells starting to
bloom Chantrelle Pushing thru
- May 12 First summer day, even though
May 14 starts to boom ^{Warping cherry}
starts to bloom
- May 13. Rain + cool again
- May 14. Trillium in bloom at
home. 1st yr. out in
pink stage - early pink.
- May 16 Underwood plum in bloom
Bluebells starts to bloom at
home. Pink Stage Wealthy
- May 18 F.T.C. hatching along
Hwy 23 south of Duluth.

Mar 20. Mt. Royal Plum in
bloom - Blue Hells at home
in full bloom.

1957

Horned Larks - Feb 6

Little snow all winter - ground
nearly bare during Jan. & Feb.

March 11. First real warm day,
snow left all but north exposure.

March 14. Heavy rain - flooding

March 15. Deluged with drift
snow. Bob heard killdeer.

March 17. Saw Grackles in
yard for first time.

March 22-23 Temp in 50's
looks & feels at little like Spring
Columbia near back door pushing up.

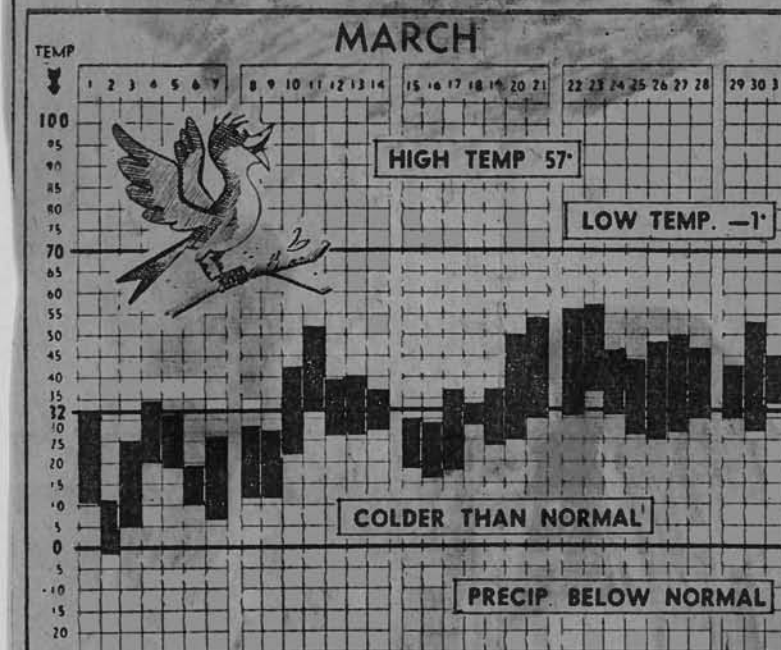
April 2 Elderberry buds open

Ther snow - heaviest
of the winter.

April 16. Temp up to about 60
things beginning to move.

April 18. Bloodroot & Lachner's
Shrubs at home.

April 19. Hepatica in bloom
Elm in bloom



ALMOST NORMAL was the late-departed month of March, according to data supplied by the Weather bureau today. Average temperature was 30.4 degrees, or only .5 degree below normal. Highest temperature was 57 on the 23d and the lowest was 1 degree below zero on the 2d. Precipitation totaled 1.31 inches, which was .17 inch below normal. The greatest precipitation in 24 hours was .78 inch on the 14th and 15th. Snowfall totaled 7 inches, with the greatest 24-hour fall, 4.2 inches, recorded on the 14th and 15th. Degree days for the month added up to 1,065, or 8 above normal, to bring the seasonal total to 6,695, which is 249 below normal.—Dispatch Chart.

April 23 Blotchmen's Beeches in
bloom

April 23 Bloodroots in bloom
at home.

1958

Very little snow all winter - less
 than this spring.

Feb. 23-26 Temperatures in the 50^s

Elderberry buds opening on the 26th

March 29. Soft maple in bloom
 bees working the open flowers.

Columbine had pushed up next to
 house on the 25th of March.

March 28-29. Saw Killdeer,
 meadow lark, Red Wing, and
 first of quackles at house. also
 Mallard near radio tower.

April 6 all but small patch of
 V. adnans ice gone.

Saw Kingfisher, Parakeet, Oriole,
 Blue bill, Goldfinch and V. adnans.

April 7 Ducks best building.

April 8 Turned but green
 due Elm in bloom.

April 9. - Flicker at home
and purple finch singing full
blast.

April 10. Blackbirds at home pushing
them.

April 11 Lilac buds expanding &
breaking open.

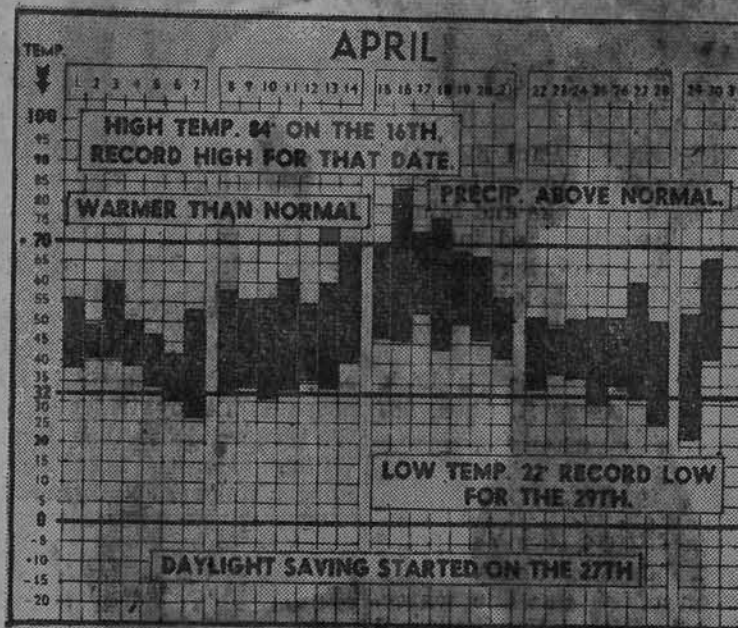
April 13. Mertensia pushing up,
first hepatica buds out.

April 14 Temperature about 70,
84°F in Winnipeg.
Hepatica in bloom. Evergreen
swelling and ready to burst.
Blackberry's huckle pushing them.
Hops out in green top stage.

April 16. Temp 84° - record for
this time of year. Lilac flower
bud showing - nearly in green
top stage. Mountain ash
leaves beginning to unfold.

April 17. Blackbird in bloom at
home. Tullies breaking them

ST. PAUL DISPATCH



A RECORD-BREAKING MONTH was April. The 84-degree reading on the 16th was the highest on record for that date and the reading of 22 on the 29th was the lowest for that date in weather bureau annals. Temperatures during the month averaged 47.9 degrees, or 1.9 degrees above normal. The mercury registered 32 degrees or lower on eight days during the month. Degree days totaled 507, 63 below normal. Precipitation measured 1.99 inches, which was .08 inch above normal. Greatest amount of precipitation in a 24-hour period was .83 inch on the 5th and 6th. There was 1.6 inches of snow during the month, occurring on the 6th. The sun shone 62 per cent of the time. — Dispatch Chart.

Two District DTA Acc...

*April 18 Another warm day
over the lower...*

April 18 Another warm day
 everything bursting.
 Anemones in bloom & have also
 redness britches window.
 1 Hoop net in open cluster bird
 story.

April 19 Dutchman's breeches starting
 to bloom - Mertensia budbed.
 Bloodroot in full bloom.
 Nanking cherry in bloom
 buds greatly swollen on
 Underwood plum.
 1 Horsetail tree buds breaking
 open.
 Still warm & summer-like
 Anemones in bloom -
 Saw night wren & thrush.

21-29 cold spell with nothin',
 much happening.

(27) first bloom on rock phlox
 and clump iris.

29 Temperature dropped to 20
 expected heavy frost damage
 but it was very light.

May 1. Hops out in first stage
 Underwood plum starting to
 bloom. Yellow bells starting
 first bloom & also M. verticillata
 Schubert's maple in bloom

May 2. Weeds in water bud
 first stage

May 3. Elderberry blooming.

May 4. Weeds first stage
 Underwood plum - full bloom
 Superior starting to bloom.
 Robin nest building.

White-throated sparrow singing
 in yard.

Trillium buds showing white.
 Clintonia pushing up.

May 6. Even then green snow
 Tulips in full bloom in
 places.

at home. M. verticillata & yellow
 bells in full bloom. Trillium
 not quite open but almost.

Dandelion just booming and
 rock phlox in full bloom.

F.T.C. Beavers breaking out on a scale
 at Ives Park on May 7

May 9. Weather begins to
open, flowers ready to
blow but not open

Tulips in bloom

Flowering almost done +
plums in full bloom

May 13-16 temp in 80's overnight,
blooming now - see above

May - 19 Dried weather starts to
blow

May 20. F. T. C. in second instar
at Chapel and north. Probably
hatched about May 12-14.

| 1957 |

March started like a lamb -
practically no snow all winter.
Few light falls in March
which dropped within a day
or two.

March 22. Saw first grackles in
yard. Robins scroum but
not yet old.

March 23. Min heat wave.
68° F (off!) → reducing
back in force. Also meadowlark
bees flying. Elderberry
not yet croaking - Killdeer back

March 25. An evening dose of
home. Colder but above freezing

April 2
~~March 28~~ Elderberry buds opening
Rhubarb sprouts at home

April 4. Soft Maple in bloom
wild columbine sprouted at home

April 6 Elm flower buds greatly
swollen but not opening yet.

April 22. Hepatica starts to bloom - Bloodroot up but not through main row of leaves yet. Dutchman's breeches up. Fair warm day after several rain showers.

April 28 Dutchman's breeches in bloom Wood anemone in bloom

April 30. Bloodroot in bloom Mt. Ash & Horsetail leaves breaking.

May 1. Heat wave 91° F record for 1st of May

Even the starting flow open.

Common blue in bloom.

Yellow lad sluffs coming up.

Bloodroot at peak of bloom

Yellowbells pushing up.

Robin making nests like mad. Pursuing on lawn efforts in collecting notes. Still sore on with front fire over shoe.

May 3. Wealth pink stays

May 4. Fair rainy day for months

[1960]

March 22 Druckle back
in force. Morning doves +
red wing black bird song.

In bed - missed some early
recalls

April 13. Head Flicker

April 14 5:45 AM in bloom
Elm flower buds must swell
then swell almost ready to burst.
Frogs starting to sing