

PRAIRIE FARMER

WLS

FAMILY
ALBUM

EIGHTH STREET THEATRE
W L S
"NATIONAL BARN DANCE"
EVERY SATURDAY NIGHT



... and Almanac
1949

TWENTY-FIVE YEARS

On April 12, 1949, it is 25 years since WLS first came on the air. Many who heard the very first broadcast, still listen every day.

From the beginning, WLS policy was based on friendship and service, with special attention to needs of our rural listeners. In 1928, the station was taken over by Prairie Farmer. Its power was increased to the present 50,000 watts, with strictly modern equipment, so programs are heard over a wide area of the middle west.

At the end of its first quarter century, WLS has a large and experienced staff of people, as pictured in the following pages. From each of us, to you, our deep appreciation for your loyalty and friendship through the years.

**PRAIRIE
FARMER**



Family Album

And Almanac

1949

Published by

PRAIRIE FARMER, 1230 WASHINGTON BOULEVARD, CHICAGO 7, ILLINOIS

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DEDICATION



BURRIDGE DAVENAL BUTLER was publisher of *Prairie Farmer* from 1909, President of WLS from 1928, until he passed away on March 30, 1948.

The great structure of *Prairie Farmer*, with more than 375,000 subscribers, and of WLS with its great audience of loyal listeners in the middle west, have been built largely on the inspiration of Mr. Butler's genius, enterprise, and high idealism.

Many knew him as a great and successful business man, but few knew how deeply the yearnings of his heart were dedicated to the service of humanity.

By his will Mr. Butler created The Burrige D. Butler Memorial Trust and directed that the earnings from his interests in these business institutions be devoted to education and charitable purposes. These earnings are to be distributed through the Chicago Community Trust with a generous portion to be spent outside Chicago. The future management of *Prairie Farmer*-WLS is placed in the hands of six trustees, all men associated with him for many years.

On October 25, 1948, we unveiled a painting of Mr. Butler, a photograph of which is shown on the adjoining page.

At that occasion, Mr. Edward L. Ryerson, Chairman of the Chicago Community Trust, said:

"No monument could ever express what will result in the lives of those who will be helped, through his bequest. Even though he is gone, his life and his work will continue, and many a widow, many an orphan will feel the support of his big hand in time of need."

Dr. John Holland quoted one of Mr. Butler's favorite scripture references:

"When I try to boil down what Christ tried to teach the world, it comes to this: 'Inasmuch as ye have done it unto one of the least of these My brethren, ye have done it unto Me.'"

To Mr. Butler's memory we dedicate this book.

We who loved him, in whose hands he placed the management of these institutions, have pledged ourselves to continue them in that same spirit of service.

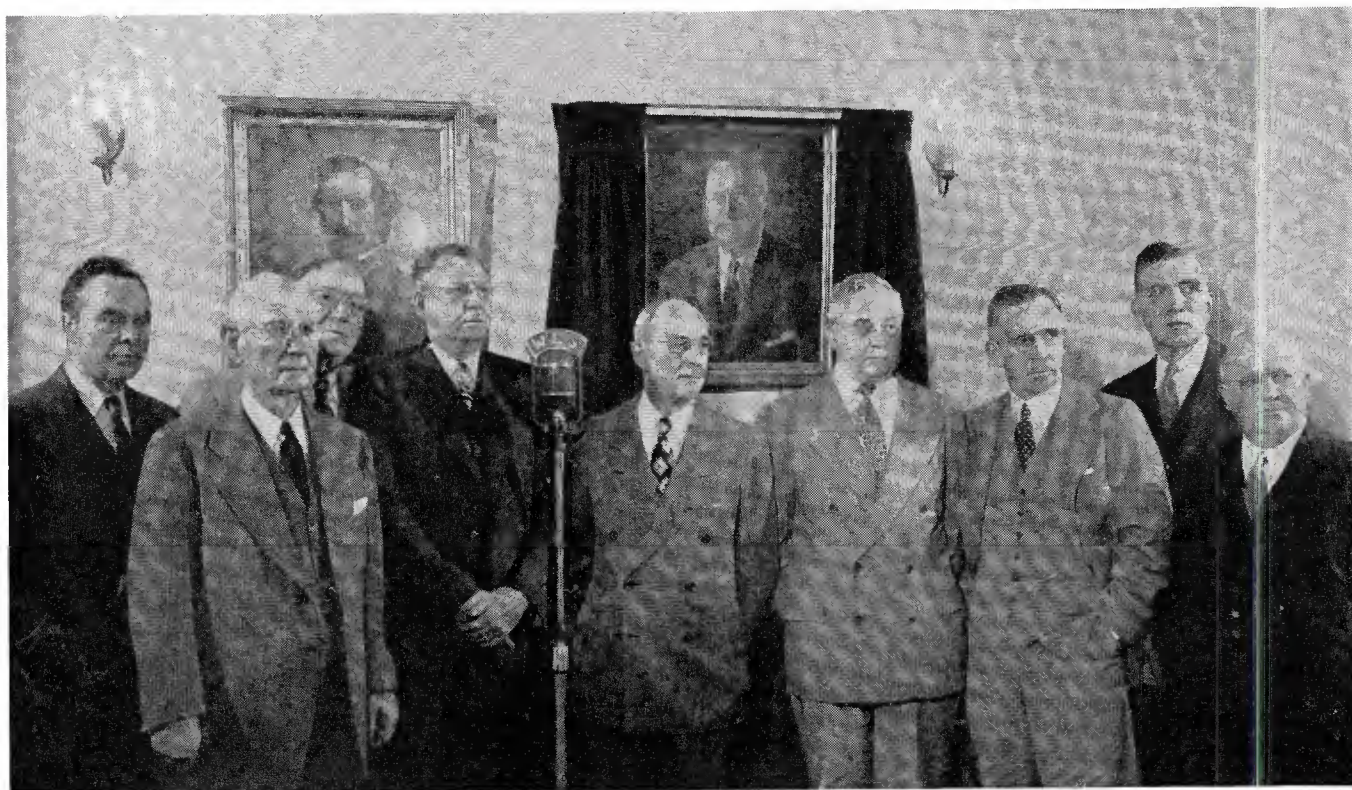


Burridge Davenal Butler 1868-1948



James E. Edwards

In 1948, following the passing of Mr. Butler, Mr. Edwards was elected President of Prairie Farmer Publishing Company and Agricultural Broadcasting Company. Has been with the company many years, formerly Secretary and Advertising Manager.



Unveiling

Group which took part in unveiling of Burrige D. Butler portrait, October 25, 1948. Left to right, George R. Cook, Thomas E. Murphy, Dr. John W. Holland, Gus A. Holt, James E. Edwards, Fred W. Orlemann, Edward L. Ryerson (Chairman, Chicago Community Trust), Arthur C. Page, Glenn Snyder. Portrait behind Dr. Holland, John S. Wright, founder and Editor of Prairie Farmer, 1841.



Glenn Snyder

As General Manager of WLS, Glenn Snyder has maintained station policies steadily along lines of friendship, sincerity and service. Those policies will be maintained in our second quarter century.

Safford, Grandfather

Program Director Harold Safford presents his grand-daughters, Carol, 1½ and Karen, 3½, daughters of Betty Safford Kernahan. Son-in-law Rev. Kernahan is pastor in Rosemead, California.



Treasury

At left, George R. Cook, Treasurer of Agricultural Broadcasting Company, owners of WLS.

Above, John Allen, Assistant Treasurer of WLS —and that's a picture of his daughter on the desk.



Editorial

Paul C. Johnson (left) Editor of *Prairie Farmer*. Broadcasts every Monday evening. At right, Ray Bates, Managing Editor. He plans each issue.



Homemaking

Gladys Skelley, Homemaking Editor, *Prairie Farmer*.



Service

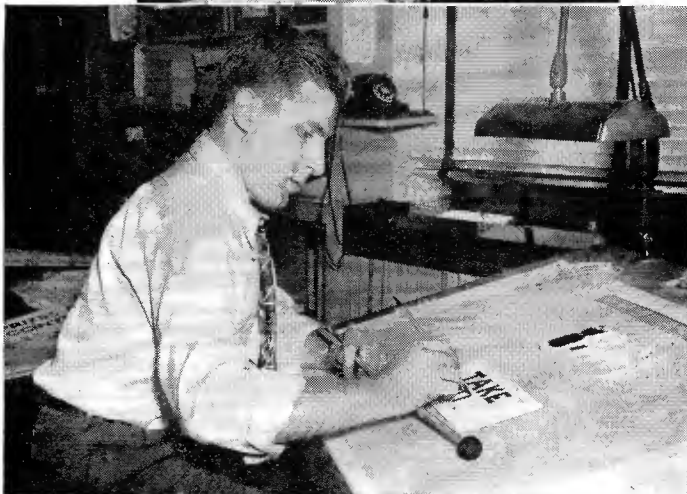
Ralph Yohe, Farm Service Editor (left) either knows the answer or knows where to find it. Comes from a farm in Southern Illinois.



Protective Union

Mollie Feldman (above) oversees vast correspondence of Protective Union, has saved thousands of dollars for members.

At left, Steve Jerger, staff artist, at work.



Field Editors

Wherever anything important is happening in agriculture, a *Prairie Farmer* man is near. Pictured here are four of the Field Editors who travel and keep in touch with conditions.



Bertschs

Above, Maynard Bertsch who travels Indiana, Mrs. Bertsch and children, Larry and Linda.

Gundersen

Circle, Russell Gundersen, travels length and breadth of Illinois, carrying notebook and camera.



Renshaw

"Bill" Renshaw jumps in his plane and flies anywhere from his Indianapolis office.

Loui

At left, Della Loui, knows every inch of Wisconsin and has visited thousands of farms.





Birthday

William Beery of Elgin, Ill., Dinnerbell soloist on 96th birthday, is applauded by Hamilton School pupils from Grundy County, Illinois, and teacher Mae LeRette.



Farm Talk

Left, Dave Swanson of Chicago Producers, weekly commentator on live stock.

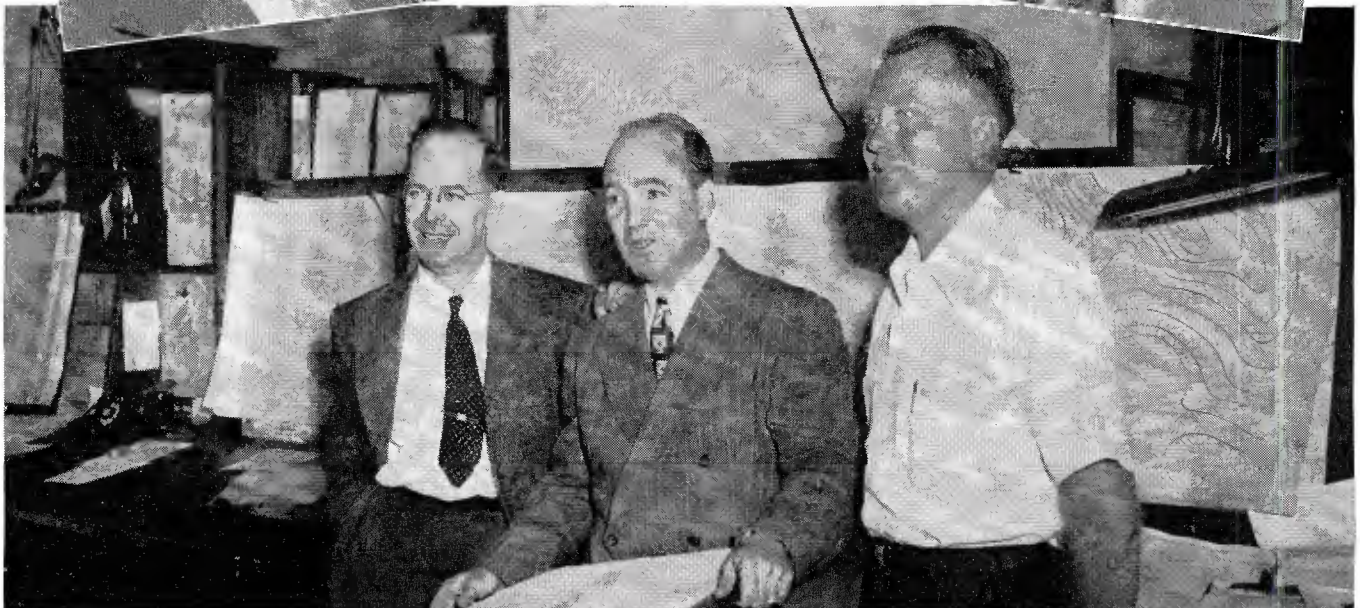
Below, Lloyd Burlingham combines fact and philosophy in frequent farm broadcasts.



Markets, Weather

Bill Morrissey, left, broadcasts daily from Chicago Live Stock Exchange, part of WLS complete market report service.

Below, weather broadcasters Lynn Means, Paul Sutton, John Porter.





Park

Above, Russell Park, assistant farm program director and live stock editor Prairie Farmer.

Page

Veteran Farm Program Director and Prairie Farmer Associate Editor, Arthur C. Page. Conductor of Dinnerbell for 18 years, heard on Friday evening farm commentary.



Benner

At right, Romaine Benner, farm department secretary.



Tiffany

Above, Al Tiffany, live stock authority, conductor of daily Farm World Today. Heard on several other programs, counsellor on many.



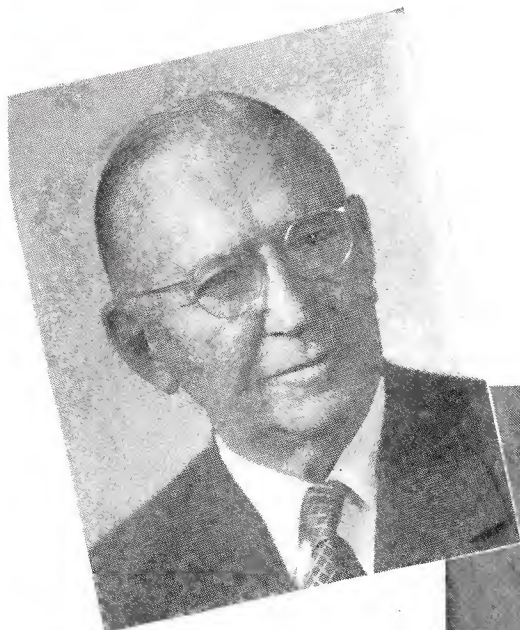
Medals

Three times winner of National Board of Fire Underwriters gold medal for outstanding service in Fire Prevention. At right, Fire Chief "Smoky" Rogers presents third one on Dinnerbell Time.



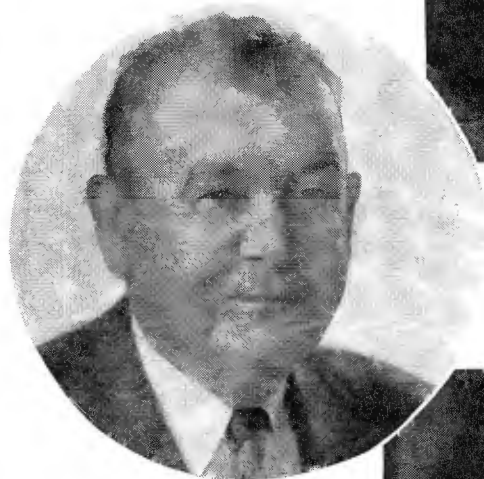
Pastor

Beloved Doctor John W. Holland conducts services of the Little Brown Church of the Air Sunday mornings, Morning Devotions every morning, and closes each Dinnerbell Program. Widely known for his writings, author of a number of books.



Soloist

William O'Connor (below) sings the hymns on Morning Devotions.



Little Brown Church Quartet

Heard every Sunday morning. Left to right, Adele Brandt Osburn, contralto; Jessie Steck, soprano; Glen Most, bass; James Hutchison, tenor.

Browns

Pianist John Brown, his wife Juanita, and their daughters Joan, 12, and Betty Jane, 9 years old. John plays accompaniments for many singers, has been with WLS many years. Some years back, Juanita was member of a singing group on the station.





Interviewer

Arkie met thousands of school children, interviewed many in educational programs at the Brookfield Zoo. Children wrote funny verses about animals which Arkie sang for them.

Below, Arkie (Luther Ossenbrink) and his wife, Vera.



Grace

Grace Wilson, "girl with a million friends," sang on opening WLS program in 1924, heard every Saturday night on the Barn Dance.

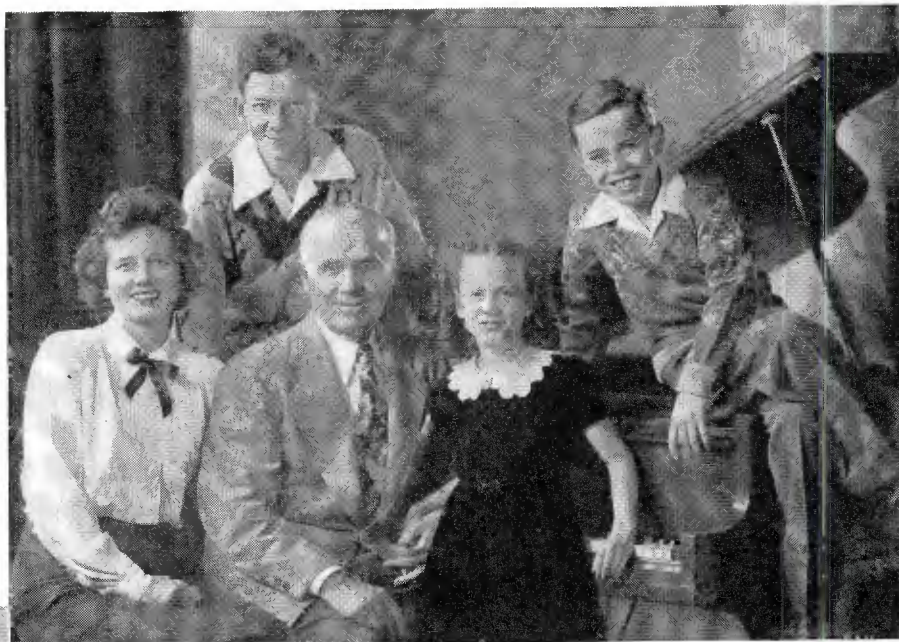
Lulu Belle and Scotty Family

Mr. and Mrs. Scott Wiseman, Linda Lou, 12 and Steve 8 years old. Lu and Scotty met at WLS.



Mac

Right, Lester MacFarland, known to you as Mac, of the famous blind singers Mac and Bob. The family, left to right, Mrs. MacFarland (Ruby), Kenneth, 16; Carol, 8; Larry, 11 years old.



Bob

Left, Robert Gardner, Bob, of Mac and Bob. With him, Mrs. Gardner, Frances.

Maple City Four

In all radio, probably the oldest exponents of barbershop harmony singing, flavored with a dash of rollicking comedy. Left to right, Al Rice, Pat Petterson, Chuck Kerner, and Fritz Meissner. Their name came from LaPorte, Indiana, "The Maple City."



Organist

Howard Peterson is the maestro of the big WLS studio organ, but he likes to cook at the back yard fireplace. Mrs. Peterson is known as a singer under her name Avis Leone, and their six year old daughter is Melody Ann.



Martha and Helen

Every housewife in the middle west knows Feature Foods time, conducted daily on WLS by Martha Crane and Helen Joyce. They look a bit severe in this picture, but they have a lot of good times visiting with women listeners.





Blanchards

Skilled musicians and good singers, the Sage Riders are a merry bunch of entertainers.

Comedian and Master of Ceremonies Red (Donald) Blanchard (left) with his wife Sally, and their son Donald James.



Kleins

Accordion player Ray Klein (right), wife Eva DeZurik, and their children Yvonne Rae and Donald Ray.



Whites

In circle, Don White and his wife Mary from No'th C'lina.



Hewitts

Yodeller Dolph Hewitt (above), his wife Ruth, and their son Charles Allen. Ruth was one of the singing Johnson Sisters.

Ensemble

The whole rollicking group, left to right, Don White, Ray Klein, Red ("I'm Donald") Blanchard, and Dolph Hewitt.





Prairie Ramblers

Versatile four, can do anything from comic folk songs to sweet, low and sentimental. On WLS for years, early and late, and have made many personal appearances. Left to right in group, Rusty Gill, Chick Hurt, Jack Taylor, Wade Ray.

Taylors

At the right, Jack Taylor, master of ceremonies and bass player. Mrs. Taylor, Clina, and their son Danny, age 10 years.

Hurts

Below, Chick Hurt, Mrs. Hurt, Gladys, and their talented daughter Nancy, age 11 years.



Gills

Lower right, Rusty (Ralph) Gill, his wife, who is Carolyn DeZurik, their son Donald Allan, seven years old.

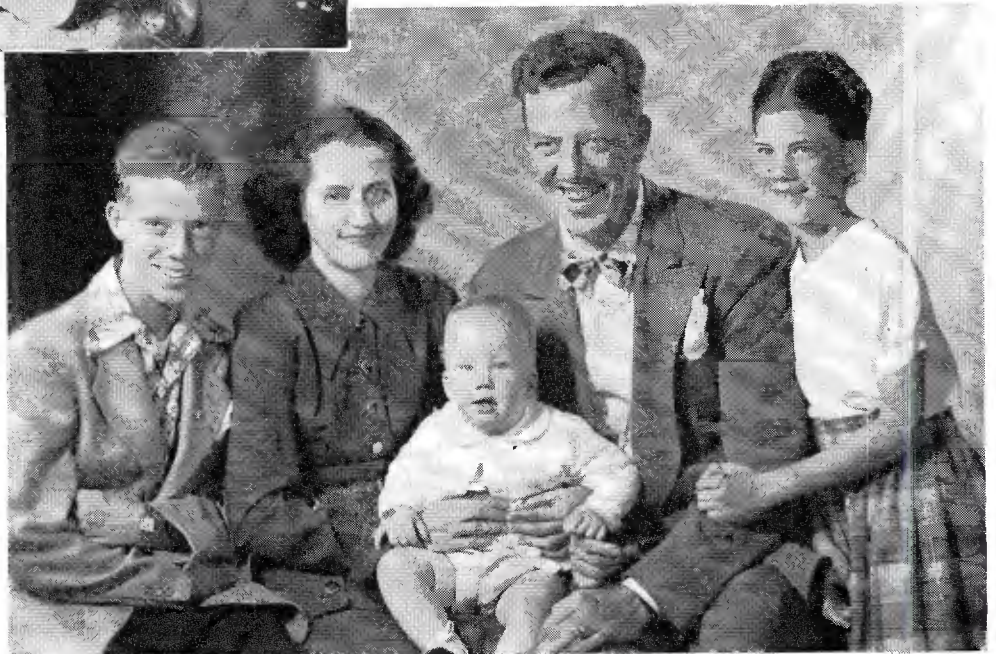


The WLS Rangers

Upper left, the Augie Klein family. Mrs. Klein was Mary Jane DeZurik. Children, left to right: Richard, 5; James, 1½; Janice Marie, 7. Above, Verne Fiedler, Mrs. Fiedler (Virginia), and Joseph David, 1 year old. Below, Mr. and Mrs. Holly Swanson (Little Tilford) and their children, left to right, Richard, 14; James, 1½; Barbara, 10 years old. Mrs. Swanson is Lila.

DeZuriks

Nobody ever yodelled quite like the DeZurik Sisters, who have a unique style and charm all their own. Above, Lorraine at the left, and Carolyn, who is Mrs. Rusty Gill. They have sometimes been featured as the "Cackle Sisters."





School Time

Mrs. Josephine Wetzler, right, directs the WLS School Time program, heard in many thousands of classrooms daily. Herself a mother and grandmother, she brings rare talent to this work.

John Baker, left, was first School Time director, a dozen years ago. Broadcasts school news Friday, and is heard on several other programs.



Continuity

As Continuity Editor, John Drake (right) is responsible for the wording of scripts as broadcast. WLS maintains a high standard in character of copy permitted on the air.

Kathryn Brady, (extreme right) is assistant to Josephine Wetzler in School Time, prepares many programs for broadcasting.



Writing

Bernice Warner, left, handles WLS publicity, furnishing data and pictures for publication.

May Lantz, right, handles research, writes material for "County Salutes," heard every Friday noon.





The Culvers

At the left, announcer Hal Culver, his wife Margaret, and their son David, age 6. Hal is heard on *Smile-A-While* and other programs. Used to do a singing program.

The Holdens

At the right, announcer Jack Holden, his wife Christine, sweet singer often heard on the *Barn Dance*, and their son John, Jr.



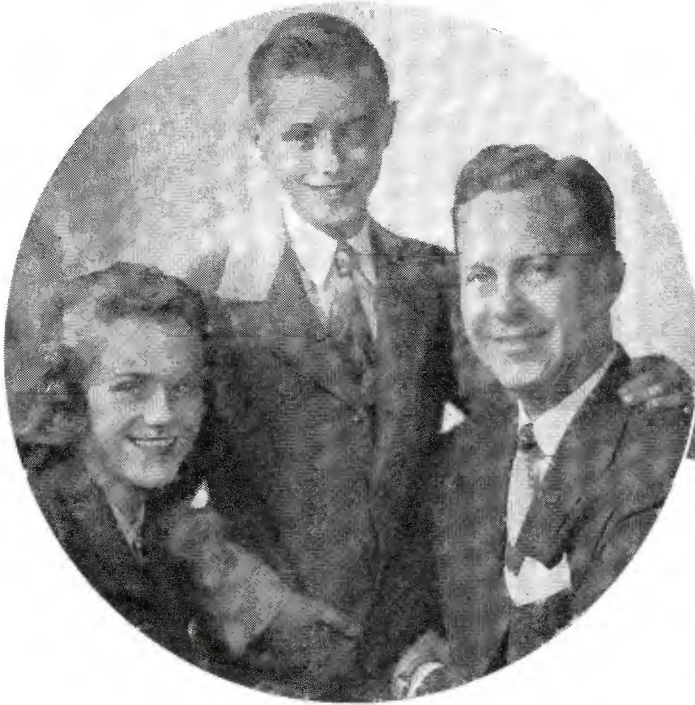
The Brinkley's

Below, announcer Jack Brinkley, his wife Maxine, son Johnny, 17, and daughter Susan, age 9. Jack is heard evenings and Sundays.



O'Halloran

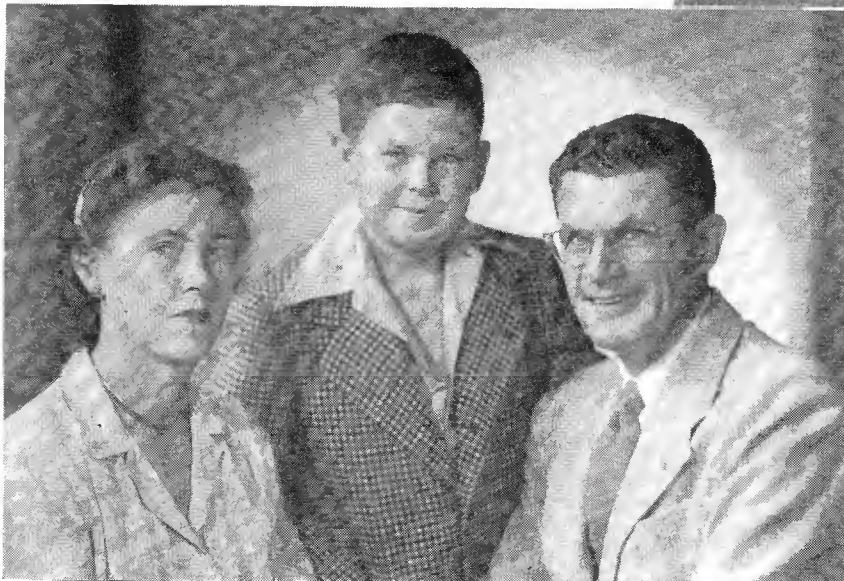
Hal O'Halloran, right, has been heard announcing programs from earliest morning to latest Saturday night. One of the old-timers at WLS.



Orfields

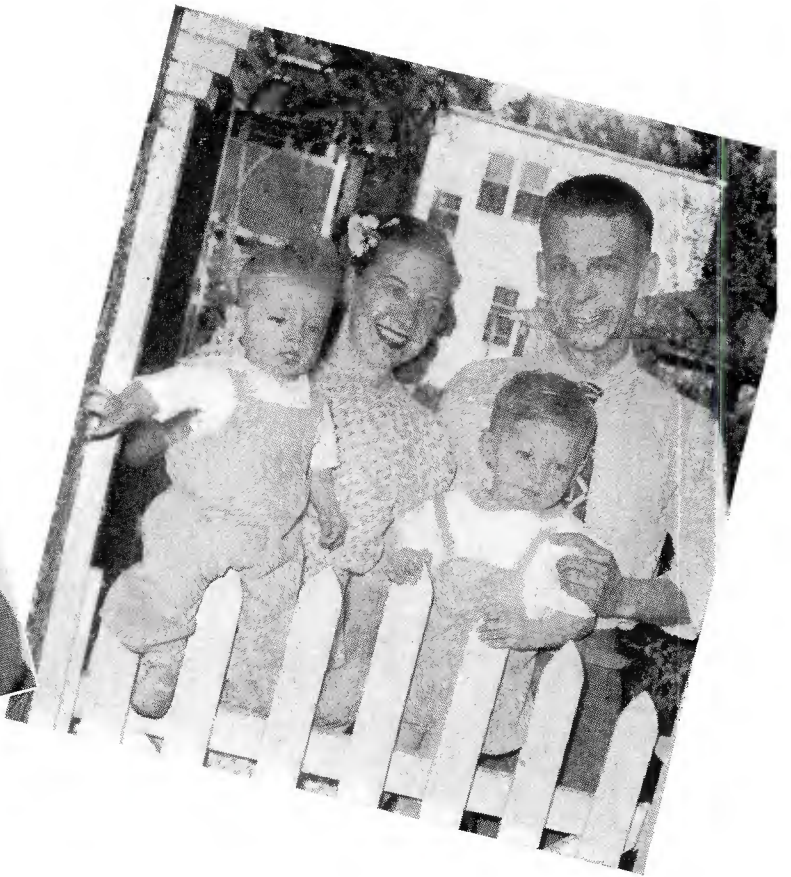
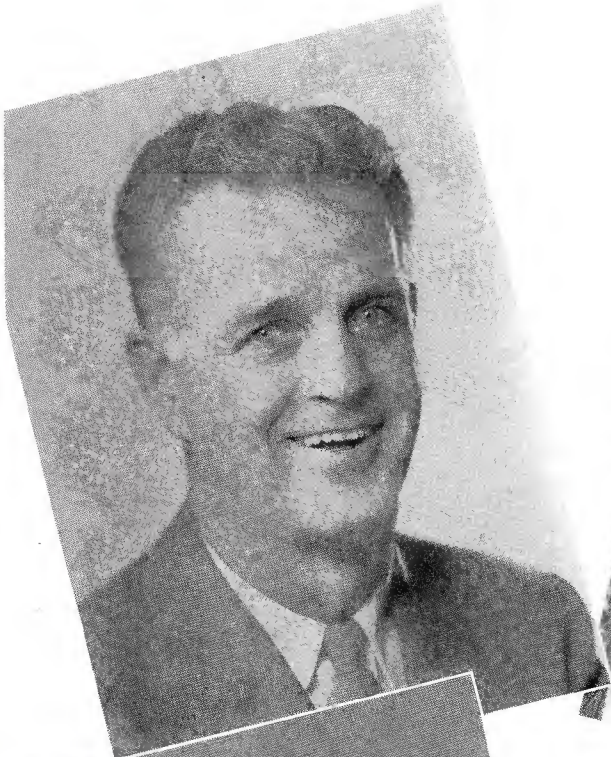
Bennett Orfield, formerly news, now announcing staff, is shown above with his two children, Diane, 16 and David, 11 years old.

At the right, Announcer Charles (Chuck) Sebastian.



Stilwills

Jack Stilwill, announcer, has done just about everything in the business of radio, except sing or play guitar. Shown at left with Mrs. Stilwill (Jeanne) and son Rickey, 11 years old.



Boyd

Al Boyd, upper left, is Production Director. Also manages details of Christmas Neighbors Club activity.



Bashaw

Tom Bashaw, Production, with Mrs. Bashaw (Marian) and children Tom, Jr. (right) and William Michael.

Biggar

Back to WLS after some years away, George Biggar (above) has taken charge of the National Barn Dance.

Ferris

Ray Ferris (right), former singer, song writer, veteran of a thousand auditions as WLS Production man.



Production

After a program has been planned and written, it is the job of the Production man to see it rehearsed, to follow through until it is successfully on the air. Usually works from the control room. If anything goes wrong he takes the blame.

Blotter

Frank Blotter (right), once "sound effects" man, now producer of a number of WLS programs.



Nelson

Bill Nelson (circle), has worked as writer, in Promotion department, and now carries responsibility of program production.



Aunt Rita

The children know Aunt Rita Ascot from many a happy Sunday morning program. Charming, versatile, full of merry laughter, she has been heard as a dramatic performer in several national network shows.



Joyces

Bill Joyce, WLS Production man, has been writer, director, sound effects man, and can play the violin. Shown with Mrs. Joyce (Jean) and daughter Jeanne, 9 years old.





Unusual

At Indiana State Fair, Bill Renshaw interviews Mary Ann Burkett of Fulton County, winner of steer championship in spite of polio handicap.

Below, Russell Park and President Charles Shuman of the IAA, conduct safety week interview with Ted Leslie, Moultrie County, Ill.



Editor Paul Johnson and Centennial dairy queen Margaret McGuire pose before Prairie Farmer centennial dinnerbells at Wisconsin State Fair.

Easter sunrise service in historic Moravian cemetery, Hope, Ind. Rev. A. H. Franke at WLS microphone.





Prairie Farmer Advertising Department

Standing, L to R, Charles Lemperly, Marie Thiel, Walter Brian, Pearl Ruck de Schel, Paul Scotte, Herbert Horn, Joyce Senne. Seated, Vern Anderson, manager, Bill Brookman.



WLS Sales Department

Left to right, Ray Betsinger, A. N. (Pete) Cooke, LaVerne Carnevale, Charles (Chick) Freeman, manager, Florence Amadry, Dorothy Luce.



News

WLS Newsman Ervin Lewis and wife Ruth, above, with their 3-year-old son Jeff. Looks like Jeff should have been "Ervin, Jr." Ervin has been handling WLS news 10 years.

Robert Lyle, at the right, joined the news staff in 1948. Shown with Mrs. Lyle (Jean) and sons Hunter, 9, and Bobby, 6 years old.



Sebastians

Charles Sebastian handles news on Sunday morning. Pictured with Mrs. Sebastian (Margaret), sons David, 7 and Philip, 4, plus special added attraction, Baby Christine, just 2 weeks old.



Allens

Rex Allen, "the Arizona cowboy" was really a cowboy, and really from an Arizona ranch. Likes to meet people, likes horseback riding. Mrs. Allen was Bonnie Linder, former WLS singer, and their son, 1 year old, is Rex Junior.

Bookings

The Artists Bureau, below, arranges personal appearances for WLS talent. Left to right, George Ferguson, Camille Griseto, Richard Kurtze, Eleanor Birdsong, Earl Kurtze.



Promotion

The Promotion Department gives the public background information about the work of WLS. Left to right, Warren Middleton, Don Finlayson, director, Robert Campbell, Rita Horn. They prepare many exhibits showing station activities.



Felber and the Band

Some of the members of the band have been with WLS since its beginning a quarter century ago. This is the way they are set up for Dinnerbell, School Time and other musical programs. At the left, Herman Felber, Director for many years.



Music Library

Upper right, Ozzie Westley, director of WLS Music Library, who also makes special musical arrangements. Lower right, Arlene Carstens and Hazel Rosenthal, who have information at fingertip concerning thousands of musical numbers.



Dawnbusters

Early risers, all these. At the left, Mr. and Mrs. Messina (Frank and Darlene), and their daughters, Linda, 6, and Diane, 3 years old. Taken at the front door of their home.

Smith and Jones

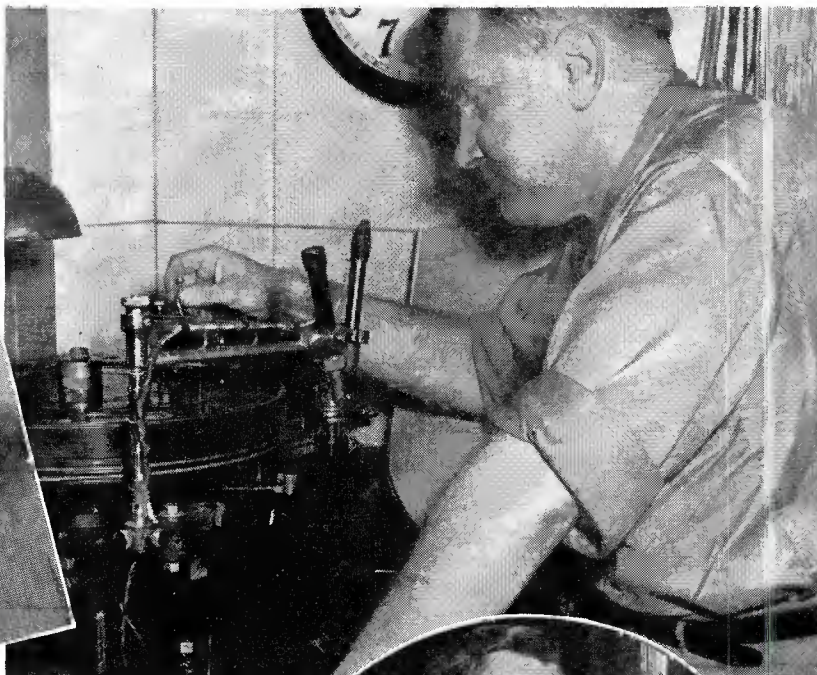
At the right, Mr. and Mrs. Bernie Smith. In the circle, Mel Jones and his daughter Myra, 10 years old.



Rays

Bright and shining Rays, these at the right. Arthur and his wife Esther, and their daughter Carol, 5 years old.





Engineers

Above, left, Chief Tom Rowe; upper right, Charles (Nelly) Nehlsen makes a recording; in circle, Chuck Ostler monitors the Barn Dance. Below, Roy Huberty at studio controls.



Transmitter

Seated at right, Homer (Pull-the-big-switch!) Courchene, with three of his transmitter staff, William (Andy) Anderson, Clarence Wise, Ernest Serena. They put the kilowatts on the air.



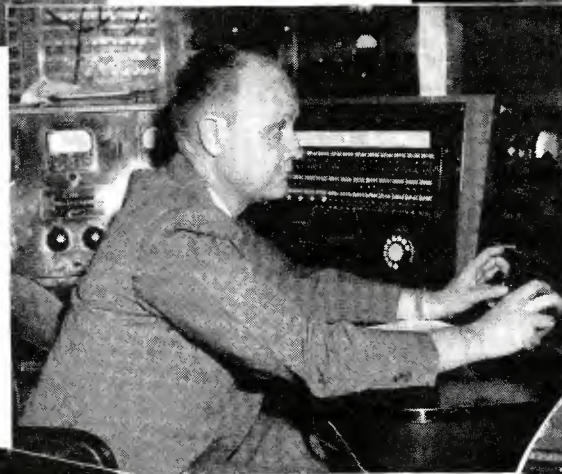
Fulton

Verne Fulton, left, loads equipment in station wagon for a remote.



Keller

William Keller, right, "rides the gain" at master control.

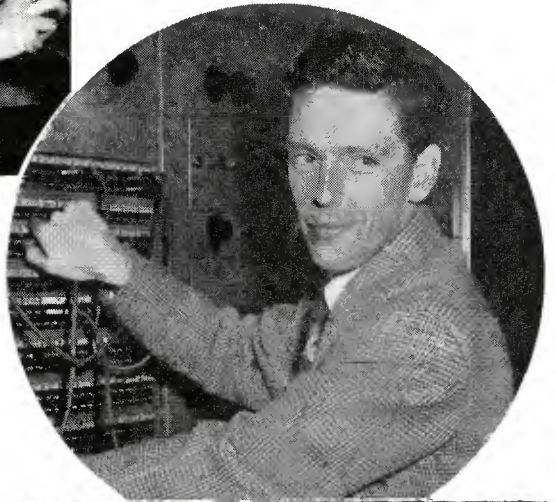


Donnelley

At right, Maurice Donnelley holds knobs, ready for quick switch.

Shimp

In circle, Dale Shimp plugs in the Stock Yards studio for markets.



Whyland, Taylor

Above, Burr Whyland tests a remote wire; at right, William Taylor picks up a short wave transmission.



Doc Hopkins

The name "Doctor Howard Hopkins" is just his name, does not signify his profession. Truly announced as "America's Favorite Singer of American Folk Songs." Has conducted much research, knows the history of many old songs. Now a mystery: the picture shows Doc playing his guitar with his left hand. He doesn't. The artist reversed his picture, and that's really his right hand.



Taylors

Hartford Connecticut Taylor, Mrs. Taylor (Betty), daughter Betty Conn, 19, and son William Hartford, 16. "Harty" sings folk songs as he learned them in the hills.

Davises

Karl Davis, of "Karl and Harty" with Mrs. Davis (Jean), daughter Diana Jean, 14, Susan, 3½ and Karleen, 11 years old. Karl is famous for singing "Blue Eyed Boy."



Comedy

We wouldn't say the Jimmie James family is funny, but Jimmie has a rare gift of comedy. With him, Mrs. James (Macel), and son Don, 5 years old.

Virginia Hams

When you hear shrieks of laughter on Saturday night, it may be caused by the quote, music, unquote, of the Virginia Hams. Laughter is good for people, and they do a lot of good. Left to right, Jimmie James, Holly Swanson (Tilford) and Ted Morse (Otto).





Barn Dance

Above, the darling of the Barn Dance, Little Genevieve, and that scholarly group called the Diz Kids.

Left, singer, Miss Evelyn.



Veteran

Loved by everyone, Uncle Tom Corwine, above, was about the first sound-effects man on radio. Famous for barnyard imitations and philosophy. Travelled Chautauqua with William J. Bryan, William H. Taft, Theodore Roosevelt and Charles E. Hughes.



Dancers

Square dancing was brought back to public interest by broadcasts of National Barn Dance on WLS for past 25 years.

Circulation

Vitaly important in operation of Prairie Farmer, these girls handle mail, help keep records on 375,000 subscribers. Left to right, Shirley Meyer, Ursula Falco, Grace Kattro, Helen Lantz, Mary Ragosta, Shirley Marlowe.



Mail

How would you like to get a million letters a year? These girls in the WLS mail department handle more than that number every year—and fast, too. Left to right, Emma Olsberg, Mildred Burton, Ingeborg Bunge, Amelia Raso.

Office

Very little publicized, these girls do a great deal of the essential background work of daily broadcasts and business activity. Left to right, back row, Ruth Luce, Joan Collins, Rita Smith, Dorothy Auble, Virginia Stineback. Seated, Ann Patten, Janet Rausch, Betty McCann, Maryan Christopherson, Violet Effertz.



Lucky days are those in which men follow the dictates of their better impulses.

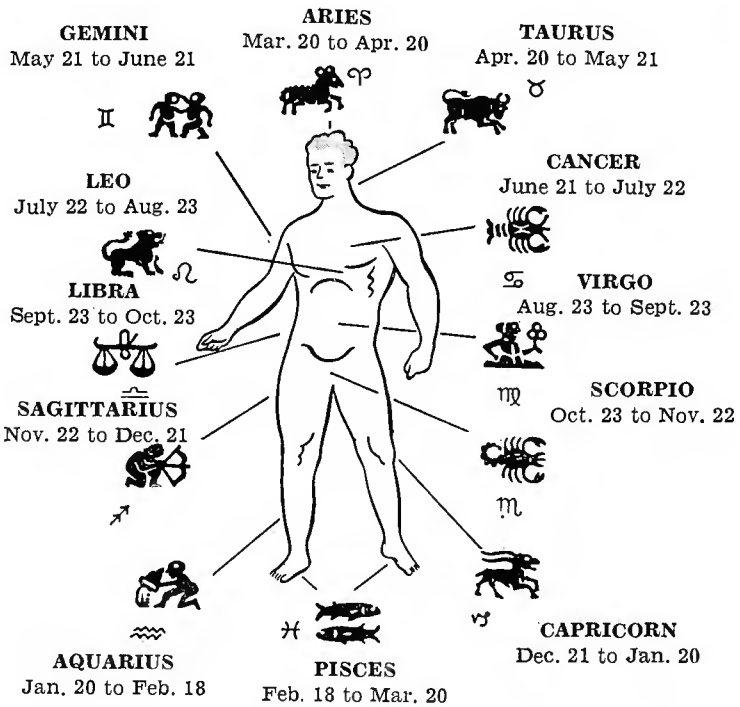
PRAIRIE FARMER-WLS ALMANAC

No nation is ever truly great except as its citizens have freedom and cherish it.

1949 Edition

Approach each tomorrow knowing that it might become the greatest day in history.

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Five months of this year have five Saturdays: January, April, July, October, and December. Four months have five Sundays: January, May, July, and October.

The New Year starts on Saturday, Christmas comes on Sunday, and Fourth of July is on Monday.

It is 173 years, since the proclamation of the Declaration of Independence.

SEASONS OF 1949
(Central Standard Time)

Spring begins March 20, 4:49 eve, and lasts 92 days, 20 hours and 14 minutes.

Summer begins June 21, 0:03 eve, and lasts 93 days, 15 hours and 3 minutes.

Fall begins September 23, 3:06 morn, and lasts 89 days, 19 hours and 18 minutes.

Winter begins December 21, 10:24 eve, and lasts 89 days, 00 hours and 11 minutes.

FACTS ABOUT TORNADOES

IN many states, danger from tornadoes begins in early March, according to a 63-year study by the U. S. Weather Bureau. The eastern Gulf states are usually first to be hit, and the season advances northeastward. They may occur until October, when the danger is greatly reduced until the beginning of the next year.

The level lands east of the Rocky Mountains are considered most dangerous in the world for formation of tornadic winds. No system has been found effective in predicting when or where they will occur. Tornadoes have been reported in every state except Nevada, and in every month of the year.

While wind may reach a velocity of 500 miles an hour in the whirling vortex of a tornado, this force alone does not account for the fantastic and terrible damage they

cause. Reduced air pressure approaching a vacuum within the funnel-shaped storm causes buildings actually to explode from the air pressure inside.

While tornadoes travel usually at a speed of 25 to 40 miles per hour, they have been known to leap across the land at a speed of 139 miles per hour. They may jump up into the air, missing one town, but drop down and grind the next one to bits. Many of them occur at night.

While certain conditions of atmospheric pressure may be considered favorable for the development of tornadoes, there is no known method by which they can be predicted. Usually they come so quickly that there is little time for any warning, unless one sees the funnel approaching in time to get to a storm cellar.

SUN AND MOON RISE AND SET

To find standard time of sun or moon rise or set for your particular locality, find your state in the following table and make the stated correction to the time in the column naming your state location at the top of the calendar page.

	CENTRAL		EASTERN	
	Standard	Daylight	Standard	Daylight
Ill.	Hr Min	Hr Min	Hr Min	Hr Min
	-0 04	+0 56		
Ind.	-0 16	+0 44	+0 44	+1 44
Iowa	+0 12	+1 12		
Ken.	-0 12	+0 48	+0 48	+1 48
(west)				
Ken.	-0 24	+0 36	+0 36	+1 36
(east)				
Mich.	-0 20	+0 40	+0 40	+1 40
Minn.	+0 16	-0 44		
Mo.	+0 08	-0 52		
Ohio	-0 28	+0 32	+0 32	+1 32
Wis.	0 00	+1 00		

Examples: If you live in southern Indiana and are using Central standard time, subtract 16 minutes from the time of sun or moon rise or set for the date desired. If using daylight saving time, add 44 minutes instead. Time of sunrise January 1 is 7:19 on calendar page. Subtract 16 minutes and you get 7:03 a.m. Central standard time. If you live in southern Michigan and want the central standard daylight time of sunset June 1, you add 40 minutes to 7:29, giving 8:09 p.m.

"FORTY-NINERS" 100 YEARS AGO

This year 1949 reminds us that just 100 years have passed since 1849, remembered as the year of the "Forty-Niners," the great westward migration in search of California gold.

While gold had been found in California as early as the year 1690, it was the discovery of gold flakes in a mill-race being dug for Sutter's Mill near Coloma that set fire to the imaginations of thousands of fortune seekers and started the great westward migration. This discovery was in January, 1848.

Up to that year the entire gold production in the United States from the time of its discovery had been only 12 million dollars worth. In the five years following, California alone yielded more than 258 million dollars worth. In the 100 years since, the production has been well over 2 billion dollars worth.

The gold discovery led to the greatest shift of population ever yet known in the United

States, and soon led to the admission of California as a state (Sept. 9, 1850).

Up to this discovery of gold there had been little "sound money" in the United States. The total of both silver and gold coin up to 1848 was less than 25 million dollars. Paper money, as issued by hundreds of local banks and companies, was highly unreliable, and might become valueless overnight. Economists assert that the increasing abundance of gold, following the "gold rush" of 1849, was the foundation of the first trustworthy money standard in the United States.

Promoted Farm Mechanization

The rush of many men to the California gold fields created a farm labor shortage in the Middle West. Harvesters were still new and crude, but the year 1849 demonstrated they could take the place of many hand workers, and was the beginning of their general acceptance.

Those workers who get paid on Saturday might consider the year 1949 quite profitable for them, since there are five months—almost half a year—in which there are five pay days each.

The United States government sale of land in the Mid-West from 1787, with the establishment of the Northwest Territory, was used to help defray expenses of the Revolutionary War.

Authorities now believe about 35,000 human beings every year are stricken with undulant fever, the human form of brucellosis as found in livestock. Undulant fever has been called "the great masquerader," because symptoms are so difficult to recognize.

A large meat packing company, keeping exact records for 18 months, estimates an average loss from bruises of 19 cents per head on hogs slaughtered at their plants. Of all hog carcasses, 39 were docked because of bruise injury.

Number of tractors on U. S. farms on January 1, 1948, was 3,150,000. This compared with 2,800,000 in 1947, and 2,422,000 in January, 1945.

The 11 leading Illinois counties in soybean production are: Champaign, Christian, Vermillion, Sangamon, Macoupin Piatt, Edgar, Shelby, Logan, Douglas, and DeWitt.

For best popping, popcorn needs about 13% moisture. Ordinarily when the kernels shell off easily from the cob, moisture is about right.

Morning Stars

MERCURY—From February 2 to April 13; June 3 to July 26 and October 3 to November 21. Best seen about October 19.

VENUS—From January 1 to April 16.

MARS—From March 17 to December 31.

JUPITER—From January 1 to July 20. Best seen in July and August.

SATURN—From January 1 to February 21; September 2 to December 31. Best seen in February.

Evening Stars

MERCURY—From January 1 to February 2; April 13 to June 3; July 26 to October 3; November 21 to December 31. Best seen about January 18.

VENUS—From April 16 to December 31. Best seen November 10 to 30.

MARS—From January 1 to March 17.

JUPITER—From July 20 to December 31. Best seen in July and August.

SATURN—From February 21 to September 2. Best seen in February and March.

All Night Stars

JUPITER—June through August.

SATURN—January through March.

Eclipses

There will be two eclipses of the sun in 1949 but neither visible in the United States. However, two total eclipses of the moon will be visible over Prairie Farmer Land.

The first on evening of April 12 begins 7:31 Central standard time and ends 50 minutes after midnight morning of 13th. The earth's shadow will completely cover the moon's face from 9:28 to 10:54 on evening of 12th. During this eclipse moon will be only about 221,000 miles from the earth, passing deeply into the shadow of the earth. As a result the total eclipse will last nearly one hour and a half.

Second lunar eclipse will occur on evening of October 6th, beginning 5:50, shortly after moon rise, and ending just after midnight. Total phase of the eclipse will occur between 8:19 and 9:33, during which time moon will be about 250,000 miles from the earth. At this distance the moon will pass through a small part of the earth's conical shadow created by the sun, making its dark passage in one hour and 14 minutes.

Easter Sunday

Easter Sunday was originally planned for the spring full moon period when pilgrimages to the place of worship could be conducted in the cool of the evening by the light of the moon. Hence, Easter was established for the first Sabbath day following the full moon after the beginning of spring.

In 1949 spring begins March 20; following full moon occurs Tuesday, April 12; hence Easter occurs following Sunday, April 17. Easter Sunday will not fall on this date again until 1960. It last occurred on this date in 1938.

"Lost Week End"

The old Julian calendar system lost a day every 128 years, but our present calendar system can run 3,000 years before one astronomical day is lost. In ancient Egyptian times it was discovered that in 1,460 years their system had lost one complete year.

At one time in Roman days, February was the last month of the year.

In 1949 there is one more Saturday than weeks in a year.

Chronological Cycles 1949

Dominical Letter B	Solar Cycle	26
Epact	Roman Indiction ..	2
Golden Number	Julian Period	6662

Among those who are superstitious, 1949 should be considered a rather fortunate year, since it has but one Friday the 13th.

The days of the week and dates of the month are the same in 1949 as they were in 1938. This will not occur again until 1955 with present calendar system.

(Eastern Standard Time)

- ☉ First Quarter
Jan. 7 6 51 am
- ☾ Full Moon
Jan. 14 4 59 pm
- ☾ Last Quarter
Jan. 21 9 07 am
- ☾ New Moon
Jan. 28 9 42 pm



(Central Standard Time)

- ☉ First Quarter
Jan. 7 5 51 am
- ☾ Full Moon
Jan. 14 3 59 pm
- ☾ Last Quarter
Jan. 21 8 07 am
- ☾ New Moon
Jan. 28 8 42 pm

THIS MONTH'S HARVEST—Wheat in Uruguay; corn, Basutaland, Africa; oats, Chile; rye, Argentina; barley, New Zealand; peaches, Brazil; sugar cane, Paraguay; alfalfa, Colombia, S. A.

1st Month ... 31 Days Days Gone 0 Days Left 365	Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio	Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin	Northern Michigan, Minnesota, Northern Wisconsin
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DM	DW	Moon Sign	Sun Slow	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve
1	Sa	☾	3	7 19	4 48	7 00	7 28	4 39	6 51	7 38	4 29	6 41

↓	Length of Day	Length of Night	9h 30m	14h 30m	9h 12m	14h 48m	8h 52m	15h 08m				
2	Su	☾	4	7 19	4 49	8 04	7 28	4 40	7 56	7 38	4 30	7 49
3	Mo	☾	4	7 19	4 50	9 05	7 28	4 41	9 00	7 38	4 31	8 54
4	Tu	☾	5	7 19	4 51	10 04	7 28	4 42	10 01	7 38	4 32	9 58
5	We	☾	5	7 19	4 52	11 03	7 28	4 43	11 02	7 38	4 33	11 01
6	Th	☾	6	7 19	4 53	Morn	7 28	4 44	Morn	7 38	4 34	Morn
7	Fr	☾	6	7 19	4 54	0 01	7 28	4 45	0 02	7 38	4 35	0 04
8	Sa	☾	7	7 19	4 55	0 10	7 28	4 46	1 04	7 38	4 36	1 09

↓	Length of Day	Length of Night	9h 37m	14h 30m	9h 19m	14h 41m	9h 00m	15h 00m				
9	Su	☾	7	7 19	4 56	2 02	7 28	4 47	2 09	7 37	4 37	2 15
10	Mo	☾	7	7 19	4 57	3 08	7 28	4 48	3 17	7 37	4 38	3 25
11	Tu	☾	8	7 19	4 58	4 16	7 28	4 49	4 27	7 37	4 39	4 38
12	We	☾	8	7 19	4 59	5 24	7 28	4 50	5 36	7 37	4 40	5 49
13	Th	☾	9	7 19	5 00	6 29	7 27	4 51	6 42	7 36	4 41	6 56
14	Fr	☾	9	7 18	5 00	RisEv	7 27	4 52	RisEv	7 36	4 43	RisEv
15	Sa	☾	9	7 18	5 01	6 03	7 26	4 53	5 49	7 35	4 44	5 39

↓	Length of Day	Length of Night	9h 44m	14h 16m	9h 28m	14h 32m	9h 10m	14h 50m				
16	Su	☾	10	7 18	5 02	7 17	7 26	4 54	7 10	7 35	4 45	7 03
17	Mo	☾	10	7 18	5 03	8 34	7 25	4 55	8 30	7 34	4 46	8 25
18	Tu	☾	10	7 17	5 04	9 49	7 25	4 56	9 47	7 33	4 48	9 46
19	We	☾	11	7 17	5 06	11 01	7 24	4 58	11 02	7 33	4 49	11 03
20	Th	☾	11	7 16	5 07	Morn	7 24	4 59	Morn	7 32	4 51	Morn
21	Fr	☾	11	7 16	5 08	0 12	7 23	5 00	0 16	7 31	4 52	0 20
22	Sa	☾	12	7 15	5 09	1 23	7 22	5 01	1 30	7 30	4 53	1 37

↓	Length of Day	Length of Night	9h 56m	14h 04m	9h 42m	14h 18m	9h 26m	14h 34m				
23	Su	☾	12	7 14	5 10	2 34	7 21	5 03	2 43	7 29	4 55	2 53
24	Mo	☾	12	7 14	5 12	3 44	7 21	5 04	3 55	7 29	4 56	4 07
25	Tu	☾	12	7 13	5 13	4 48	7 20	5 06	5 02	7 28	4 58	5 15
26	We	☾	13	7 12	5 14	5 47	7 19	5 07	6 01	7 27	4 59	6 15
27	Th	☾	13	7 11	5 15	6 38	7 18	5 08	6 51	7 26	5 00	7 03
28	Fr	☾	13	7 10	5 16	SetEv	7 17	5 09	SetEv	7 25	5 02	SetEv
29	Sa	☾	13	7 10	5 17	5 53	7 17	5 11	5 44	7 24	5 03	5 35

↓	Length of Day	Length of Night	10h 09m	13h 51m	9h 56m	14h 04m	9h 42m	14h 18m				
30	Su	☾	13	7 09	5 18	6 54	7 16	5 12	6 48	7 23	5 05	6 42
31	Mo	☾	13	7 08	5 19	7 54	7 15	5 13	7 50	7 22	5 06	7 47

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 3, 4, 5, 13, 14, 21, 22, 23, 31
Fair: 8, 9, 10, 17, 18, 26, 27
Poor: 1, 2, 11, 12, 28, 29, 30
Bad: 6, 7, 15, 16, 19, 20, 24, 25

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	21, 23	5, 22	3, 8, 10, 13, 14, 26	4, 31
Fair:	17, 18, 29, 30	2, 20, 27	9, 11, 12	1
Poor:	19	7, 28		6
Bad:	15, 16, 25	24		

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN JANUARY

Actually start doing some of the good things which you would like to accomplish this year.

DR. HOLLAND SAYS:

The "holier than thou" person usually—isn't.
Usually: the less spoken, the less to regret.
The oil of gladness has been discovered. It is elbow-grease.
Marrying to suit other people usually brings on a law suit.
Education is what we teach our brains by trying to do things.

HISTORICAL EVENTS
JANUARY

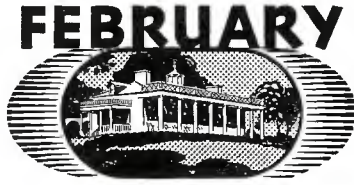
- 1 New Year's Day, 1949.
- 2 U. S. troops evacuated from Nicaragua, 1933.
- 3 First session of 81st Congress convenes, 1949.
- 4 Rhodes Theatre, Boyertown, Pa., burned, 169 killed, 1908.
- 5 George Washington Carver Day, 1949.
- 6 Epiphany, 1949.
- 7 16 below zero at Chicago, Ill., 1912.
- 8 First Soviet ambassador arrived at Washington, 1934.
- 9 First balloon voyage in United States, 1793.
- 10 Penny postage in England inaugurated, 1840.
- 11 Attempt to poison LaSalle in Illinois, 1680.
- 12 John Hancock, American patriot, born 1737.
- 13 First known white man in Alaska, 1711.
- 14 Congress ratified U. S. - Britain treaty, 1784.
- 15 Refused naval equality, Japan left conference, 1936.
- 16 Begin National Thrift Week, 1949.
- 17 Battle of Cowpens, S. C., won by Americans, 1781.
- 18 Daniel Webster, orator and statesman, born 1782.
- 19 Severe cold in Kansas killed 10,000 cattle, 1896.
- 20 President's Inauguration Day, 1949.
- 21 General Goethals, Panama Canal builder, died 1928.
- 22 Atlantic Clipper flew non-stop, Bermuda to Lisbon, 10½ hours, 1941.
- 23 U. S. recognized new Cuban government, 1934.
- 24 Pres. Andrew Johnson faced with impeachment, 1868.
- 25 First transcontinental conversation, 1915.
- 26 Gen. Douglas McArthur born, 1880.
- 27 Spain returned confiscated property to Jesuits, 1940.
- 28 Steamer City of Boston mysteriously disappeared at sea, 1870.
- 29 Carnation Day, 1949.
- 30 Begin National Onion Week, 1949.
- 31 Robert Morris, American Revolution financier, born 1734.

New Year's Day

The year has not always started on January 1. Some nations in the past began their year on Easter Sunday. Others started the year on December 25 before the time of Christ. This date commemorated the beginning of the sun's return from the south, which was then the winter solstice date. In later times such dates as March 21 and 25 began the new year. A hangover of this custom is still seen in some rural sections where farmers buy and sell and move during March. The Hebrew new year can occupy any time from September 5 to October 5, while the Mohammedan year may start on any date during the Gregorian year, depending upon sun and moon relationships. In 1949 the Hebrew year begins September 24 and the Mohammedan, October 24.

(Eastern Standard Time)

- ☾ First Quarter
Feb. 6 _____ 3 05 am
- ☾ Full Moon
Feb. 13 _____ 4 08 am
- ☾ Last Quarter
Feb. 19 _____ 7 43 pm
- ☾ New Moon
Feb. 27 _____ 3 55 pm



(Central Standard Time)

- ☾ First Quarter
Feb. 6 _____ 2 05 am
- ☾ Full Moon
Feb. 13 _____ 3 08 am
- ☾ Last Quarter
Feb. 19 _____ 6 43 pm
- ☾ New Moon
Feb. 27 _____ 2 55 pm

THIS MONTH'S HARVEST — Wheat in valley of Nile; corn, Australai; oats, Cape Colony, Africa; rye, Uruguay; barley, Chile; buckwheat, Victoria, Australia; strawberries, Mexico.

2nd Month ... 28 Days Days Gone ... 31 Days Left ... 334				Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin		
DM	DW	Moon Sign	Sun Slow	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve
1	Tu	☾	14	7 07	5 20	8 54	7 14	5 14	8 51	7 21	5 07	8 50
2	We	☾	14	7 06	5 21	9 52	7 13	5 15	9 52	7 20	5 09	9 53
3	Th	☾	14	7 05	5 23	10 50	7 11	5 17	10 53	7 18	5 10	10 56
4	Fr	☾	14	7 04	5 24	11 50	7 10	5 18	11 55	7 17	5 12	Morn
5	Sa	☾	14	7 03	5 25	Morn	7 09	5 19	Morn	7 16	5 13	0 01
↓ Length of Day Length of Night				10h 24m 13h 36m			10h 12m 13h 48m			9h 59m 14h 01m		
6	Su	☾	14	7 02	5 26	0 52	7 08	5 20	1 00	7 15	5 14	1 08
7	Mo	☾	14	7 01	5 27	1 58	7 07	5 21	2 07	7 13	5 16	2 18
8	Tu	☾	14	7 00	5 29	3 05	7 06	5 23	3 16	7 12	5 17	3 28
9	We	☾	14	6 59	5 30	4 10	7 05	5 24	4 23	7 10	5 19	4 36
10	Th	☾	14	6 58	5 31	5 11	7 04	5 25	5 24	7 09	5 20	5 37
11	Fr	☾	14	6 57	5 32	6 04	7 03	5 26	6 15	7 08	5 21	6 28
12	Sa	☾	14	6 56	5 33	6 49	7 01	5 28	6 58	7 06	5 23	7 07
↓ Length of Day Length of Night				10h 39m 13h 21m			10h 29m 13h 31m			10h 19m 13h 41m		
13	Su	☾	14	6 55	5 34	RisEv	7 00	5 29	RisEv	7 05	5 24	RisEv
14	Mo	☾	14	6 54	5 35	7 27	6 58	5 31	7 25	7 03	5 26	7 22
15	Tu	☾	14	6 53	5 36	8 43	6 57	5 32	8 43	7 02	5 27	8 43
16	We	☾	14	6 52	5 37	9 58	6 56	5 33	10 01	7 00	5 28	10 04
17	Th	☾	14	6 50	5 38	11 12	6 54	5 34	11 17	6 59	5 30	11 23
18	Fr	☾	14	6 49	5 40	Morn	6 53	5 36	Morn	6 57	5 31	Morn
19	Sa	☾	14	6 47	5 41	0 25	6 51	5 37	0 33	6 56	5 33	0 44
↓ Length of Day Length of Night				10h 56m 13h 04m			10h 48m 13h 12m			10h 40m 13h 20m		
20	Su	☾	14	6 46	5 42	1 35	6 50	5 38	1 47	6 54	5 34	1 58
21	Mo	☾	14	6 45	5 43	2 43	6 48	5 39	2 55	6 52	5 35	3 09
22	Tu	☾	14	6 43	5 44	3 44	6 47	5 41	3 54	6 51	5 37	4 12
23	We	☾	14	6 42	5 46	4 37	6 45	5 42	4 46	6 49	5 38	5 03
24	Th	☾	13	6 40	5 47	5 20	6 44	5 44	5 31	6 48	5 40	5 44
25	Fr	☾	13	6 39	5 48	5 56	6 42	5 45	6 05	6 46	5 41	6 16
26	Sa	☾	13	6 38	5 49	6 25	6 41	5 46	6 33	6 44	5 42	6 40
↓ Length of Day Length of Night				11h 14m 12h 46m			11h 08m 12h 52m			11h 02m 12h 58m		
27	Su	☾	13	6 36	5 50	SetEv	6 39	5 47	SetEv	6 42	5 44	SetEv
28	Mo	☾	13	6 35	5 51	6 46	6 38	5 48	6 43	6 41	5 45	6 41

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 1, 9, 10, 11, 18, 19, 27, 28

Poor: 7, 8, 16, 17, 24, 25, 26

Fair: 5, 6, 14, 15, 22, 23

Bad: 2, 3, 4, 12, 13, 20, 21

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	1, 18, 19	27	6, 10, 11, 23	28
Fair:	15, 17	22, 24	8, 9, 26	14
Poor:	4, 16, 20	25		5, 7
Bad:	12	3, 21		2, 13

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN FEBRUARY

This is the month to get Springtime plans into positive form for action. Watch school children, be sure they get plenty of rest. This is most difficult time of year for them. This is the shortest month of the year, but by thoughtful deeds for others you can make it one of the greatest.

Time to catch up with your reading on days when weather is bad. How long since you have written a letter to that old friend? This is a good month for it. Take 10 minutes to inspect heating equipment, stove pipes and chimneys for fire hazards. Order seed catalogs, make garden seed list, send the order.

DR. HOLLAND SAYS:

Our excesses interfere with our successes.

Give little time, socially, to those who do not make you think.

If there is ever a time to do a bad deed, it must be—"Tomorrow."

There is no pleasure as sweet as that which comes from giving pleasure to others.

A man and a maid may "fall" into love, but they must "climb" up into lifelong affection.

HISTORICAL EVENTS
FEBRUARY

- 1 Welton J. Crook, metalurgist, born 1886.
- 2 Groundhog Day, 1949.
- 3 Andrew W. Mellon, ambassador to Great Britain, 1932.
- 4 George Washington unanimously elected president, 1789.
- 5 Dwight L. Moody, evangelist, born 1837.
- 6 Beginning Boy Scout Week, 1949.
- 7 Fire destroyed 2,500 buildings in Baltimore, Md., 1904.
- 8 Ray C. Friesner, Indiana botanist, born 1894.
- 9 Eight-inch snow storm tied up Michigan traffic, 1885.
- 10 William Allen White, journalist, born 1868.
- 11 Samuel B. Spreng, Illinois bishop, born 1853.
- 12 John L. Lewis, mine worker organizer, born 1880.
- 13 Septuagesima Sunday, 1949.
- 14 St. Valentine's Day, 1949.
- 15 75-degree temperatures in Illinois and Indiana, 1779.
- 16 Grant took Fort Donelson, Tenn., 1862.
- 17 Supreme Court upheld TVA's right to maintain power lines, 1936.
- 18 Jefferson Davis inaugurated president of Southern Confederacy, 1861.
- 19 Japan started invasion of Jehol Province, 1933.
- 20 Beginning National Brotherhood Week, 1949.
- 21 U. S. Army dirigible Roma exploded, killing 34, 1912.
- 22 George Washington born, 1732.
- 23 Mexicans defeated at battle of Buena Vista, 1847.
- 24 New England 4-day storm left 20 feet of snow, 1717.
- 25 First United States bank established, 1791.
- 26 John Groth, cartoonist and artist, born 1908.
- 27 Shrove Sunday, 1949.
- 28 Earthquake in northeast United States, 1925.

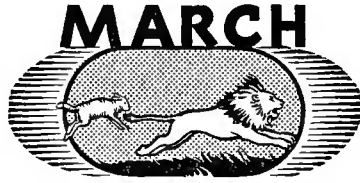
Lead in Cheesemaking

Wisconsin is the first state in cheesemaking, and Illinois is now second in production. In 1919 less than 5 million pounds of cheese was produced in Illinois, but between 1932 and 1942 there was an increase of 787%, making a total annual production of about 85 million pounds. In 1946, Illinois produced almost 64 million pounds of American, 6½ million of Swiss and ¾ million pounds of brick cheese. Oldest cheese factories are in the northwestern part of the state.

It is estimated that the mud carried downstream by the Ohio River at flood time is equal to the total topsoil of a 40-acre farm every minute. Such loss can be stopped by modern soil conservation methods, such as terracing and strip cropping.

(Eastern Standard Time)

- ☾ First Quarter
March 7 7 42 pm
- ☾ Full Moon
March 14 2 03 pm
- ☾ Last Quarter
March 21 8 10 am
- ☾ New Moon
March 29 10 11 am



(Central Standard Time)

- ☾ First Quarter
March 7 6 42 pm
- ☾ Full Moon
March 14 1 03 pm
- ☾ Last Quarter
March 21 7 10 am
- ☾ New Moon
March 29 9 11 am

DR. HOLLAND SAYS:

The most foolish spendthrift is he who squanders his health.

Democracy can be killed by only one enemy. His name is Indifference.

Young man: keep away from low people if you expect to be rated high.

The person who is content to know little, will know less and less as he grows older.

Have you taken the trouble today to look for Joy? Or have today's troubles shaded her face?

THIS MONTH'S HARVEST—Wheat in Egypt; corn, Java; oats, India; cotton, Brazil; potatoes, Tasmania; tomatoes, South Africa; grapes, Chile; apples, Uruguay; carrots, New South Wales.

3rd Month ... 31 Days Days Gone ... 59 Days Left ... 306	Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio	Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin	Northern Michigan, Minnesota, Northern Wisconsin
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DM	DW	Moon Sign	Sun Slow	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve
1	Tu	☾	13	6 33	5 52	7 44	6 36	5 49	7 44	6 39	5 47	7 44
2	We	☾	12	6 32	5 53	8 42	6 35	5 50	8 44	6 37	5 48	8 47
3	Th	☾	12	6 30	5 54	9 41	6 33	5 51	9 46	6 35	5 49	9 51
4	Fr	☾	12	6 29	5 55	10 43	6 31	5 53	10 49	6 33	5 51	10 57
5	Sa	☾	12	6 27	5 56	11 46	6 30	5 54	11 55	6 32	5 52	Morn

Length of Day	Length of Night	11h 31m	12h 29m	11h 28m	12h 32m	11h 24m	12h 36m				
6 Su	☾	12	6 26	5 57	Morn	6 28	5 56	Morn	6 30	5 54	0 05
7 Mo	☾	11	6 24	5 58	0 51	6 26	5 57	1 03	6 28	5 55	1 14
8 Tu	☾	11	6 23	5 59	1 55	6 24	5 58	2 08	6 26	5 56	2 21
9 We	☾	11	6 22	6 00	2 56	6 23	5 59	3 10	6 24	5 57	3 24
10 Th	☾	11	6 20	6 01	3 52	6 21	6 00	4 04	6 23	5 59	4 17
11 Fr	☾	10	6 19	6 02	4 39	6 20	6 01	4 50	6 21	6 00	5 00
12 Sa	☾	10	6 18	6 03	5 18	6 18	6 02	5 26	6 19	6 01	5 35

Length of Day	Length of Night	11h 48m	12h 12m	11h 47m	12h 13m	11h 45m	12h 15m				
13 Su	☾	10	6 16	6 04	5 52	6 16	6 03	5 57	6 17	6 02	6 03
14 Mo	☾	9	6 15	6 05	RisEv	6 15	6 04	RisEv	6 15	6 04	RisEv
15 Tu	☾	9	6 13	6 06	7 32	6 13	6 06	7 33	6 14	6 05	7 35
16 We	☾	9	6 12	6 07	8 49	6 12	6 07	8 53	6 12	6 07	8 58
17 Th	☾	9	6 10	6 08	10 05	6 10	6 08	10 13	6 10	6 08	10 21
18 Fr	☾	8	6 08	6 09	11 21	6 08	6 09	11 31	6 08	6 09	11 42
19 Sa	☾	8	6 06	6 10	Morn	6 06	6 10	Morn	6 06	6 10	Morn

Length of Day	Length of Night	12h 06m	11h 54m	12h 06m	11h 54m	12h 07m	11h 53m				
20 Su	☾	8	6 05	6 11	0 33	6 05	6 11	0 44	6 05	6 12	0 58
21 Mo	☾	7	6 03	6 12	1 38	6 03	6 12	1 51	6 03	6 13	2 05
22 Tu	☾	7	6 01	6 13	2 34	6 01	6 13	2 47	6 01	6 14	3 01
23 We	☾	7	5 59	6 14	3 20	5 59	6 14	3 33	5 59	6 15	3 45
24 Th	☾	7	5 58	6 15	3 58	5 57	6 16	4 09	5 57	6 17	4 19
25 Fr	☾	6	5 56	6 17	4 29	5 56	6 17	4 37	5 55	6 18	4 46
26 Sa	☾	6	5 55	6 18	4 55	5 54	6 18	5 01	5 53	6 20	5 08

Length of Day	Length of Night	12h 26m	11h 34m	12h 28m	11h 32m	12h 30m	11h 30m				
27 Su	☾	6	5 53	6 19	5 18	5 52	6 20	5 22	5 51	6 21	5 26
28 Mo	☾	5	5 52	6 20	5 38	5 50	6 21	5 41	5 49	6 22	5 42
29 Tu	☾	5	5 50	6 21	SetEv	5 49	6 22	SetEv	5 47	6 23	SetEv
30 We	☾	5	5 49	6 21	7 35	5 47	6 23	7 40	5 46	6 25	7 42
31 Th	☾	4	5 47	6 22	8 36	5 46	6 24	8 42	5 44	6 26	8 48

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 9, 10, 17, 18, 26, 27, 28
Fair: 4, 5, 6, 13, 14, 21, 22, 23

Poor: 7, 8, 15, 16, 24, 25

Bad: 1, 2, 3, 11, 12, 19, 20, 29, 30, 31

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	1, 17, 18, 26, 28	22, 27	9, 10	
Fair:	15, 16, 21, 23	5, 6, 24	7, 31	4, 13, 14
Poor:	20, 25	30	3	8
Bad:	19	2	29	11, 12

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN MARCH

This month is time to start making plans work. Time for a general "clean-up" around the place, not only for looks, but for safety from fire and accident.

Rush overhauling of farm machinery, get all repairs ordered. If new neighbors have moved into the community, make them welcome.

HISTORICAL EVENTS MARCH

- 1 Shrove Tuesday, 1949.
- 2 Ash Wednesday, 1949.
- 3 Missouri Compromise adopted, 1820.
- 4 Cotton gin patented, 1794.
- 5 Boston massacre, 1770.
- 6 First Sunday in Lent, 1949.
- 7 First two-way radio conversation between England and U. S., 1926.
- 8 William Howard Taft died, 1930.
- 9 Prayer Day for crops and industry, 1949.
- 10 Barry Fitzgerald, movie actor, born 1888.
- 11 Great blizzard began in Eastern states, 1888.
- 12 Match King Ivar Kreuger committed suicide, 1932.
- 13 Beginning Girl Scout Week, 1949.
- 14 Pope victorious in battle at New Madrid, Mo., 1862.
- 15 American victory in battle of Guilford Courthouse, N. C., 1781.
- 16 West Point Military Academy established, 1802.
- 17 St. Patrick's Day, 1949.
- 18 Seven tornadoes in Central states killed 792, injured 3,033 people, 1925.
- 19 William Jennings Bryan born, 1860.
- 20 Mussolini petitioned for revision of peace treaties, 1933.
- 21 Violent winds in Southeastern states killed 360 people, 1932.
- 22 Treaty brought 50 years' peace between English and Wamponoag Indians, 1621.
- 23 French seized and sold 132 American vessels, 1810.
- 24 Thomas E. Dewey born, 1902.
- 25 Coxey's Army started march to Washington, D. C., 1894.
- 26 Burton O. Gammon, cattle breeder, born 1881.
- 27 Mid-Lent Sunday, 1949.
- 28 First steamboat started voyage across Atlantic ocean, 1819.
- 29 Battleship Osage blown up, 1865.
- 30 15th Amendment to Constitution adopted, 1870.
- 31 Treasury building at Washington burned, 1833.

How Much Fence?

Average Indiana farm has about seven rods of fence for each acre of land. That makes a total of about 425,000 miles of farm fence in the state. Of this, about 69% is woven wire, 27% barbed wire, and the rest is electric, hedge, rail, stone, etc. So says Purdue University.

The first sweet clover seed brought to this country is believed to have come in ships' ballast, probably to New Orleans, in the early 1700's. For a long time it was regarded as a weed, until its value as a soil builder was understood.

Pound for pound, grass silage is not as high in feed value as corn silage, and needs supplementary grain.

(Eastern Standard Time)

- ☉ First Quarter
April 6 8 01 am
- ☾ Full Moon
April 12 11 08 pm
- ☾ Last Quarter
April 19 10 27 pm
- ☾ New Moon
April 28 3 02 am



(Central Standard Time)

- ☉ First Quarter
April 6 7 01 am
- ☾ Full Moon
April 12 10 08 pm
- ☾ Last Quarter
April 19 9 27 pm
- ☾ New Moon
April 28 2 02 am

THIS MONTH'S HARVEST—Wheat in French North Africa; corn, Argentina; oats, Gengal, India; barley, Egypt; rice, Burma, India; alfalfa, Mexico; cotton, Bolivia; grapes, Tasmania.

4th Month — 30 Days Days Gone 30 Days Left 275		Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin				
DM	DW	Moon Sign	Sun Slow	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve
1	Fr	☾	4	5 46	6 23	9 39	5 44	6 25	9 47	5 42	6 27	9 55
2	Sa	☾	4	5 44	6 24	10 42	5 42	6 26	10 53	5 40	6 28	11 04
∇	Length of Day Length of Night			12h 42m 11h 18m			12h 47m 11h 13m			12h 51m 11h 09m		
3	Su	☾	4	5 43	6 25	11 47	5 40	6 27	11 59	5 38	6 29	Morn
4	Mo	☾	3	5 41	6 26	Morn	5 39	6 29	Morn	5 37	6 31	0 12
5	Tu	☾	3	5 40	6 27	0 48	5 37	6 30	1 02	5 35	6 32	1 16
6	We	☾	3	5 38	6 28	1 44	5 35	6 31	1 57	5 33	6 33	2 11
7	Th	☾	2	5 36	6 29	2 33	5 33	6 32	2 44	5 31	6 34	2 57
8	Fr	☾	2	5 35	6 30	3 14	5 32	6 33	3 23	5 29	6 36	3 33
9	Sa	☾	2	5 33	6 31	3 49	5 30	6 34	3 55	5 28	6 37	4 02
∇	Length of Day Length of Night			13h 00m 11h 00m			13h 06m 10h 54m			13h 13m 10h 47m		
10	Su	☾	2	5 32	6 32	4 19	5 29	6 35	4 22	5 26	6 39	4 27
11	Mo	☾	1	5 30	6 33	4 46	5 27	6 36	4 47	5 24	6 40	4 48
12	Tu	☾	1	5 29	6 34	RisEv	5 25	6 37	RisEv	5 22	6 41	RisEv
13	We	☾	1	5 27	6 35	7 37	5 24	6 38	7 43	5 20	6 42	7 49
14	Th	☾	0	5 26	6 36	8 55	5 22	6 40	9 04	5 19	6 44	9 14
15	Fr	☾	0	5 24	6 37	10 11	5 21	6 41	10 23	5 17	6 45	10 35
16	Sa	☾	Fast	5 23	6 38	11 22	5 19	6 42	11 36	5 15	6 46	11 50
∇	Length of Day Length of Night			13h 18m 10h 42m			13h 26m 10h 34m			13h 34m 10h 26m		
17	Su	☾	0	5 21	6 39	Morn	5 17	6 43	Morn	5 13	6 47	Morn
18	Mo	☾	1	5 20	6 40	0 25	5 16	6 44	0 39	5 11	6 48	0 52
19	Tu	☾	1	5 18	6 41	1 17	5 14	6 45	1 30	5 10	6 50	1 42
20	We	☾	1	5 17	6 42	1 59	5 13	6 46	2 09	5 08	6 51	2 21
21	Th	☾	1	5 15	6 43	2 32	5 11	6 47	2 41	5 06	6 52	2 50
22	Fr	☾	1	5 14	6 44	3 00	5 09	6 48	3 07	5 04	6 53	3 14
23	Sa	☾	2	5 13	6 45	3 23	5 08	6 49	3 28	5 03	6 54	3 33
∇	Length of Day Length of Night			13h 34m 10h 26m			13h 45m 10h 15m			13h 55m 10h 05m		
24	Su	☾	2	5 11	6 45	3 44	5 06	6 51	3 47	5 01	6 56	3 50
25	Mo	☾	2	5 10	6 46	4 05	5 05	6 52	4 05	5 00	6 57	4 05
26	Tu	☾	2	5 09	6 47	4 24	5 03	6 53	4 23	4 58	6 58	4 21
27	We	☾	2	5 08	6 48	4 46	5 02	6 54	4 42	4 56	6 59	4 38
28	Th	☾	2	5 07	6 49	SetEv	5 01	6 55	SetEv	4 55	7 01	SetEv
29	Fr	☾	3	5 05	6 50	8 35	4 59	6 56	8 45	4 53	7 02	8 55
30	Sa	☾	3	5 04	6 51	9 40	4 58	6 57	9 51	4 52	7 04	10 04

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 5, 6, 14, 15, 22, 23, 24

Poor: 3, 4, 12, 13, 20, 21, 30

Fair: 1, 2, 10, 11, 18, 19, 28, 29

Bad: 7, 8, 9, 16, 17, 25, 26, 27

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	24	5, 6, 28	23	14, 15
Fair:	1, 12, 13, 18	4, 21	2, 9, 10, 11, 29	30
Poor:	20, 22	19, 25	3	
Bad:	16, 17, 27		7, 8, 26	

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 3.

LET'S DO IT IN APRIL

As you take down the storm windows, paint the sash before you stack them away for the summer.
Get garden soil ready as early as possible, and plant both garden peas and sweet peas.

Transplant trees and shrubs.
Plan two sprayers, one for DDT for flies, the other for 2,4-D for weeds.
Check up on garden tools, have them ready.
Buy a new flat file to keep the hoes sharp.

DR. HOLLAND SAYS:

Light thinking makes the heart heavy.

He who would excel must ever ponder the remark: "Nothing good is easy."

The highest plane of living is generally maintained by plain people.

They who keep the Golden Rule do not have the itch to rule others.

One of the best ingredients of pure religion is a wholesome self-respect.

HISTORICAL EVENTS
APRIL

- 1 All Fool's Day, 1949.
- 2 Charles Hall obtained patent for making aluminum, 1889.
- 3 Passion Sunday, 1949.
- 4 William Harrison, after one month as president U. S., died 1841.
- 5 Sir Joseph Lister, adapting antiseptics to surgery, born 1827.
- 6 Army Day, 1949.
- 7 Ohio settled at Marietta by Rufus Putnam, 1778.
- 8 William Welch, bacteriologist, born 1850.
- 9 LaSalle claimed Mississippi valley for France, 1682.
- 10 Palm Sunday, 1949.
- 11 End of Queen Anne's War gave England Hudson Bay region, 1713.
- 12 Civil War began, 1861.
- 13 Detroit-Chicago freight airline established, 1925.
- 14 Maundy Thursday; also first day of Jewish Passover, 1949.
- 15 Good Friday, 1949.
- 16 Holy Saturday, 1949.
- 17 Easter Sunday, 1949.
- 18 Ernie Pyle, World War II correspondent, died 1945.
- 19 Revolutionary War began, 1775.
- 20 Gosport navy yard at Norfolk, Va., burned, 1861.
- 21 Sherman-Johnson treaty rejected at Washington, 1865.
- 22 Oklahoma opened to homesteaders, 1889.
- 23 Joseph Turner, landscape painter, born 1775.
- 24 Low Sunday, 1949.
- 25 Oliver Cromwell, who established British Commonwealth, born 1599.
- 26 Mexican War began, 1864.
- 27 Union blockade of Atlantic ports proclaimed, 1861.
- 28 Battle of Dover Road, N. C., 1863.
- 29 American ship "Peacock" captured British brig off Florida, 1814.
- 30 George Washington took oath of president, 1789.

Ten Tons of Grass

Every dairy cow in full production needs 100 pounds of grass daily. When the pasture season reaches from April to November, this would add up to 10 tons of grass, pointing the need for improved pasture crops. Milk produced on good pasture costs about one-seventh as much as on winter feed, says Purdue University.

The honeybee is a busy worker, but a single bee collects only about a quarter-ounce of honey in a season. That means that a worker bee would have to live 64 years in order to collect a pound of honey. During the working season, the average worker lives only three to four weeks.

If all the milk produced in this country in 1947 were used for drinking, it would have made about a quart per day for each person in the United States.

(Eastern Standard Time)

- ☾ First Quarter
May 5 4 33 pm
- ☾ Full Moon
May 12 7 51 am
- ☾ Last Quarter
May 19 2 22 pm
- ☾ New Moon
May 27 5 24 am



(Central Standard Time)

- ☾ First Quarter
May 5 3 33 pm
- ☾ Full Moon
May 12 6 51 am
- ☾ Last Quarter
May 19 1 22 pm
- ☾ New Moon
May 27 4 24 am

THIS MONTH'S HARVEST—Wheat in Portugal; oats, West Indies; rye, Algeria; barley, Turkey; cotton, Uruguay; forage, Italy; oranges, Paraguay; potatoes, Tunisia; peanuts, French West Africa.

5th Month — 31 Days Days Gone — 120 Days Left — 245		Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin				
DM	DW	Moon Sign	Sun Fast	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve
↓				13h 49m 10h 11m			14h 01m 9h 59m			14h 15m 9h 45m		
1	Su	☾	3	5 03	6 52	10 42	4 57	6 58	10 55	4 50	7 05	11 09
2	Mo	☾	3	5 02	6 53	11 40	4 56	6 59	11 53	4 49	7 06	Morn
3	Tu	☾	3	5 01	6 54	Morn	4 54	7 00	Morn	4 47	7 07	0 07
4	We	☾	3	4 59	6 55	0 30	4 53	7 02	0 43	4 46	7 09	0 55
5	Th	☾	3	4 58	6 56	1 13	4 51	7 03	1 23	4 44	7 10	1 33
6	Fr	☾	3	4 57	6 57	1 48	4 50	7 04	1 56	4 43	7 11	2 05
7	Sa	☾	3	4 56	6 58	2 19	4 49	7 05	2 24	4 42	7 12	2 30
↓				14h 04m 9h 56m			14h 18m 9h 42m			14h 33m 9h 27m		
8	Su	☾	4	4 55	6 59	2 47	4 48	7 06	2 49	4 40	7 13	2 51
9	Mo	☾	4	4 53	7 00	3 13	4 46	7 07	3 12	4 39	7 15	3 12
10	Tu	☾	4	4 52	7 01	3 39	4 45	7 08	3 35	4 37	7 16	3 33
11	We	☾	4	4 51	7 02	4 07	4 44	7 09	4 01	4 36	7 17	3 56
12	Th	☾	4	4 50	7 03	RisEv	4 43	7 10	RisEv	4 35	7 18	RisEv
13	Fr	☾	4	4 49	7 04	9 00	4 42	7 11	9 11	4 34	7 19	9 25
14	Sa	☾	4	4 48	7 05	10 08	4 40	7 13	10 21	4 32	7 21	10 35
↓				14h 19m 9h 41m			14h 35m 9h 25m			14h 51m 9h 09m		
15	Su	☾	4	4 47	7 06	11 06	4 39	7 14	11 19	4 31	7 22	11 33
16	Mo	☾	4	4 46	7 07	11 53	4 38	7 15	Morn	4 30	7 23	Morn
17	Tu	☾	4	4 45	7 08	Morn	4 37	7 16	0 05	4 29	7 24	0 08
18	We	☾	4	4 45	7 09	0 31	4 36	7 17	0 41	4 28	7 25	0 51
19	Th	☾	4	4 44	7 09	1 02	4 36	7 17	1 09	4 27	7 26	1 17
20	Fr	☾	4	4 44	7 10	1 27	4 35	7 18	1 32	4 26	7 27	1 38
21	Sa	☾	4	4 43	7 11	1 49	4 34	7 19	1 52	4 25	7 28	1 55
↓				14h 30m 9h 30m			14h 47m 9h 18m			15h 05m 8h 55m		
22	Su	☾	4	4 42	7 12	2 10	4 33	7 20	2 11	4 24	7 29	2 12
23	Mo	☾	3	4 42	7 12	2 29	4 33	7 21	2 29	4 23	7 30	2 27
24	Tu	☾	3	4 41	7 13	2 50	4 32	7 21	2 47	4 23	7 31	2 44
25	We	☾	3	4 41	7 13	3 12	4 32	7 22	3 08	4 22	7 32	3 02
26	Th	☾	3	4 40	7 14	3 39	4 31	7 23	3 31	4 21	7 33	3 23
27	Fr	☾	3	4 39	7 15	SetEv	4 30	7 24	SetEv	4 20	7 34	SetEv
28	Sa	☾	3	4 39	7 16	8 34	4 29	7 25	8 47	4 19	7 35	9 00
↓				14h 38m 9h 22m			14h 57m 9h 03m			15h 17m 8h 43m		
29	Su	☾	3	4 38	7 16	9 35	4 29	7 26	9 48	4 19	7 36	10 02
30	Mo	☾	3	4 38	7 17	10 23	4 28	7 27	10 40	4 18	7 37	10 53
31	Tu	☾	3	4 37	7 18	11 13	4 27	7 28	11 23	4 17	7 38	11 35

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 2, 3, 4, 11, 12, 20, 21, 30, 31

Poor: 1, 9, 10, 17, 18, 19, 27, 28, 29

Fair: 7, 8, 15, 16, 25, 26

Bad: 5, 6, 13, 14, 22, 23, 24

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	16, 25, 30, 31	2, 3, 4	20, 21	7, 11, 12
Fair:	15, 17, 18, 19, 29	1	6, 8, 26	9, 10, 27
Poor:	23	28		5
Bad:	13, 14		22, 24	

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN MAY

Good time to paint the back door, or do that other minor painting job. Last call to sprinkle fertilizer around small trees, grapes and shrubs.

DR. HOLLAND SAYS:

The early "parker" gets the space. All is not well that ends swell. Every successful person must become his own fault fixer. A man with hate in his heart is as useless as a giraffe with a sore throat. Few men who have inherited have the sense to die with the cents they inherited.

**HISTORICAL EVENTS
MAY**

- 1 National Child Health Day, 1949.
- 2 Stonewall Jackson shot, 1863.
- 3 First medical school in United States, 1765.
- 4 Walt Mason, poet, born 1862.
- 5 McClellan defeated in battle of Williamsburg, Va., 1862.
- 6 Arbor Day, 1949.
- 7 Germany surrendered to Allies, 1945.
- 8 Mother's Day, 1949.
- 9 Lieut. Byrd flew over north pole, 1926.
- 10 Dust of Western plains dimmed sunlight over Eastern states, 1934.
- 11 Irving Berlin, composer, born 1888.
- 12 Hospital Day, 1949.
- 13 Mexican belated declaration of war, 1846.
- 14 Fahrenheit, inventor of thermometer, born 1686.
- 15 Citizenship Day, 1949.
- 16 Wm. Seward, secretary of state under Lincoln, born 1801.
- 17 Pere Marquette started Midwest exploration, 1673.
- 18 Napoleon Bonaparte proclaimed Emperor of France, 1804.
- 19 Mexico signed peace treaty with United States, 1848.
- 20 Christopher Columbus died, 1506.
- 21 Glenn Curtiss, airplane builder, born 1878.
- 22 National Maritime Day and Rural Life Sunday, 1949.
- 23 James Eads, constructing engineer of Mississippi jetties, born 1820.
- 24 B. & O. started first horse-drawn passenger cars, 1830.
- 25 Ralph Waldo Emerson, poet, born 1803.
- 26 Ascension Day, 1949.
- 27 Prof. August Piccard ascended 52,000 feet in balloon, 1931.
- 28 Poppy Day, 1949.
- 29 Patrick Henry, statesman, born 1736.
- 30 Memorial Day, 1949.
- 31 British Peace Commission arrived at Philadelphia, 1778.

If you had a million dollars worth of pennies, it would make a stack 12 feet square and 24 feet high. However, in a space five feet square and 10 feet high, you could stack 158 million dollars worth of gold ingots, if you had the ingots. So says the U. S. Mint.

Authorities now recognize that honey production is only one of the important results of beekeeping. Many garden, field and orchard crops are greatly improved by pollination as provided by bees.

To determine the capacity of a rectangular cistern, in gallons, multiply 7.5 by the length in feet, by the width, by the depth.

Latest estimate shows more than 9,000 airplanes are used on farms throughout the country.

Babies are being born in the United States at the rate of 3,910,000 a year.

(Eastern Standard Time)

- ☾ First Quarter
June 3 10 27 pm
- ☾ Full Moon
June 10 4 45 pm
- ☾ Last Quarter
June 18 7 29 am
- ☾ New Moon
June 26 5 02 am



(Central Standard Time)

- ☾ First Quarter
June 3 9 27 pm
- ☾ Full Moon
June 10 3 45 pm
- ☾ Last Quarter
June 18 6 29 am
- ☾ New Moon
June 26 4 02 am

THIS MONTH'S HARVEST—Wheat in Japan; corn, South Africa; oats, Cuba; rye, Bulgaria; barley, Austria; rice, Ceylon; sugar cane, Madagascar; roses (for perfume), Saxony.

6th Month — 30 Days		Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin				
DM	DW	Moon Sign	Sun Fast	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Morn
1	We	☾	2	4 37	7 19	11 50	4 27	7 29	11 59	4 17	7 39	Morn
2	Th	☾	2	4 36	7 20	Morn	4 26	7 30	Morn	4 16	7 40	0 07
3	Fr	☾	2	4 36	7 20	0 21	4 26	7 30	0 28	4 16	7 40	0 34
4	Sa	☾	2	4 35	7 21	0 50	4 25	7 31	0 53	4 15	7 41	0 56
5	Su	☾	2	4 35	7 22	1 15	4 25	7 32	1 16	4 15	7 42	1 16
6	Mo	☾	2	4 35	7 23	1 40	4 25	7 33	1 38	4 15	7 43	1 36
7	Tu	☾	1	4 35	7 23	2 06	4 25	7 33	2 03	4 14	7 43	1 58
8	We	☾	1	4 34	7 24	2 37	4 24	7 34	2 30	4 14	7 44	2 22
9	Th	☾	1	4 34	7 24	3 12	4 24	7 34	3 03	4 13	7 44	2 52
10	Fr	☾	1	4 34	7 25	RisEv	4 24	7 35	RisEv	4 13	7 45	RisEv
11	Sa	☾	1	4 34	7 25	8 51	4 24	7 35	9 05	4 13	7 46	9 19
12	Su	☾	0	4 34	7 26	9 44	4 24	7 36	9 57	4 13	7 46	10 09
13	Mo	☾	0	4 33	7 26	10 27	4 23	7 36	10 37	4 12	7 47	10 48
14	Tu	☾	0	4 33	7 27	11 00	4 23	7 37	11 09	4 12	7 47	11 18
15	We	☾	Slow	4 33	7 27	11 28	4 23	7 37	11 34	4 12	7 48	11 41
16	Th	☾	0	4 33	7 27	11 51	4 23	7 37	11 55	4 12	7 48	11 59
17	Fr	☾	1	4 33	7 28	Morn	4 23	7 38	Morn	4 12	7 49	Morn
18	Sa	☾	1	4 34	7 28	0 12	4 24	7 38	0 15	4 13	7 49	0 16
19	Su	☾	1	4 34	7 29	0 33	4 24	7 39	0 33	4 13	7 50	0 32
20	Mo	☾	1	4 34	7 29	0 53	4 24	7 39	0 51	4 13	7 50	0 48
21	Tu	☾	1	4 34	7 29	1 15	4 24	7 39	1 11	4 13	7 50	1 06
22	We	☾	2	4 34	7 29	1 40	4 24	7 39	1 33	4 13	7 50	1 26
23	Th	☾	2	4 35	7 30	2 09	4 25	7 40	2 00	4 14	7 51	1 50
24	Fr	☾	2	4 35	7 30	2 45	4 25	7 40	2 33	4 14	7 51	2 22
25	Sa	☾	2	4 35	7 30	3 29	4 25	7 40	3 16	4 14	7 51	3 03
26	Su	☾	3	4 35	7 30	SetEv	4 25	7 40	SetEv	4 14	7 51	SetEv
27	Mo	☾	3	4 36	7 30	9 10	4 26	7 40	9 21	4 15	7 51	9 34
28	Tu	☾	3	4 36	7 30	9 51	4 26	7 40	10 00	4 15	7 50	10 09
29	We	☾	3	4 37	7 30	10 24	4 27	7 40	10 31	4 16	7 50	10 37
30	Th	☾	3	4 37	7 30	10 53	4 27	7 40	10 57	4 16	7 50	11 01

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

- Good: 7, 8, 16, 17, 18, 26, 27
 Fair: 3, 4, 12, 13, 21, 22, 23, 30
 Poor: 5, 6, 14, 15, 24, 25
 Bad: 1, 2, 9, 10, 11, 19, 20, 28, 29

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	12, 13, 16, 22, 23, 26, 27	17, 18		4, 7, 8, 9
Fair:	14, 15	3, 21	24, 30	5, 6
Poor:	20	24, 25	28	2
Bad:		1, 19		29

10 and 11—Fair around midnight.

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN JUNE

- Take a few moments each day to enjoy the flower garden.
- Study out the best location for a fire cistern, and plan to build one.
- Send a greeting card to your friends who have wedding anniversaries.
- Time to start using the sprayer with 2,4-D for keeping weeds down.

DR. HOLLAND SAYS:

Prayer is a sincere wish turned Godward.

When we really love people we stop judging them.

No one can maintain high convictions and indulge in low conduct.

Dream, my son, but not too much, or you'll develop a wishbone de luxe.

The greatest thing ever said about earth's greatest Man was: "He went about doing good."

HISTORICAL EVENTS
JUNE

- 1 Brigham Young, born 1801.
- 2 Pope Pius X, born 1835.
- 3 First day of Jewish Pentecost, 1949.
- 4 Sitka, Alaska, founded, 1799.
- 5 Whitsunday, 1949.
- 6 Nathan Hale, Revolutionary War hero, born 1755.
- 7 Beau Brummel, fashion leader, born 1778.
- 8 Giuseppe Guarnerius, famous Italian violin maker, born 1683.
- 9 George Stephenson, railroad builder, born 1781.
- 10 J. H. Payne, author of "Home, Sweet Home," born 1791.
- 11 Federal Farm Board created, 1929.
- 12 Trinity Sunday, 1949.
- 13 "Red" Grange, football idol, born 1903.
- 14 Flag Day, 1949.
- 15 George Washington made commander-in-chief of army, 1775.
- 16 Corpus Christi, 1949.
- 17 Marquette, first man in Iowa, 1673.
- 18 Hail storm killed 800 sheep in Colorado, 1946.
- 19 Father's Day, 1949.
- 20 Great seal of United States adopted, 1782.
- 21 Rockwell Kent, famous American artist, born 1882.
- 22 Jim Tully, noted tree surgeon, died 1947.
- 23 Irvin S. Cobb, humorist, born 1876.
- 24 Cabot discovered North America, 1497.
- 25 United Nations charter adopted, 1945.
- 26 United States troops arrived in France, 1917.
- 27 McClellan battled Lee at Gaines' Mill, 1862.
- 28 U. S. ship "Wasp" captured British sloop near English coast, 1814.
- 29 George Goethals, Panama Canal builder, born 1858.
- 30 Indian Territory established, 1834.

How Lespedeza Started

Less than 30 years ago a missionary in Korea sent a small package of seed to the U. S. Department of Agriculture. It was sown at the government farm at Beltsville, Maryland, and from it has come the entire national crop of Korean Lespedeza, worth more than \$200,000,000 a year. The USDA figures it spent about \$75,000 in developing the seed supply. Lespedeza not only makes excellent hay, but is a valuable crop on soils of low fertility.

Of the total area of Illinois, 35 million acres, almost 50% was originally covered with forest. In recent years, only about 10% has remained in forest. Much lumber is produced in more than 1,000 Illinois sawmills, but the state uses about 20 times as much lumber as it produces.

The dairy cow population of Wisconsin is reported as approximately 63% Holstein, 28% Guernsey, 3% Brown Swiss, and all other breeds 6%.

(Eastern Standard Time)

- ☾ First Quarter
July 8 _____ 3 08 am
- ☾ Full Moon
July 10 _____ 2 41 am
- ☾ Last Quarter
July 18 _____ 1 01 am
- ☾ New Moon
July 25 _____ 2 33 pm



(Central Standard Time)

- ☾ First Quarter
July _____ 2 08 am
- ☾ Full Moon
July 10 _____ 1 41 am
- ☾ Last Quarter
July 18 _____ 0 01 am
- ☾ New Moon
July 25 _____ 1 33 pm

THIS MONTH'S HARVEST—Wheat in British Isles; corn, South Africa; oats, Russia; rye, Italy; barley, Poland; rice, southern China; clover, Austria; flax, Germany.

7th Month ... 31 Days Days Gone ... 181 Days Left ... 184				Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin		
DM	DW	Moon Sign	Sun Slow	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve
1	Fr	☾	4	4 37	7 30	11 18	4 27	7 40	11 21	4 17	7 50	11 22
2	Sa	☾	4	4 38	7 30	11 44	4 28	7 40	11 43	4 17	7 50	11 41
↓	Length of Day Length of Night			14h 51m 9h 09m			15h 11m 8h 49m			15h 31m 8h 29m		
3	Su	☾	4	4 38	7 29	Morn	4 28	7 39	Morn	4 18	7 49	Morn
4	Mo	☾	4	4 39	7 29	0 10	4 29	7 39	0 06	4 18	7 49	0 02
5	Tu	☾	4	4 39	7 29	0 38	4 29	7 39	0 31	4 19	7 49	0 25
6	We	☾	4	4 40	7 29	1 10	4 30	7 39	1 01	4 20	7 49	0 52
7	Th	☾	5	4 41	7 28	1 50	4 31	7 38	1 38	4 20	7 48	1 26
8	Fr	☾	5	4 41	7 28	2 38	4 31	7 38	2 24	4 21	7 48	2 10
9	Sa	☾	5	4 42	7 27	3 34	4 32	7 37	3 20	4 21	7 47	3 06
↓	Length of Day Length of Night			14h 44m 9h 16m			15h 04m 8h 56m			15h 25m 8h 35m		
10	Su	☾	5	4 43	7 27	RisEv	4 33	7 37	RisEv	4 22	7 47	RisEv
11	Mo	☾	5	4 44	7 27	8 58	4 34	7 36	9 07	4 23	7 46	9 17
12	Tu	☾	5	4 44	7 26	9 28	4 35	7 36	9 35	4 24	7 46	9 43
13	We	☾	5	4 45	7 26	9 53	4 35	7 35	9 58	4 25	7 45	10 04
14	Th	☾	6	4 45	7 25	10 15	4 36	7 35	10 18	4 26	7 45	10 21
15	Fr	☾	6	4 46	7 25	10 36	4 37	7 34	10 36	4 27	7 44	10 37
16	Sa	☾	6	4 47	7 24	10 55	4 38	7 33	10 54	4 28	7 43	10 52
↓	Length of Day Length of Night			14h 36m 9h 24m			14h 54m 9h 06m			15h 13m 8h 47m		
17	Su	☾	6	4 48	7 24	11 17	4 39	7 33	11 13	4 29	7 42	11 09
18	Mo	☾	6	4 48	7 23	11 40	4 39	7 32	11 34	4 29	7 42	11 27
19	Tu	☾	6	4 49	7 23	Morn	4 40	7 32	11 58	4 30	7 41	11 50
20	We	☾	6	4 50	7 22	0 07	4 41	7 31	Morn	4 31	7 40	Morn
21	Th	☾	6	4 51	7 21	0 39	4 42	7 30	0 29	4 32	7 39	0 13
22	Fr	☾	6	4 52	7 21	1 19	4 43	7 29	1 08	4 33	7 38	0 54
23	Sa	☾	6	4 52	7 20	2 10	4 43	7 29	1 57	4 35	7 38	1 43
↓	Length of Day Length of Night			14h 27m 9h 33m			14h 44m 9h 16m			15h 01m 8h 59m		
24	Su	☾	6	4 53	7 20	3 10	4 44	7 28	2 57	4 36	7 37	2 44
25	Mo	☾	6	4 54	7 19	SetEv	4 45	7 27	SetEv	4 37	7 36	SetEv
26	Tu	☾	6	4 55	7 18	8 23	4 46	7 26	8 31	4 38	7 35	8 39
27	We	☾	6	4 56	7 17	8 54	4 47	7 25	8 49	4 39	7 34	9 05
28	Th	☾	6	4 56	7 16	9 22	4 48	7 24	9 24	4 40	7 32	9 26
29	Fr	☾	6	4 57	7 15	9 48	4 49	7 23	9 47	4 41	7 31	9 47
30	Sa	☾	6	4 58	7 14	10 14	4 50	7 22	10 10	4 42	7 30	10 07
↓	Length of Day Length of Night			14h 14m 9h 46m			14h 30m 9h 30m			14h 46m 9h 14m		
31	Su	☾	6	4 59	7 13	10 33	4 51	7 21	10 28	4 43	7 29	10 29

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

- Good: 5, 6, 14, 15, 23, 24, 25 Poor: 2, 3, 4, 11, 12, 13, 21, 22, 30, 31
 Fair: 1, 9, 10, 19, 20, 28, 29 Bad: 7, 8, 16, 17, 18, 26, 27

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:		14, 15	4, 6	5
Fair:	28, 29	1, 18, 19, 20, 23, 24	2, 21, 22, 30	9, 10
Poor:			27	3, 31
Bad:	25	16, 17		7, 8, 26

11, 12 and 13—Fair late at night.
 Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN JULY

Take some extra salt to prevent heat stroke in hot weather. Avoid putting hay in mow too moist.

DR. HOLLAND SAYS:

A little lie will often start a big libel suit.

A great family tree must be deeply rooted.

A negligent youth is a candidate for a neglected old age.

Men are not to be blamed for missing the mark, but only for not taking better aim.

When you become angry, you flail yourself because of another's weakness.

**HISTORICAL EVENTS
JULY**

- 1 Louis Bieriort, inventor of mono-plane, born 1872.
- 2 Pres. James Garfield shot, 1881.
- 3 Quebec settled by French, 1608.
- 4 United States completed 173 years of independence, 1949.
- 5 California settlers declared independence from Mexico, 1846.
- 6 John Paul Jones, naval officer, born 1747.
- 7 Commodore Sloat captured Monterey, Calif., 1846.
- 8 Ferdinand von Zeppelin, German inventor, born 1838.
- 9 Nikola Tesla, electrical engineer, born 1856.
- 10 Sir William Blackstone, noted lawyer, born 1723.
- 11 6,000 French soldiers arrived to aid Americans, 1780.
- 12 Julius Caesar, Roman statesman, born 100 B. C.
- 13 Began laying first telegraphic cable across Atlantic ocean, 1866.
- 14 Gold discovered in Montana, 1864.
- 15 Battle of Chateau Thierry, 1918.
- 16 Washington, D. C., chosen as Federal capital, 1790.
- 17 Start of Klondike gold rush, 1897.
- 18 Battle near Centerville, Va., 1861.
- 19 Dr. C. H. Mayo, born 1865.
- 20 First railroad train entered Washington, D. C., 1835.
- 21 First battle of Bull Run, 1861.
- 22 Settlement of Cleveland, Ohio, established, 1796.
- 23 Western Minnesota purchased from Sioux Indians, 1851.
- 24 Simon Bolivar, George Washington of Venezuela, born 1783.
- 25 Lewis & Clark expedition reached forks of Missouri river, 1805.
- 26 George Bernard Shaw, philosopher, born 1856.
- 27 U. S. State Department established, 1789.
- 28 Ballington Booth, of Salvation Army, born 1859.
- 29 Isidor I. Rabi, atomic researcher, born 1898.
- 30 First United States patent issued, 1790.
- 31 John Ericsson, naval inventor, born 1803.

Why It Was July 4

First widespread talk of independence for America began about January 9, 1776, when Thomas Paine's "Common Sense" was published. On June 7, Richard Henry Lee of Virginia made a motion in Congress for a Declaration of Independence. This was debated for two days, then postponed until July 1, 1776.

The Declaration was reported on June 28, finally, by unanimous vote, was adopted and proclaimed on the evening of July 4, 1776.

A committee was appointed to draw up the Declaration, consisting of Jamin Franklin, Roger Sherman, and Robert R. Livingston. Jefferson put the document together.

So that's how it happened to be the Fourth of July.

(Eastern Standard Time)

- ☉ First Quarter
Aug. 1 7 57 am
- ☾ Full Moon
Aug. 8 2 33 pm
- ☾ Last Quarter
Aug. 16 5 59 pm
- ☾ New Moon
Aug. 23 10 59 pm
- ☉ First Quarter
Aug. 30 2 16 pm



(Central Standard Time)

- ☉ First Quarter
Aug. 1 6 57 am
- ☾ Full Moon
Aug. 8 1 33 pm
- ☾ Last Quarter
Aug. 16 4 59 pm
- ☾ New Moon
Aug. 23 9 59 pm
- ☉ First Quarter
Aug. 30 1 16 pm

THIS MONTH'S HARVEST—Wheat in China; corn, India; oats, France; rye, Spain; barley, Finland; buckwheat, Russia; clover, Norway; cotton, Hawaiian Islands; flax, Ireland.

8th Month — 31 Days Days Gone — 212 Days Left — 153				Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin		
DM	DW	Moon Sign	Sun Slow	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve	Sun Rise Morn	Sun Set Eve	Moon Set Eve
1	Mo	☾	6	5 00	7 12	11 11	4 52	7 20	11 03	4 44	7 28	10 55
2	Tu	☾	6	5 00	7 11	11 48	4 53	7 18	11 37	4 46	7 26	11 26
3	We	☾	6	5 01	7 10	Morn	4 54	7 17	Morn	4 47	7 25	Morn
4	Th	☾	6	5 02	7 09	0 32	4 55	7 16	0 19	4 48	7 24	0 06
5	Fr	☾	6	5 03	7 08	1 25	4 56	7 15	1 11	4 49	7 22	0 57
6	Sa	☾	6	5 04	7 07	2 25	4 57	7 13	2 12	4 50	7 21	1 58
↓ Length of Day Length of Night				14h 00m 10h 00m			14h 13m 9h 47m			14h 27m 9h 33m		
7	Su	☾	6	5 05	7 05	3 30	4 59	7 12	3 18	4 52	7 19	3 06
8	Mo	☾	6	5 06	7 04	RisEv	5 00	7 10	RisEv	4 53	7 18	RisEv
9	Tu	☾	5	5 07	7 03	7 55	5 01	7 09	8 01	4 54	7 16	8 07
10	We	☾	5	5 08	7 02	8 18	5 02	7 08	8 22	4 55	7 15	8 25
11	Th	☾	5	5 09	7 01	8 39	5 03	7 07	8 41	4 56	7 13	8 42
12	Fr	☾	5	5 10	6 59	8 59	5 04	7 05	8 59	4 58	7 12	8 58
13	Sa	☾	5	5 11	6 58	9 20	5 05	7 04	9 17	4 59	7 10	9 13
↓ Length of Day Length of Night				13h 45m 10h 15m			13h 57m 10h 03m			14h 09m 9h 51m		
14	Su	☾	5	5 12	6 57	9 41	5 06	7 03	9 36	5 00	7 09	9 31
15	Mo	☾	4	5 13	6 56	10 06	5 07	7 02	9 59	5 01	7 07	9 51
16	Tu	☾	4	5 14	6 54	10 36	5 08	7 00	10 26	5 02	7 06	10 16
17	We	☾	4	5 14	6 53	11 12	5 09	6 59	11 00	5 04	7 04	10 48
18	Th	☾	4	5 15	6 51	11 56	5 10	6 57	11 43	5 05	7 03	11 30
19	Fr	☾	4	5 16	6 50	Morn	5 11	6 56	Morn	5 06	7 01	Morn
20	Sa	☾	3	5 17	6 49	0 52	5 12	6 54	0 38	5 07	6 59	0 24
↓ Length of Day Length of Night				13h 30m 10h 30m			13h 40m 10h 20m			13h 49m 10h 11m		
21	Su	☾	3	5 18	6 48	1 57	5 13	6 53	1 44	5 08	6 57	1 31
22	Mo	☾	3	5 18	6 46	3 09	5 14	6 51	2 59	5 09	6 56	2 48
23	Tu	☾	3	5 19	6 45	SetEv	5 15	6 50	SetEv	5 10	6 54	SetEv
24	We	☾	2	5 20	6 44	7 22	5 16	6 48	7 25	5 11	6 52	7 28
25	Th	☾	2	5 21	6 42	7 48	5 17	6 46	7 49	5 12	6 50	7 49
26	Fr	☾	2	5 22	6 41	8 14	5 18	6 45	8 12	5 13	6 49	8 10
27	Sa	☾	2	5 23	6 39	8 42	5 19	6 43	8 37	5 15	6 47	8 32
↓ Length of Day Length of Night				13h 14m 10h 46m			13h 22m 10h 38m			13h 30m 10h 30m		
28	Su	☾	1	5 24	6 38	9 12	5 20	6 42	9 05	5 16	6 46	8 57
29	Mo	☾	1	5 25	6 36	9 47	5 21	6 40	9 38	5 17	6 44	9 27
30	Tu	☾	1	5 26	6 34	10 29	5 22	6 38	10 18	5 18	6 42	10 04
31	We	☾	0	5 27	6 33	11 19	5 23	6 36	11 06	5 19	6 40	10 52

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 1, 2, 10, 11, 20, 21, 28, 29

Poor: 7, 8, 9, 17, 18, 19, 26, 27

Fair: 5, 6, 15, 16, 24, 25

Bad: 3, 4, 12, 13, 14, 22, 23, 30, 31

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	10, 11	24, 25	1, 28	2, 29
Fair:	15, 16, 20, 21	17, 18, 27		5, 6, 7, 8, 9, 13
Poor:	19	22	26	31
Bad:	12, 14		30	3, 4, 23

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN AUGUST

Sow turnips for fall crop.
Try to plan a few days for a short trip.
Have children's health examination, preparatory for school.

Clean and paint field machinery that will not be used till next year.
Good time to make repairs on roofs and chimneys.

DR. HOLLAND SAYS:

Only the fool wagers his wages on horse races.

It is a wise critic who first sweeps his own doorstep.

It is safer to believe what you see than what you hear.

The self-worshiper has a wooden-headed calf for an idol.

I have learned more from stubbing my toes than from winning foot races.

**HISTORICAL EVENTS
AUGUST**

- 1 Air Force Day, 1949.
- 2 John Tyndall, physicist, born 1820.
- 3 Wayne completed treaty with Indians at Greenville, Ohio, 1795.
- 4 Jewish Fast of Av, 1949.
- 5 Hiroshima, Japan, destroyed by atomic bomb, 1945.
- 6 Alfred Tennyson, poet, born 1809.
- 7 Gen. Nathanael Greene, born 1742.
- 8 U. S. paper currency of reduced size put into circulation, 1928.
- 9 William Morton, discoverer of use of ether, born 1819.
- 10 Philo Farnsworth, discoverer of television principle, born 1906.
- 11 Sir Walter Raleigh's colonists land at Roanoke Island, Va., 1587.
- 12 Chief Tecumseh, petitioned for return of land to Indians, 1810.
- 13 John L. Baird, inventor of television, born 1888.
- 14 V-J Day, 1949.
- 15 Panama Canal opened, 1914.
- 16 Hull disgracefully surrendered Fort Detroit, 1812.
- 17 Thurman B. Rice, bacteriologist, born 1888.
- 18 U. S. troops occupy Santa Fe, New Mexico, 1846.
- 19 Americans surprised and defeated British at Jersey City, 1779.
- 20 Mexicans routed in battle of Cherusbusco, 1847.
- 21 Ira A. Moore, banker, born 1886.
- 22 Samuel Langley, astronomer and inventor, born 1834.
- 23 Gen. Anthony Wayne completed pillage of British and Indian homes, 1794.
- 24 St. Bartholomew Day, 1949.
- 25 New York paper startled nation with "Discovery of life on the moon," 1835.
- 26 First wireless warning of approaching hurricane, 1909.
- 27 Discovery of asbestos deposits in North Carolina, 1927.
- 28 Marines land in Nicaragua, 1926.
- 29 Site of Pittsburgh laid out, 1774.
- 30 Indian massacre at Fort Mimms, Alabama, 1813.
- 31 U. S. placed embargo on arms shipments, 1935.

Modern Rain Making

The possibility of starting condensation of clouds by the use of "dry ice" is now well established as a method of rain making. It will not make rain, of course, unless there are clouds containing the necessary moisture. Some scientists now believe it possible to intercept clouds and thus cause them to drop their load of rain or snow in open country instead of on cities. Millions of dollars now spent in snow removal might thus be saved.

In Nevada and Utah, legal action has been threatened because of this method of intercepting rain clouds. People of Utah claimed that clouds moving eastward, which normally would have brought rain to farms in that state, were being captured, by the dry ice methods, and made to drop their rain in Nevada. If such action should be brought in court, it might establish the question of property rights in rain clouds.

(Eastern Standard Time)

- ☾ Full Moon
Sept. 7 4 59 am
- ☾ Last Quarter
Sept. 15 9 29 am
- ☾ New Moon
Sept. 22 7 21 am
- ☾ First Quarter
Sept. 28 11 18 pm

SEPTEMBER



(Central Standard Time)

- ☾ Full Moon
Sept. 7 3 59 am
- ☾ Last Quarter
Sept. 15 8 29 am
- ☾ New Moon
Sept. 22 6 21 am
- ☾ First Quarter
Sept. 28 10 18 pm

THIS MONTH'S HARVEST—Wheat in Estonia; corn, China; oats, Belgium; rye, Sweden; barley, Lithuania; buckwheat, Denmark; beans, Poland; cotton, Egypt; grapes, France; peanuts, Guiana.

9th Month		30 Days		Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin		
DM	DW	Moon Sign	Sun Fast	Sun Rise Morn	Sun Set Eve	Moon Set Morn	Sun Rise Morn	Sun Set Eve	Moon Set Morn	Sun Rise Morn	Sun Set Eve	Moon Set Eve
1	Th	☾	0	5 28	6 31	Morn	5 25	6 35	Morn	5 21	6 39	11 50
2	Fr	☾	0	5 29	6 30	0 18	5 26	6 33	0 04	5 22	6 37	Morn
3	Sa	☾	0	5 30	6 28	1 21	5 27	6 31	1 09	5 23	6 35	0 56
4	Su	☾	1	5 31	6 26	2 27	5 28	6 29	2 16	5 24	6 33	2 06
5	Mo	☾	1	5 32	6 25	3 32	5 29	6 28	3 25	5 25	6 31	3 16
6	Tu	☾	1	5 33	6 23	4 36	5 30	6 26	4 31	5 27	6 29	4 25
7	We	☾	2	5 34	6 22	RisEv	5 31	6 25	RisEv	5 28	6 27	RisEv
8	Th	☾	2	5 35	6 20	7 04	5 32	6 23	7 04	5 29	6 25	7 04
9	Fr	☾	2	5 36	6 19	7 24	5 33	6 21	7 22	5 30	6 23	7 19
10	Sa	☾	3	5 37	6 17	7 45	5 34	6 19	7 41	5 31	6 21	7 37
11	Su	☾	3	5 37	6 16	8 09	5 35	6 18	8 02	5 33	6 20	7 55
12	Mo	☾	4	5 38	6 14	8 36	5 36	6 16	8 26	5 34	6 18	8 18
13	Tu	☾	4	5 39	6 13	9 08	5 37	6 14	8 57	5 35	6 16	8 46
14	We	☾	4	5 40	6 11	9 49	5 38	6 12	9 36	5 36	6 14	9 22
15	Th	☾	5	5 41	6 10	10 37	5 39	6 10	10 24	5 37	6 12	10 10
16	Fr	☾	5	5 41	6 08	11 37	5 40	6 09	11 23	5 39	6 10	11 09
17	Sa	☾	5	5 42	6 07	Morn	5 41	6 07	Morn	5 40	6 08	Morn
18	Su	☾	6	5 43	6 05	0 45	5 42	6 05	0 33	5 41	6 06	0 21
19	Mo	☾	6	5 44	6 03	1 58	5 43	6 03	1 49	5 42	6 04	1 39
20	Tu	☾	6	5 45	6 02	3 14	5 44	6 02	3 08	5 43	6 02	3 01
21	We	☾	7	5 46	6 00	4 31	5 46	6 00	4 28	5 45	6 01	4 25
22	Th	☾	7	5 47	5 59	SetEv	5 47	5 59	SetEv	5 46	5 59	SetEv
23	Fr	☾	7	5 48	5 57	6 40	5 48	5 57	6 37	5 47	5 57	6 30
24	Sa	☾	8	5 49	5 55	7 10	5 49	5 55	7 04	5 48	5 55	6 57
25	Su	☾	8	5 50	5 53	7 44	5 50	5 53	7 35	5 50	5 53	7 26
26	Mo	☾	8	5 51	5 52	8 25	5 51	5 52	8 13	5 51	5 51	8 02
27	Tu	☾	9	5 52	5 50	9 14	5 52	5 50	9 01	5 53	5 49	8 46
28	We	☾	9	5 53	5 48	10 11	5 53	5 48	9 57	5 54	5 47	9 42
29	Th	☾	9	5 54	5 46	Morn	5 54	5 46	11 00	5 55	5 45	10 46
30	Fr	☾	10	5 55	5 45	0 13	5 55	5 44	Morn	5 56	5 43	11 56

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 6, 7, 8, 16, 17, 24, 25, 26

Poor: 4, 5, 14, 15, 23

Fair: 1, 2, 3, 11, 12, 13, 20, 21, 22, 29, 30

Bad: 9, 10, 18, 19, 27, 28

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	6, 8	21	21	7, 25
Fair:	11, 12, 13, 22	14, 15	1, 2, 20	3, 4, 5, 16, 17, 29, 30
Poor:		18	23, 27	
Bad:	9, 10		19, 28	26

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN SEPTEMBER

Every year hundreds are injured in harvest accidents. Work safely! School starts; have a visit with new teachers. Keep a written record of crop yields from various fields. Compare them with neighbors' reports.

Study possibility of starting contour plowing on a hilly field. Attend demonstration meetings, learn some new things. Read every issue of Prairie Farmer, keep well informed.

DR. HOLLAND SAYS:

It seldom aids our aches to air them. Remembering our mercies helps in forgetting our miseries.

Flowers praise God by being beautiful; men by being dutiful.

Divine Providence seems to function best when aided by human Prudence.

Our own little side steps appear to be great sins when taken by other people.

HISTORICAL EVENTS

SEPTEMBER

- 1 Aaron Burr acquitted of treason charges, 1807.
- 2 Japan formally surrendered to Allies, 1945.
- 3 14 killed in destruction of dirigible "Shenandoah," 1925.
- 4 Los Angeles, Calif., founded, 1781.
- 5 Labor Day, 1949.
- 6 President William McKinley shot, 1901.
- 7 Queen Elizabeth of England, born 1533.
- 8 New York captured by British, 1664.
- 9 Missouri Compromise bill of 1820 repealed, 1850.
- 10 Sewing machine patented by Elias Howe, 1846.
- 11 British captured Delhi, India, 1803.
- 12 U. S. ports closed to immigrants from cholera districts, 1892.
- 13 Americans captured Fort Chapultepec, 1847.
- 14 Charles Dana Gibson, artist, born 1867.
- 15 Russia declared a Republic, 1917.
- 16 Continental Congress established United States mint, 1786.
- 17 Constitution Day, 1949.
- 18 Federal Capitol cornerstone laid, 1793.
- 19 American anti-lottery act passed, 1890.
- 20 Battle of Lexington, Mo., ended in defeat of Federals, 1861.
- 21 First United States newspaper issued, 1784.
- 22 Hawaii harvested first orange crop, 1819.
- 23 American Indian Day, 1949.
- 24 First day of Jewish New Year and Forget-me-not Day, 1949.
- 25 Gold Star Mother's Day, 1949.
- 26 Balboa discovered Pacific ocean, 1513.
- 27 Luxury liner Queen Elizabeth launched in Scotland, 1938.
- 28 First commercial automobile telephone service, 1946.
- 29 First session of Congress under Constitution, 1789.
- 30 United States and Mexico first linked by telephone, 1927.

To produce 100 bushels of corn, the soil must furnish 625,000 gallons of water. This water must carry in solution about 150 pounds of nitrogen, 23 pounds of phosphorus, 72 pounds of potassium, and 68 pounds of lime.

A single tree may draw from the soil as much as 700 to 1,000 gallons of water in 24 hours. This is part of the explanation of the value of trees around the headwaters of a river drainage area, as a means of flood control.

Every great thing ever achieved in the world has had to overcome the obstacles of ignorance and superstition.

There is strange magic in the spirit of neighborliness. The more of it you give away, the more you have.

(Eastern Standard Time)

- ☾ Full Moon
Oct. 6 _____ 9 52 pm
- ☾ Last Quarter
Oct. 14 _____ 11 06 pm
- ☾ New Moon
Oct. 21 _____ 4 23 pm
- ☾ First Quarter
Oct. 28 _____ 0 04 pm



(Central Standard Time)

- ☾ Full Moon
Oct. 6 _____ 8 52 pm
- ☾ Last Quarter
Oct. 14 _____ 10 06 pm
- ☾ New Moon
Oct. 21 _____ 3 23 pm
- ☾ First Quarter
Oct. 28 _____ 11 04 am

THIS MONTH'S HARVEST — Wheat in Cape Colony, Africa; corn, Java; oats, South Africa; barley, Uruguay; rye, Sweden; rice, Italy; alfalfa, Argentina; cotton, southern Russia.

10th Month ... 31 Days		Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin				
DM	DW	Moon Sign	Sun East	Sun Rise Morn	Sun Set Eve	Moon Set Morn	Sun Rise Morn	Sun Set Eve	Moon Set Morn	Sun Rise Morn	Sun Set Eve	Moon Set Morn
1	Sa	☾	10	5 56	5 43	0 19	5 55	5 43	0 08	5 58	5 42	Morn
↓	Length of Day		11h 45m			11h 45m			11h 41m			
2	Su	☾	10	5 57	5 42	1 25	5 56	5 41	1 16	5 59	5 40	1 06
3	Mo	☾	11	5 58	5 40	2 28	5 57	5 39	2 22	6 00	5 38	2 15
4	Tu	☾	11	5 59	5 39	3 29	5 58	5 37	3 26	6 01	5 36	3 21
5	We	☾	11	6 00	5 37	4 30	6 00	5 36	4 28	6 02	5 34	4 26
6	Th	☾	12	6 00	5 36	RisEv	6 01	5 34	RisEv	6 04	5 33	RisEv
7	Fr	☾	12	6 01	5 34	5 51	6 03	5 33	5 47	6 05	5 31	5 43
8	Sa	☾	12	6 02	5 33	6 13	6 04	5 31	6 07	6 06	5 29	6 01
↓	Length of Day		11h 28m			11h 24m			11h 20m			
9	Su	☾	13	6 03	5 31	6 38	6 05	5 29	6 31	6 07	5 27	6 22
10	Mo	☾	13	6 04	5 30	7 09	6 06	5 27	6 58	6 08	5 25	6 48
11	Tu	☾	13	6 05	5 28	7 45	6 08	5 26	7 34	6 10	5 24	7 21
12	We	☾	13	6 06	5 27	8 31	6 09	5 24	8 18	6 11	5 22	8 04
13	Th	☾	14	6 07	5 25	9 25	6 10	5 22	9 12	6 12	5 20	8 58
14	Fr	☾	14	6 08	5 24	10 28	6 11	5 21	10 16	6 13	5 18	10 02
15	Sa	☾	14	6 09	5 22	11 37	6 12	5 19	11 26	6 15	5 16	11 16
↓	Length of Day		11h 11m			11h 05m			10h 59m			
16	Su	☾	14	6 10	5 21	Morn	6 13	5 18	Morn	6 16	5 15	Morn
17	Mo	☾	14	6 11	5 19	0 51	6 14	5 16	0 42	6 18	5 13	0 34
18	Tu	☾	15	6 12	5 18	2 05	6 15	5 15	2 00	6 19	5 11	1 54
19	We	☾	15	6 13	5 17	3 20	6 16	5 13	3 18	6 20	5 09	3 16
20	Th	☾	15	6 14	5 15	4 36	6 17	5 12	4 37	6 22	5 08	4 39
21	Fr	☾	15	6 15	5 14	SetEv	6 19	5 10	SetEv	6 23	5 06	SetEv
22	Sa	☾	15	6 16	5 12	5 38	6 20	5 09	5 30	6 25	5 05	5 22
↓	Length of Day		10h 54m			10h 46m			10h 37m			
23	Su	☾	16	6 17	5 11	6 16	6 21	5 07	6 06	6 26	5 03	5 55
24	Mo	☾	16	6 18	5 10	7 03	6 22	5 06	6 50	6 27	5 01	6 37
25	Tu	☾	16	6 19	5 09	7 58	6 23	5 04	7 44	6 28	5 00	7 30
26	We	☾	16	6 21	5 07	9 01	6 25	5 03	8 47	6 30	4 58	8 34
27	Th	☾	16	6 22	5 06	10 08	6 26	5 01	9 56	6 31	4 57	9 44
28	Fr	☾	16	6 23	5 05	11 15	6 27	5 00	11 05	6 32	4 55	10 56
29	Sa	☾	16	6 24	5 04	Morn	6 28	4 59	Morn	6 33	4 54	Morn
↓	Length of Day		10h 38m			10h 27m			10h 17m			
30	Su	☾	16	6 25	5 03	0 20	6 30	4 57	0 13	6 35	4 52	0 05
31	Mo	☾	16	6 26	5 01	1 23	6 31	4 56	1 17	6 36	4 51	1 13

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.
 Good: 3, 4, 5, 13, 14, 15, 22, 23, 31
 Fair: 8, 9, 10, 18, 19, 26, 27
 Poor: 1, 2, 11, 12, 20, 21, 28, 29, 30
 Bad: 6, 7, 16, 17, 24, 25

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	18, 19, 22		3, 4, 5, 23, 30, 31	
Fair:	20, 21	11, 12, 26, 27	1, 2, 28, 29	8, 9, 10
Poor:	16		7, 25	
Bad:			17	6, 24

13, 14 and 15—Fair late at night.
 Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN OCTOBER

Resolve to avoid getting wet and chilled—keep healthy! Examine the chimney for possible cracks and fire hazards.

DR. HOLLAND SAYS:

Miseries melt before the medicine of Mirth.
 No man rises nearer heaven by stepping on a brother man.
 Unkind thoughts undo the brain weak enough to think them.
 When toleration really tolerates we shall have a tolerably decent world.
 Advice will always be cheap, due to over-production.

HISTORICAL EVENTS
OCTOBER

- 1 First rural mail delivery in West Virginia, 1896.
- 2 "Farm and Home Hour" started on NBC radio network, 1928.
- 4 Crop failure cancelled Michigan Apple Show, 1945.
- 5 Battle of Thames broke Indian Confederacy, 1813.
- 6 Dr. Florence Seibart, chemist, born 1897.
- 7 Battle of Saratoga, 1777.
- 8 New York Cotton Exchange quoted cotton \$196.40 per bale, 1946.
- 9 Mexicans defeated by Americans under Lane, 1847.
- 10 Fire Prevention Day, 1949.
- 11 Dutch granted control of 10 degree strip of America coast to coast, 1614.
- 12 Columbus Day, 1949.
- 13 2,500 buildings destroyed by fire at Quebec, Canada, 1866.
- 14 Gen. Dwight Eisenhower, born 1890.
- 15 John Brown marched on Harper's Ferry arsenal, 1859.
- 16 Beginning series of jewel robberies in London baffled Scotland Yard, 1946.
- 17 Robert Kent, Indiana philosopher, born 1885.
- 18 End of longest automobile strike in Canada, 1946.
- 19 Cotton price panic closes New York Stock Exchange, 1946.
- 20 Ralph Cleland, Indiana botanist, born 1892.
- 21 First aviation strike strands 3,000 travelers, 1946.
- 22 Battle of White Plains, 1776.
- 23 Ernest Thompson Seton, wildlife author, died 1946.
- 24 Friction matches patented, 1836.
- 25 Johann Strauss, composer, born 1825.
- 26 Wartime restriction on women's clothes ended 1946.
- 27 Navy Day, 1949.
- 28 Collis P. Huntington, noted railroad capitalist, born 1821.
- 29 Edmund Halley, astronomer, born 1666.
- 30 King William War ended without change of territory, 1697.
- 31 Halloween, 1949.

Discovery of Cranberries

Cranberries were first found growing wild in the vicinity of the Plymouth Colony, in Massachusetts, by Pilgrim colonists. The same area, around Cape Cod, remains the largest producing section, although many cranberries are produced also in Wisconsin. The crop amounts to about \$10,000,000 a year, almost exclusively in the United States.

Every rat that lives on your farm costs just about as much for his keep as a chicken. And rats give no return for the grain they eat.

The total annual pig iron production in the United States 100 years ago, could be produced now in less than a week.

(Eastern Standard Time)
 ☉ Full Moon
 Nov. 5 _____ 4 09 pm
 ☾ Last Quarter
 Nov. 13 _____ 10 47 am
 ☽ New Moon
 Nov. 20 _____ 2 29 am
 ☽ First Quarter
 Nov. 27 _____ 5 01 am

NOVEMBER



(Central Standard Time)
 ☉ Full Moon
 Nov. 5 _____ 3 09 pm
 ☾ Last Quarter
 Nov. 13 _____ 9 47 am
 ☽ New Moon
 Nov. 20 _____ 1 29 am
 ☽ First Quarter
 Nov. 27 _____ 4 01 am

THIS MONTH'S HARVEST—Wheat in Australia; corn, Kenya, Africa; oats, Paraguay; barley, New South Wales; rye, Brazil; rice, Malay Peninsula; clover, Uruguay; cotton, Zanzibar.

11th Month — 30 Days Days Gone — 304 Days Left — 61				Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin		
DM	DW	Moon Sign	Sun Fast	Sun Rise	Sun Set	Moon Set	Sun Rise	Sun Set	Moon Set	Sun Rise	Sun Set	Moon Set
1	Tu	☾	16	6 27	5 00	2 23	6 33	4 54	2 19	6 38	4 49	2 18
2	We	☾	16	6 28	4 59	3 22	6 34	4 53	3 21	6 39	4 48	3 21
3	Th	☾	16	6 29	4 58	4 21	6 35	4 52	4 22	6 40	4 47	4 24
4	Fr	☾	16	6 30	4 57	5 19	6 36	4 51	5 24	6 42	4 45	5 28
5	Sa	☾	16	6 31	4 56	RisEv	6 37	4 50	RisEv	6 43	4 44	RisEv
↓	Length of Day Length of Night			10h 23m 13h 37m	10h 11m 14h 49m	9h 57m 14h 03m						
6	Su	☾	16	6 32	4 55	5 11	6 38	4 49	5 02	6 45	4 42	4 51
7	Mo	☾	16	6 33	4 54	5 46	6 39	4 48	5 34	6 46	4 41	5 22
8	Tu	☾	16	6 34	4 53	6 29	6 40	4 47	6 16	6 47	4 40	6 02
9	We	☾	16	6 35	4 52	7 21	6 42	4 46	7 07	6 49	4 39	6 53
10	Th	☾	16	6 37	4 51	8 20	6 43	4 44	8 07	6 50	4 37	7 53
11	Fr	☾	16	6 38	4 50	9 26	6 45	4 43	9 15	6 52	4 36	9 03
12	Sa	☾	16	6 39	4 49	10 36	6 46	4 42	10 27	6 53	4 35	10 17
↓	Length of Day Length of Night			10h 08m 13h 52m	9h 54m 14h 06m	9h 40m 14h 20m						
13	Su	☾	16	6 40	4 48	11 47	6 47	4 41	11 41	6 54	4 34	11 34
14	Mo	☾	16	6 41	4 47	Morn	6 48	4 40	Morn	6 56	4 33	Morn
15	Tu	☾	15	6 43	4 47	0 58	6 50	4 40	0 55	6 57	4 32	0 52
16	We	☾	15	6 44	4 46	2 12	6 51	4 39	2 10	6 59	4 31	2 10
17	Th	☾	15	6 45	4 45	3 26	6 52	4 38	3 28	7 00	4 30	3 31
18	Fr	☾	15	6 46	4 44	4 43	6 53	4 37	4 48	7 01	4 29	4 53
19	Sa	☾	15	6 47	4 43	6 02	6 54	4 36	6 10	7 02	4 28	6 19
↓	Length of Day Length of Night			9h 55m 14h 05m	9h 40m 14h 20m	9h 24m 14h 36m						
20	Su	☾	14	6 48	4 43	SetEv	6 56	4 36	SetEv	7 04	4 28	SetEv
21	Mo	☾	14	6 49	4 42	5 41	6 57	4 35	5 28	7 05	4 27	5 14
22	Tu	☾	14	6 50	4 41	6 43	6 58	4 34	6 29	7 06	4 26	6 14
23	We	☾	14	6 51	4 41	7 50	6 59	4 33	7 38	7 07	4 25	7 25
24	Th	☾	13	6 52	4 40	8 59	7 00	4 33	8 49	7 09	4 24	8 38
25	Fr	☾	13	6 54	4 40	10 08	7 02	4 32	9 59	7 10	4 24	9 51
26	Sa	☾	13	6 55	4 39	11 13	7 03	4 32	11 07	7 12	4 23	11 01
↓	Length of Day Length of Night			9h 43m 14h 17m	9h 27m 14h 33m	9h 09m 14h 51m						
27	Su	☾	13	6 56	4 39	Morn	7 04	4 31	Morn	7 13	4 22	Morn
28	Mo	☾	12	6 57	4 39	0 14	7 05	4 31	0 11	7 14	4 22	0 07
29	Tu	☾	12	6 58	4 39	1 14	7 06	4 30	1 12	7 15	4 21	1 12
30	We	☾	12	6 58	4 38	2 13	7 07	4 30	2 13	7 17	4 21	2 15

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 1, 10, 11, 18, 19, 27, 28
 Fair: 5, 6, 14, 15, 22, 23, 24
 Poor: 7, 8, 9, 16, 17, 25, 26
 Bad: 2, 3, 4, 12, 13, 20, 21, 29, 30

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:	14	18	1, 19, 27	10, 11, 22, 28
Fair:	7, 9	15, 23	16, 24, 25	5, 6, 8, 26
Poor:	12	17	3, 4, 20, 29	30
Bad:		13, 21		2

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN NOVEMBER

Start a list of folks you want to remember with Christmas cards.
 Use some day of disagreeable weather to write letters to friends and relatives.
 See about plan to supply warmed drinking water for cows and chickens.

Last chance for fall transplanting of trees.
 Check anti-freeze in car and tractors. Put a bag of ashes in the trunk of the car.
 Fix up the farm shop for winter repair work and tinkering.
 Read every issue of Prairie Farmer.

DR. HOLLAND SAYS:

Labor strengthens and lengthens life.

Grey matter is the stuff that matters most in life.

Buy what you do not need, today, and you will want tomorrow.

Some men, by blowing in their income, blow out their outcome.

A wise man and a fool learn the same things, but the wise man learns them first.

**HISTORICAL EVENTS
 NOVEMBER**

- McClellan succeeded Scott as General-in-chief of Union Army, 1861.
- Marie Antoinette, Queen of France, born 1755.
- American army demobilized, 1783.
- San Francisco voted to retain cable car system, 1947.
- Last Continental Congress convened in New York, 1787.
- Ignace Paderewski, pianist, born 1860.
- First sponsored television program, 1947.
- Election Day in some states, 1949.
- 13 ships and 270 people lost in Great Lakes storm, 1913.
- Marine Corps Day, 1949.
- Remembrance Day, 1949.
- Montreal surrendered to Americans, 1775.
- World Fellowship Week, 1949.
- Commodore Conner took Tampico, Mexico, 1846.
- Articles of Confederation and Perpetual Union adopted, 1777.
- Lawrence Tibbett, opera star, born 1896.
- Washington, D. C., became capital of United States, 1800.
- Battle of Cove Creek, N. C., 1862.
- Tommy Dorsey, band leader, born 1907.
- Americans defeated British in battle of Blackstocks, S. C., 1780.
- First balloon ascension in history in France, 1783.
- Seven inches of snow in southern Michigan, 1945.
- John L. Lewis resigned from AFL, 1935.
- Thanksgiving Day, 1949.
- Texas ceded territory to United States government, 1850.
- Battle of Warm Springs, N. C., 1863.
- First Sunday in Advent, 1949.
- International Livestock Exposition, 1949.
- French turn Detroit over to British, 1760.
- London's Crystal Palace destroyed by fire, 1936.

Gain from Livestock

A steer that has gained 500 pounds, removes from the land only about 12½ pounds of nitrogen, 3 pounds of phosphorus, and 1 pound of potassium. However, if the grain and roughage fed had been sold off the farm, it would have taken 7 times as much nitrogen, 4 times as much phosphorus, and 20 times as much potassium.

In the year 1930, about 42 out of every 100 Illinois farms were operated by tenants. In 1947, about 27 out of every 100 were tenant operated.

First Hereford cattle were brought to this country from Herefordshire, England, in the year 1840. Total U. S. registrations of purebred animals of the breed since that time exceeds 5 million head.

(Eastern Standard Time)

- ☾ Full Moon
Dec. 5 10 13 am
- ☾ Last Quarter
Dec. 12 8 48 pm
- ☾ New Moon
Dec. 19 1 55 pm
- ☾ First Quarter
Dec. 27 1 31 am



(Central Standard Time)

- ☾ Last Quarter
Dec. 5 9 13 am
- ☾ New Moon
Dec. 12 7 48 pm
- ☾ Full Moon
Dec. 19 0 55 pm
- ☾ First Quarter
Dec. 27 0 31 am

THIS MONTH'S HARVEST—Wheat in New Zealand; corn, Egypt; oats, Uruguay; barley, Argentina; rye, South Africa; sugar cane, Hawaiian Islands; tomatoes, Bahamas, West Indies.

12th Month ... 31 Days Days Gone 334 Days Left 31		Southern Illinois, Southern Indiana, Kentucky, Missouri, Southern Ohio			Northern Illinois, Northern Indiana, Iowa, Southern Michigan, Northern Ohio, Southern Wisconsin			Northern Michigan, Minnesota, Northern Wisconsin				
DM	DW	Moon Sign	Sun Fast	Sun Rise Morn	Sun Set Eve	Moon Set Morn	Sun Rise Morn	Sun Set Eve	Moon Set Morn	Sun Rise Morn	Sun Set Eve	Moon Set Morn
1	Th	☾	11	6 59	4 38	3 11	7 08	4 29	3 15	7 18	4 20	3 18
2	Fr	☾	11	7 00	4 38	4 11	7 09	4 29	4 17	7 19	4 20	4 23
3	Sa	☾	10	7 01	4 38	5 13	7 10	4 29	5 20	7 20	4 20	5 29
↓ Length of Day				9h 36m		9h 18m		8h 59m				
Length of Night				14h 24m		14h 42m		15h 01m				
4	Su	☾	10	7 02	4 38	6 15	7 11	4 29	6 26	7 21	4 20	6 37
5	Mo	☾	10	7 03	4 38	RisEv	7 12	4 29	RisEv	7 22	4 19	RisEv
6	Tu	☾	9	7 04	4 38	5 16	7 13	4 29	5 02	7 23	4 19	4 48
7	We	☾	9	7 05	4 38	6 14	7 14	4 29	6 00	7 24	4 19	5 47
8	Th	☾	8	7 06	4 38	7 18	7 15	4 29	7 07	7 25	4 19	6 54
9	Fr	☾	8	7 07	4 38	8 28	7 16	4 29	8 18	7 26	4 19	8 08
10	Sa	☾	7	7 07	4 38	9 38	7 17	4 28	9 30	7 27	4 18	9 23
↓ Length of Day				9h 30m		9h 10m		8h 50m				
Length of Night				14h 30m		14h 50m		15h 10m				
11	Su	☾	7	7 08	4 38	10 48	7 18	4 28	10 43	7 28	4 18	10 39
12	Mo	☾	7	7 09	4 38	11 59	7 19	4 28	11 56	7 29	4 18	11 54
13	Tu	☾	6	7 10	4 38	Morn	7 20	4 28	Morn	7 30	4 18	Morn
14	We	☾	6	7 11	4 38	1 09	7 21	4 29	1 10	7 31	4 19	1 11
15	Th	☾	5	7 11	4 39	2 22	7 21	4 29	2 25	7 31	4 19	2 29
16	Fr	☾	5	7 12	4 39	3 37	7 22	4 30	3 43	7 32	4 20	3 51
17	Sa	☾	4	7 13	4 39	4 55	7 23	4 30	5 04	7 33	4 20	5 14
↓ Length of Day				9h 25m		9h 06m		8h 46m				
Length of Night				14h 35m		14h 54m		15h 14m				
18	Su	☾	4	7 14	4 39	6 13	7 24	4 30	6 24	7 34	4 20	6 37
19	Mo	☾	3	7 14	4 40	SetEv	7 24	4 31	SetEv	7 34	4 21	SetEv
20	Tu	☾	3	7 15	4 40	5 28	7 25	4 31	5 14	7 35	4 21	5 00
21	We	☾	2	7 15	4 41	6 38	7 25	4 32	6 26	7 35	4 22	6 14
22	Th	☾	2	7 16	4 41	7 48	7 26	4 32	7 39	7 36	4 22	7 29
23	Fr	☾	1	7 17	4 42	8 56	7 26	4 32	8 50	7 36	4 22	8 43
24	Sa	☾	1	7 17	4 42	10 01	7 27	4 33	9 56	7 37	4 23	9 52
↓ Length of Day				9h 25m		9h 06m		8h 46m				
Length of Night				14h 35m		14h 54m		15h 14m				
25	Su	☾	0	7 18	4 43	11 02	7 27	4 33	11 00	7 37	4 23	10 58
26	Mo	☾	Slow	7 18	4 43	Morn	7 28	4 34	Morn	7 38	4 24	Morn
27	Tu	☾	1	7 18	4 44	0 02	7 28	4 34	0 02	7 38	4 24	0 03
28	We	☾	1	7 18	4 45	1 00	7 28	4 35	1 03	7 38	4 25	1 06
29	Th	☾	2	7 18	4 46	2 00	7 28	4 36	2 05	7 38	4 26	2 10
30	Fr	☾	2	7 19	4 46	3 01	7 28	4 36	3 08	7 38	4 26	3 16
31	Sa	☾	3	7 19	4 47	4 03	7 28	4 37	4 13	7 38	4 27	4 23

PLANTING DATES, 1949

Dates of the month following "Good" are considered best days for planting, with dates following "Fair" as second best. Dates following "Poor" are better for cultivation than planting in most cases, while dates following "Bad" are usually very poor planting dates but best for spraying insects and weeds. Dates underlined are best for planting seed that produce yield above ground such as corn and tomatoes. Use other dates for root crops such as potatoes and carrots.

Good: 7, 8, 16, 17, 24, 25, 26

Poor: 4, 5, 6, 14, 15, 22, 23

Fair: 2, 3, 11, 12, 13, 20, 21, 29, 30, 31

Bad: 1, 9, 10, 18, 19, 27, 28

1949 DATES AND BEST HOURS FOR FISHING

	Early Morning	Late Morning	Early Afternoon	Late Afternoon
Good:		11, 12, 13, 21	16, 17, 24, 25, 26	2, 7, 8, 20, 29, 30
Fair:	6	14, 27	3, 15, 22, 28, 31	4, 5, 28
Poor:		9, 10, 19	18	1
Bad:			28	

Early morning hours are 5 to 8; late morning, 9 to 12; early afternoon, 1 to 4; late afternoon, 5 to 8.

LET'S DO IT IN DECEMBER

Be sure tractors are either drained or protected from freezing.
Take another look at smoke pipes of the furnace for fire hazards.
Pick out a book you'd like for Christmas.

Start making a list of machinery repair parts to order.
Take time to reflect on the privilege of living in America, and attend church and community meetings.

DR. HOLLAND SAYS:

Chasing rainbows is a sure way to get "all wet."

We rarely fail to triumph for lack of ability, but for lack of try.
Sometimes, a little advice well taken will save a lot of repentance.

Wisdom is the good fruit that so often grows upon the cactus of experience.

Sorrow is the black shadow that is cast where pleasure once walked among roses.

**HISTORICAL EVENTS
DECEMBER**

- 1 Queen Wilhelmina, after 6 weeks' abdication, returned to Holland throne, 1947.
- 2 First self-sustained chain reaction of the atom attained, 1942.
- 3 Vanderbilt's 13-year-old race horse sold for \$130,000, 1945.
- 4 Bankers' Trust Company raised interest rate for first time in 12 years, 1947.
- 5 New Soviet Constitution adopted, 1936.
- 6 United States independence recognized by France, 1777.
- 7 "Friendship" boat sails for France with food, 1947.
- 8 Corriedale ram sold for \$2,025 at Chicago, 1945.
- 9 Meredith Nicholson, Indiana author, born 1866.
- 10 King Edward VIII abdicated English throne for "woman I love," 1936.
- 11 Golden Rule Sunday, 1949.
- 12 Gen. Chiang Kaishek kidnaped, 1936.
- 13 Union lost 12,000 men in the battle of Fredericksburg, Va., 1862.
- 14 Battle of Kingston, N. C., 1862.
- 15 Bill of Rights Day, 1949.
- 16 Patriots disguised as Indians dumped tea into Boston Harbor, 1773.
- 17 Illinois Horticultural Society organized, 1856.
- 18 13th amendment, abolishing slavery, became law, 1865.
- 19 American Army in winter quarters at Valley Forge, Pa., 1777.
- 20 Louisiana Territory became American property, 1803.
- 21 Mayflower and pilgrims reached New England shore, 1620.
- 22 North Carolina legislature pardoned officers and soldiers, 1866.
- 23 "Connie Mack" of baseball fame, born 1862.
- 24 Great Britain and U. S. signed peace treaty at Ghent, 1814.
- 25 Christmas Day, 1949.
- 26 Adm. George Dewey of Spanish-American War, born 1837.
- 27 Doniphan captured El Paso, Mexico, 1846.
- 28 Edward Schmidt, international dealer in wool, died 1945.
- 29 First Women's Party in Japanese history formed, 1945.
- 30 Russian Soviet Republic formed, 1922.
- 31 American Gen. Montgomery killed in battle of Quebec, 1775.

Plants to Watch For

Many common plants of pasture and woodlot are poisonous to livestock in the spring. The list includes Jack-in-the-Pulpit, pokeberry, dwarf larkspur, buttercups, Dutchman's breeches, nightshade, and leaves of oaks, black locust, Kentucky coffee tree, and Ohio buckeye. Most deadly are the water hemlock and poison hemlock. White snake root causes trouble in late summer.

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CHICAGO 7 ILLINOIS

The HOME of PRAIRIE FARMER - *WLS*