

PRAIRIE
FARMER

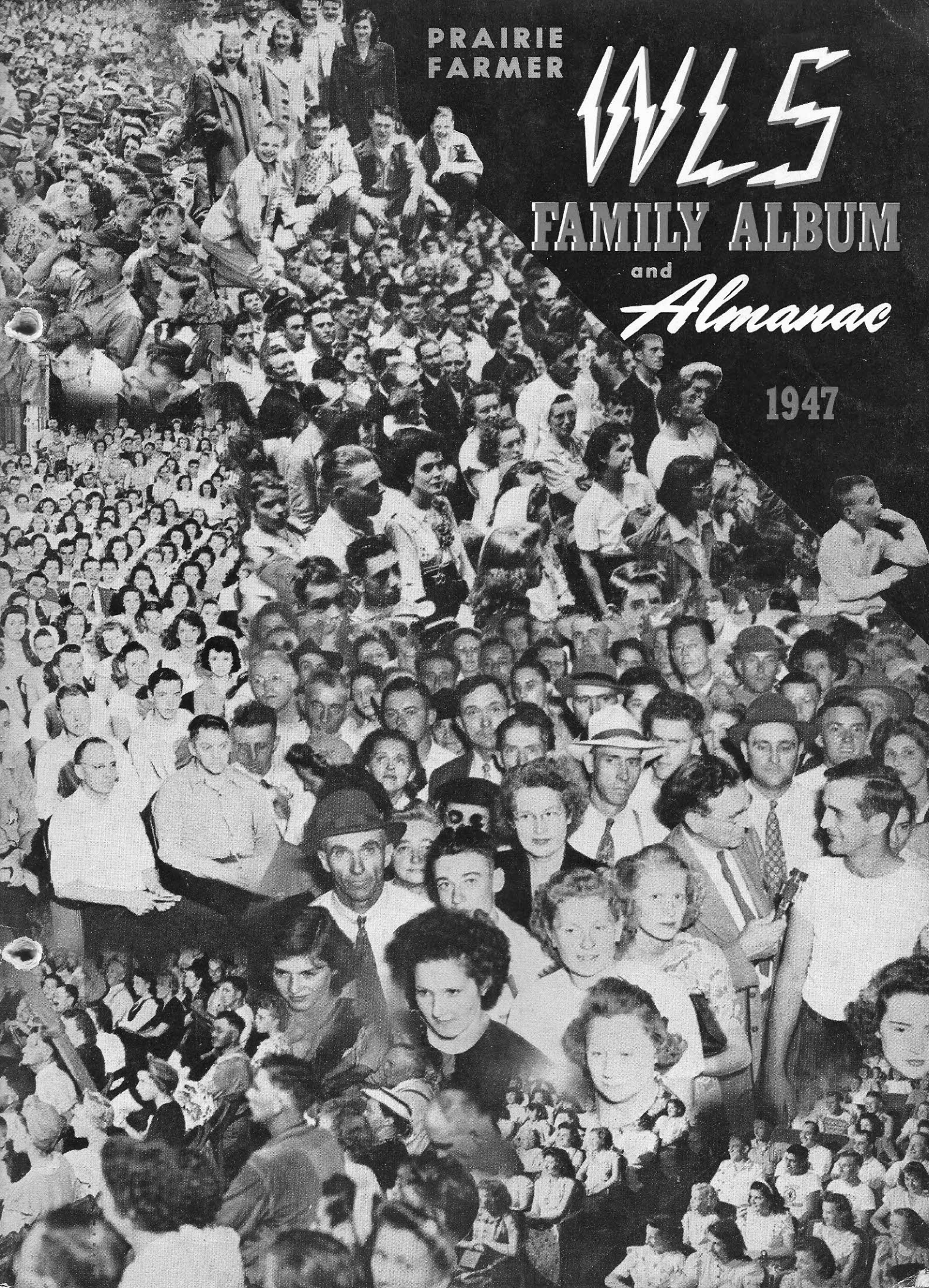
WLS

FAMILY ALBUM

and

Almanac

1947



WLS

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AND

ALMANAC

1947

Published by

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GREETING



It is a privilege to meet you again in this friendly book. You have seen the faces of many hundreds pictured on the outside cover, perhaps found your own likeness there. These are just a few members of the great Prairie Farmer-WLS family, our readers and listeners.

With this year 1947, Prairie Farmer begins its One Hundred Seventh year, WLS completes its Twenty-Third. Through these years you and we have grown into a solid fellowship. People in other parts of the world well might pattern after the spirit of kindly neighborliness, the unquenchable idealism of this group we are proud to serve.

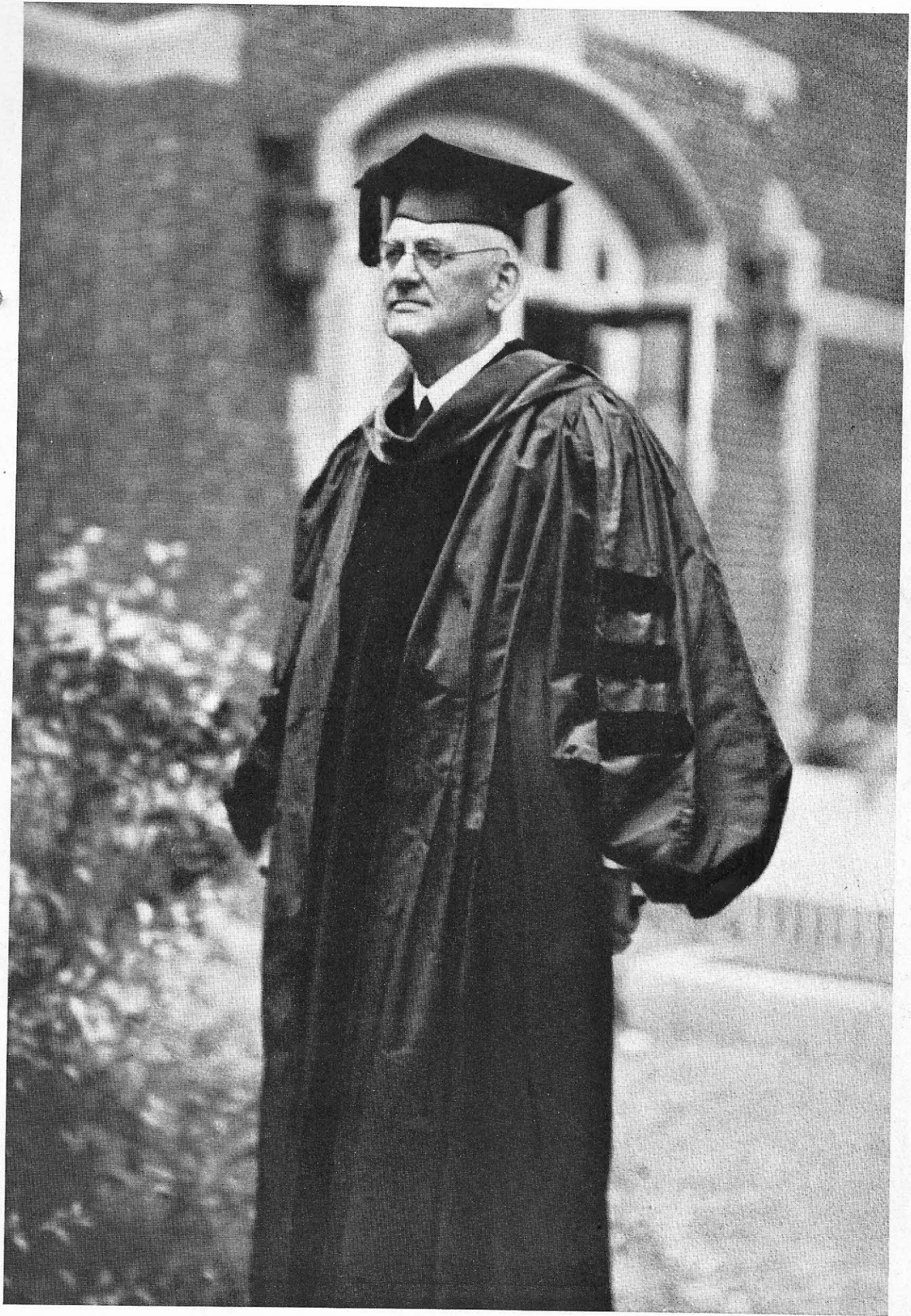
The qualities that have made our Middle West communities prosperous and happy can solve great problems. One man alone can do little, but as we all work together with understanding hearts, great power is given to us. Together we have worked through tumultuous days. Together we face the important years ahead, steadfast in the knowledge that when we do our best, there need be no fear for the outcome.

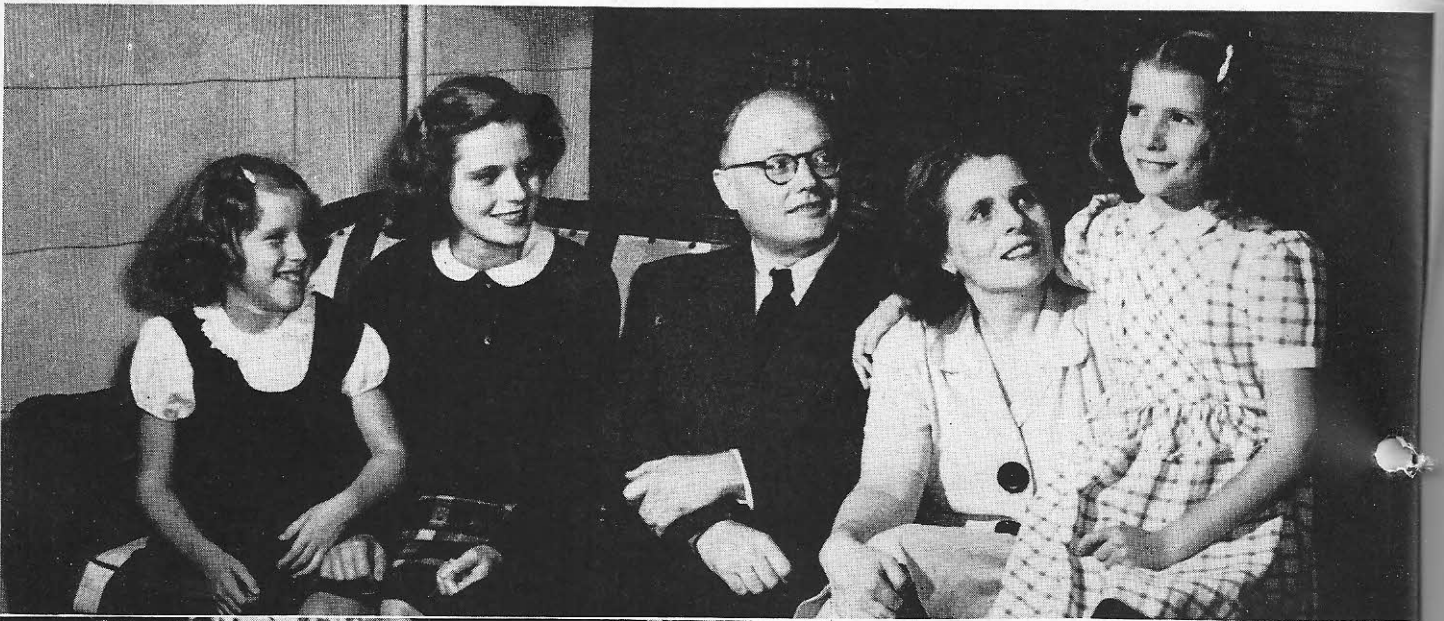
We hope you will like the addition of the Almanac as part of this book. Many wanted both books, so we have added extra pages to the Album to give you the two together.

You asked for family pictures. This year we have undertaken to get as many of them as possible, including even a few grandchildren. We hope you'll be pleased.

Burridge D. Butler

We are proud to give you this portrait of our Chief, never printed before. It was taken several years ago when Mr. Butler was invested with the honorary degree, Doctor of Laws, at Blackburn College. Better than a thousand words, it tells the story of dynamic leadership, of fine idealism woven into the entire organization of Prairie Farmer-WLS.





The Moores

Above is the family of Arthur Moore, Editor of *Prairie Farmer*. Mr. Moore was born in a small town in Nebraska, and Mrs. Moore at Fort Dodge, Iowa. Seated, from left to right, their three daughters are Molly, seven years old; Julie, 15 years old; and Susan, 10 years old. Julie was born in California, but the other two were born at Bloomington, Illinois, where the Moores lived before coming to *Prairie Farmer*. They now live in a north suburb of Chicago.

Pages and Grandchildren

Arthur C. Page and his wife Inez have three sons, who were pictured with them in an Album a number of years ago. Now they are able to boast of two grandchildren. The older is Judith Ann, her little brother is Jerry, and they live near Washington, Illinois. The picture was taken by the old dinnerbell at the Arthur Pages' home in DuPage county, Illinois. Mr. Page is Associate Editor of *Prairie Farmer* and Farm Program Director of WLS, and is heard daily on Dinnerbell Time. Mrs. Page is Vice-President of the Illinois Home Bureau Federation. A number of years ago she was heard on WLS with a program called "The Baby's Corner."

Their three sons, all married, are Tom, now in radio at Utica, New York; John, a research engineer, father of the two children shown here; and David Arthur, recently out of the Navy, a physicist.



Glenn Snyder and Grandson

Glenn Snyder is General Manager of Radio Station WLS. Mr. and Mrs. Snyder have two daughters, Marjorie and Shirley. The smiling young grandson shown with Mr. Snyder is Glenn Douglas Maxwell, and his mother is Marjorie Snyder Maxwell. Mr. Snyder is responsible for the management and administration of policies for WLS.



The Chandlers

Paul Chandler is managing editor of *Prairie Farmer*. Early in 1946 he and Mrs. Chandler moved from their home in Emporia, Kansas, where Mr. Chandler had been associated with William Allen White on the *Emporia Gazette*. Mr. and Mrs. Chandler both attended Kansas State Agricultural College where they studied journalism. In this family group, left to right, Mrs. Chandler (Neta), Paul, Cynthia, 13, Carol, 15, and John L. (Jack), 16.





Doctor John Holland

Few ministers have been privileged to serve so vast a congregation, so intimately, as Dr. John Holland. Born on an Iowa farm, he was trained for the ministry and served as pastor of various churches for more than a quarter of a century. He was pastor of a large church when called to take charge of WLS's Little Brown Church of the Air, to which he was assigned by the bishop. WLS has been unique in having a regular pastor on its staff.

Through the years Dr. Holland has been heard daily on Morning Devotions and on Dinnerbell Time, and every Sunday on the service of the Little Brown Church of the Air. He has spoken in hundreds of community gatherings. His writings have appeared in every issue of *Prairie Farmer*, and he has written several books of sermons and poems.

Readers and listeners often say of Dr. Holland: "He is such an understanding person."

Dr. and Mrs. Holland have one daughter, Beulah, who is engaged in magazine work in New York.

The Quartet

We never think of the Little Brown Church as a "radio program," but rather as an actual church. It was started in 1925 as a means of handling a great service undertaking, and has carried forward with high ideals all these years.

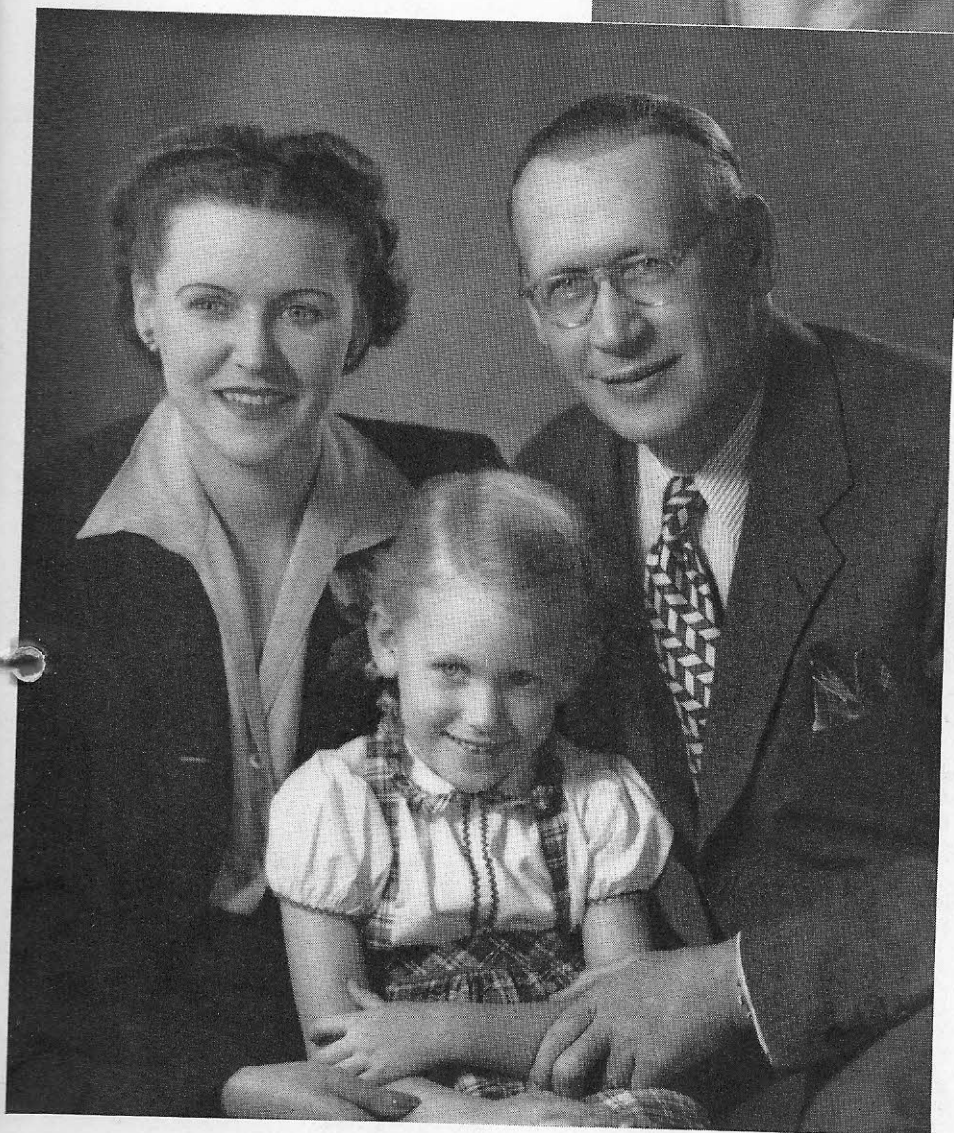
The Little Brown Church Quartet, shown here, is the choir of the church service. They are heard every Sunday morning, with Howard Peterson at the organ.

In the picture, left to right, the men are James Hutchison and George Gilman, the women Jessie Steck and Adele Brandt. Adele is also heard each day singing the closing hymn of Dinnerbell Time, and she greets visitors, including newlyweds, at the desk outside the studio in the Little Theater.



The O'Connors

William O'Connor practiced law for three years in Fort Scott, Kansas. But his music wouldn't let him stay with the law books, and so for a good many years he has been lifting his rich tenor voice in song. Bill is one of the "old-timers" on WLS, having been with the station since 1924. Mrs. O'Connor is just a bit of Irish herself, having been Eva A'Hearn, native of southern Illinois. She is also a musician, and used to play accompaniments for Bill. The assignment he likes best is singing the hymns on Morning Devotions.

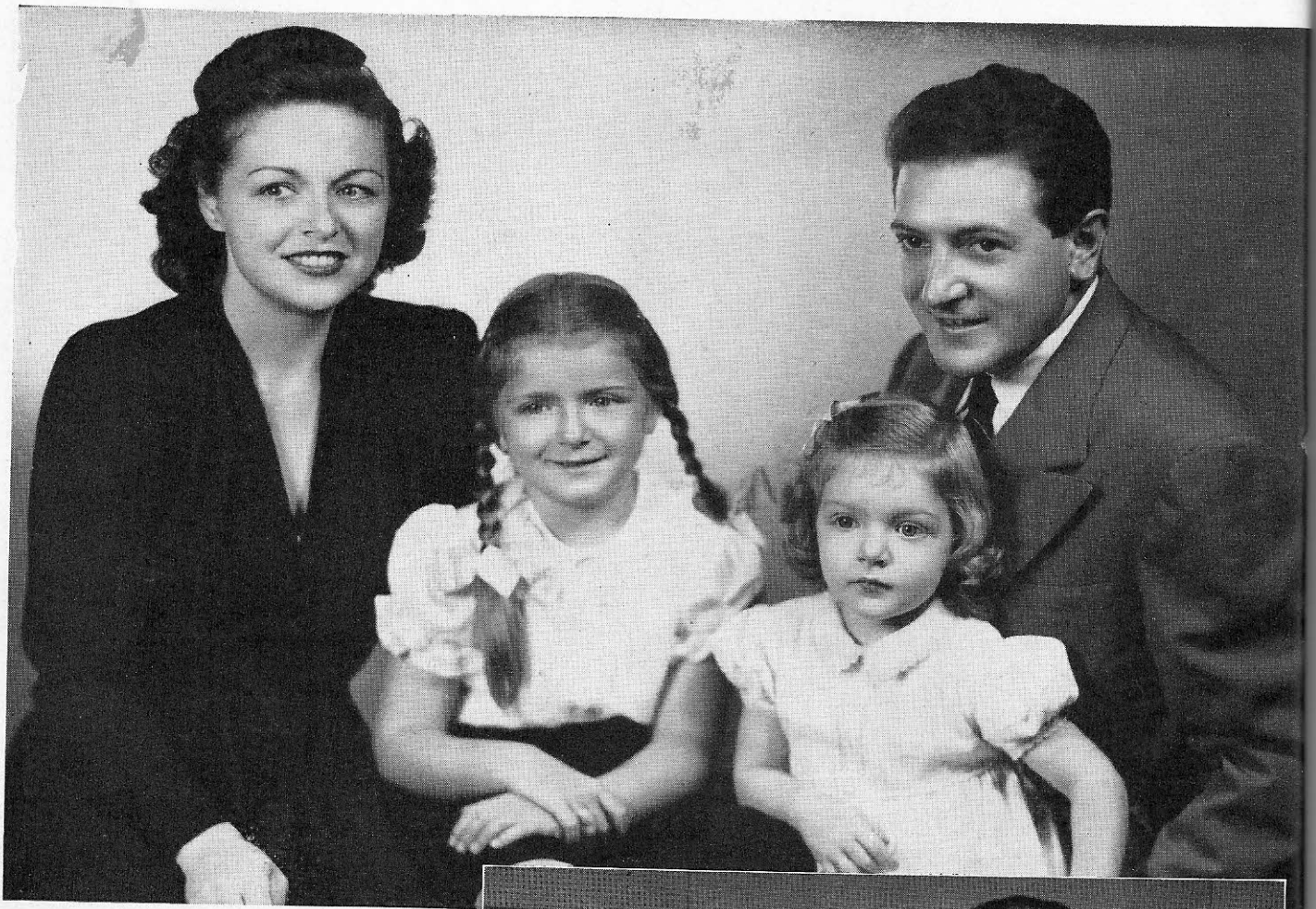


The Petersons

Here we have Howard Peterson, organist and composer; his wife, Avis Leone; and their little daughter, appropriately named Melody Ann. She is almost five years old. Mrs. Peterson has been heard on the Melody Review for the past three years.

Howard likes to play the big studio organ, and is at his best when he plays one of the numbers he has composed.

He is organist for the Little Brown Church of the Air every Sunday.



The Menards

From left to right, Martha, Noel, Paula and George. George was an Iowa farm boy, graduate of Notre Dame and soloist for the famed glee club from that school. Martha (McNess) was from Freeport, Illinois, and she also is an accomplished musician. Noel got her musical name because she was born at Christmas time about seven years ago. George has been heard on various farm service programs, including "Man on the Farm," the evening "RFD Mail Box," and in a general announcing schedule.

The Allens

Rex and Bonnie were married in the studio, and this picture was taken at the time. Rex Allen, cowboy singer, actually grew up on a cattle ranch in Arizona, and was a real cowboy before he ever saw a radio studio. Few know that before coming to WLS he was chief inspector in a large plant assembling war planes. Bonnie was known to WLS listeners as one of the Linder girls, singers, who came from a little town in Nebraska.





The Sebastians

Charles and Margaret Sebastian and their sons, David Glenn, 5, and Philip Charles, 2. Charles, often called "Chuck," has been announcer, MC and news broadcaster. Margaret is an organist.

Chuck has held an amateur radio license for 14 years, and has worked as an electrician, an auto mechanic and tool grinder. That makes him handy at fixing things around the house.

The Blanchards

"I'm Donald Blanchard, and I come from Pittsville, Wisconsin."

This is "Laughing Boy" Red Blanchard, a farm boy who spent four years in the Army, two of them in the South Pacific, and came out with the ability to make other people laugh. Most of his jokes are about his wife Sally. You can see by the picture of her that she laughs at them, too. Sally was formerly one of the square dancers on the National Barn Dance.



The O'Hallorans

When Hal O'Halloran and his wife Dorothy came to WLS their son Hal Junior and their daughter Dorothy were little youngsters. Now Hal Junior, who has moved to Ohio, is taller than his father, and Dorothy Junior, center above, is displaying her two children, Dorothy and Michael. She is Mrs. Stuart. Many will remember hearing Hal talk about his daughter "Dodo." Little need be said about Hal. He was once a pie salesman, started in radio as a singer, and has been loved for years as MC of Smile-A-While and the Barn Dance. And he can still sing.

The Hopkinses

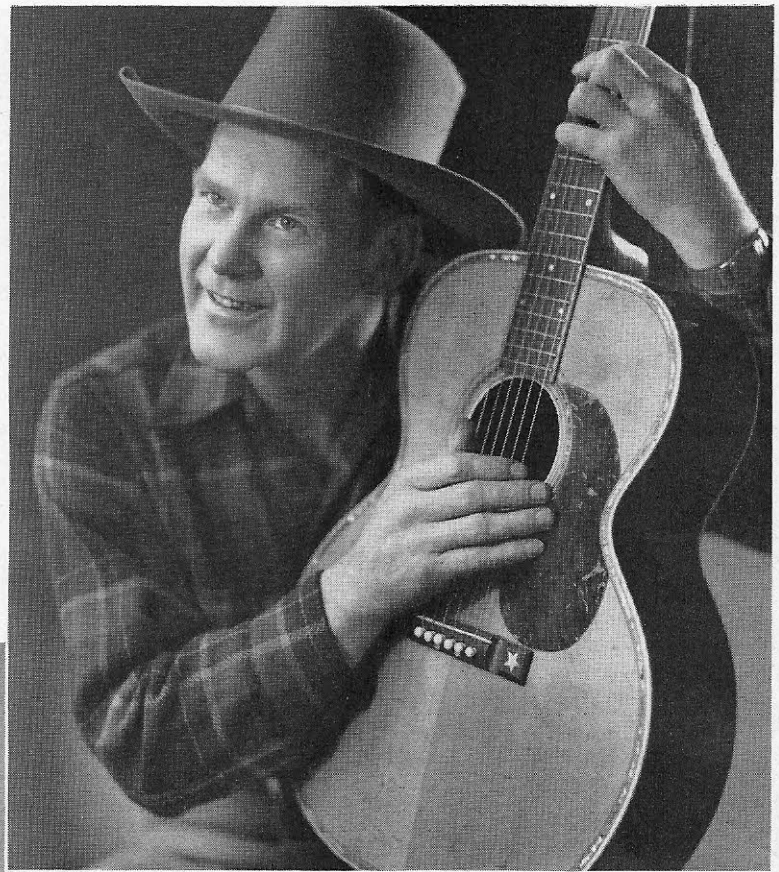
This is the first time we have brought you the whole Hopkins family. Born in Harlan county, Kentucky, this sweet singer of folk songs was christened Doctor Howard Hopkins. Before he was 21, "Doc" had seen service in the Army and the Marines, and during the first World War he served in the AEF in France. Mrs. Hopkins was Mary Locke of Kansas City. Their son carries on the unusual name tradition, and is Doctor Howard Junior.



Arkie, the Woodchopper

For a long time even the folks who worked with Arkie didn't know his other name, Luther Ossenbrink. He was a farm boy from the Ozarks near Knobnoster, Missouri, and he was really a woodchopper. His ability as a square dance caller just came naturally from calling dances around the home neighborhood. When he first came to WLS many years ago, after a brief experience on a Kansas City radio station, he was still a bit shy. But he got over that.

However, Arkie is still a hearty country boy, and always will be. He has won the affection of those who know him as a generous and kindly man with an uncommon gift of common sense. His wife, Vera, was a southern Illinois girl. Arkie likes horseback riding, and is an expert trainer of dogs.



Lulu Belle and Scotty

If you listen to Mr. and Mrs. Scott Wiseman you may hear their life story in one of their songs. Lu was a handsome young girl when she started to sing on WLS, and soon became the "cut-up" on the National Barn Dance. A while later, serious young Scott Wiseman came from the Appalachian Mountains, a college trained teacher of literature who had "temporarily" been playing a guitar and singing.

They were married in December, 1934. Linda Lou was born in January, 1936, and Steven came along about four years later. In the picture it seems as if little Steve is taking a lesson on the five-string banjo.

They are a fine, sensible couple, and back in the mountains they have a good farm with a big log house where they're going to live some day.

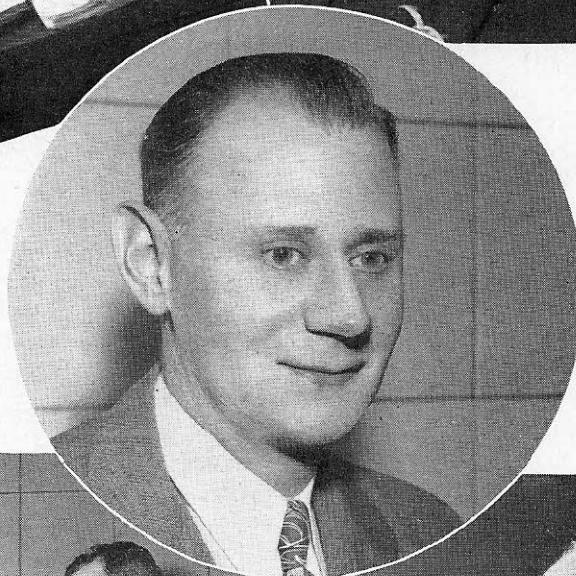


Betty McCann, above, keeps records on work of Christmas Neighbors Club.



The Saffords

Program Director Harold Safford and his wife, Mabel, have four children and one grandchild. Oldest daughter, Betty, is wife of a minister in California, one son, Bill, recently out of the Navy, is in college, as is Kathie Lou. Youngest, Genevieve, is in high school. Safford's radio experience dates practically to the beginning of broadcasting.



Ray Ferris, circle, one of our old-timers. Now supervises studios in early morning. Worked in nearly every branch of radio.



William Cline, center above, was loaned to the Treasury Department for a year of bond selling. Glenn Snyder, left, looks on as Merrill Predmore of the Treasury presents Bill a medal.



May Lantz, at the right, prepares programs of "This Is Our County."

The Whites

Don White is a sweet singing soloist with the Sage Riders. He has been in radio for 15 years, appearing on a number of stations, some network programs, and in three movies along with Lulu Belle and Scotty and others. He sang in "Swing Your Partner" and two other films. Don was born in West Virginia. Mrs. White, Mary, besides being a housekeeper, likes to do leather work, is enthusiastic about flying, and likes to take small movies which they show at home.



The Salters

Russ Salter, appropriately, is shown with his hands on a radio dial. He is skilled in electronics and knows the inside workings of radio as well as the front of the microphone. Russ has been heard announcing a variety of programs, and has been the narrator on the Monday School Time program, "Adventures in Health." We show you the whole family for the first time, Mrs. Salter (Arlene), and little Jill Diane, four years old. Russ's ambition is to have a small radio station of his own.





Music Library

The WLS Music Library, under the direction of Ozzie Westley, standing, above, does far more than merely keep thousands of sets of sheet music and recordings at their finger tips. They must have complete information about every piece of music that is used on the station. Westley not only does a great deal of special arranging, writing of special music for dramatic programs, but also has done much research in the history of American folk tunes. His musical education included St. Olaf's, where he was a member of the famous choir, and Northwestern University.

Seated, above, his helpers, Charles Meinken, Oscar Tengblad, Arlene Carstens and Hazel Rosenthal.

Sales

The Sales Department deals with sponsors. It is up to them to see that there is some income to pay for all of the service features which are "sustaining" and yet involve heavy expense. In the group at the right, front row, Manager Charles Freeman, Dorothy Luce, secretary; Florence Amadry, secretary; Joe Kaspar. Back row, Dom Saraceno, A. N. (Pete) Cooke, Ray Betsinger.





Continuity

Much of the spoken word that goes on the air has been written out with great care in advance. In such cases, the speaker works from a script, as distinguished from an "ad lib" program where there is no script. By having announcements written in advance, facts can be stated more briefly and accurately, and questions of policy watched.

Shown in this picture the continuity department, left to right, Howard Paul, Shirley Coles, secretary; Al Rice, standing; Jack Stilwill, in charge; Kathryn Brady.

Production

Production men are responsible for getting a program properly on the air, and getting it off on time. They are seldom ever heard on the microphone, but one of them is always standing watch in the control room. They must know all the problems of the studio, and also be able to coach performers in dramatic programs.

This picture, taken through two thicknesses of plate glass, shows four production men in the control room, looking into the studio. Left to right, Frank Blotter, Herb Howard, William Nelson, Tom Bashaw. Herb Howard is dean and arranges the schedules.



While the usual business of the promotion department is to plan advertising of the station, this group undertakes many other enterprises in service to our listeners. In the picture below, left to right,

Dan Hogan, John Drake, Warren Middleton, standing; Don Finlayson, in charge of the department; Georgean McCullough, secretary. They work closely with all departments of WLS.





School Time

Now in its eleventh year, Prairie Farmer-WLS School Time has set a high mark for the quality of its programs. Many schools which had no radios during the war years have secured them this year, in order to take advantage of this daily service. Unique value comes from the participation of pupils in supplying material for the broadcasts. For example, the Monday program "Adventures in Health" begins with a health slogan of the week chosen from those sent in by schools, and another school is cited for its practical work in health promotion. The Thursday "Visiting Day" program is largely news from schools in Illinois, Indiana, Wisconsin and Michigan, carrying many suggestions that other schools may follow.

Staff

Pictured above, the people who do the detail work of School Time. They draw on many sources of information and have the assistance of numerous authorities.

Josephine Wetzler, at the left, is Educational Director. Her background includes newspaper writing, preparation of radio scripts, and a lifetime of study in many subjects. Meanwhile she has been a housewife and mother. Next to her, seated, is Virginia Pickens, former rural schoolteacher, trained in the state teachers' college in western New York. Standing, Florence Ferraro.



Above, a class in the Concord Center School, Jefferson county, Wisconsin, listens to School Time. Marjorie Luttmann is the teacher. All participating schools receive a beautiful certificate at the end of each year.

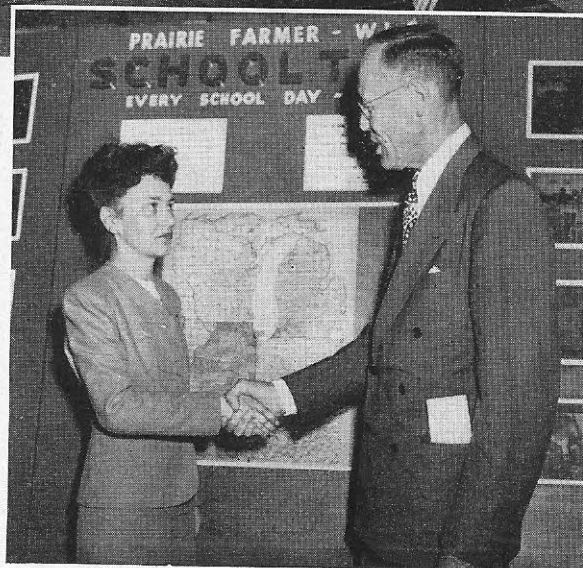
At the left, a class in the Lakeside School, Jefferson county, Wisconsin, taught by Mrs. Helen Schultz, regular listeners to School Time. This happened to be on Nature Study Day.

School Time Listeners

At the right, a scene in Echo Glen School, Waukesha county, Wisconsin, as pupils listen to Friday program of School Time, "We Look at the News." In thousands of classrooms, 1:15 in the afternoon means time to tune in WLS for this feature, now 11 years old.



At the left, Dr. Clement T. Malan, Indiana State Superintendent of Public Instruction, has been one of the cooperators in progressive use of radio in schools.



At the right, Virginia Pickens of WLS School Time in a conference with Vernon L. Nickell, Illinois State Superintendent of Public Instruction (taken at the State Fair).



A Participating School Raises the Flag

The scene below was taken at the Lawrence School, Waukesha county, Wisconsin, typical of the daily flag-raising ceremony. Notice the children standing with hands over their hearts. This is one of the "Participating Schools" in which WLS School Time is part of every day's classwork. The lessons given in this program are arranged to supplement and enrich the work of the teacher.





The Hurts

Usually the noisiest member of the Prairie Ramblers, always trying to "sing his solo," is Chick Hurt. Shown at the left is the whole family, Mrs. Hurt (Gladys), and nine-year-old Nancy. When not performing before an audience, Chick is reasonably quiet, and a very thoughtful young man. He does, however, like to ride a motorcycle, holdover from the time he was a highway traffic cop.

The Smiths

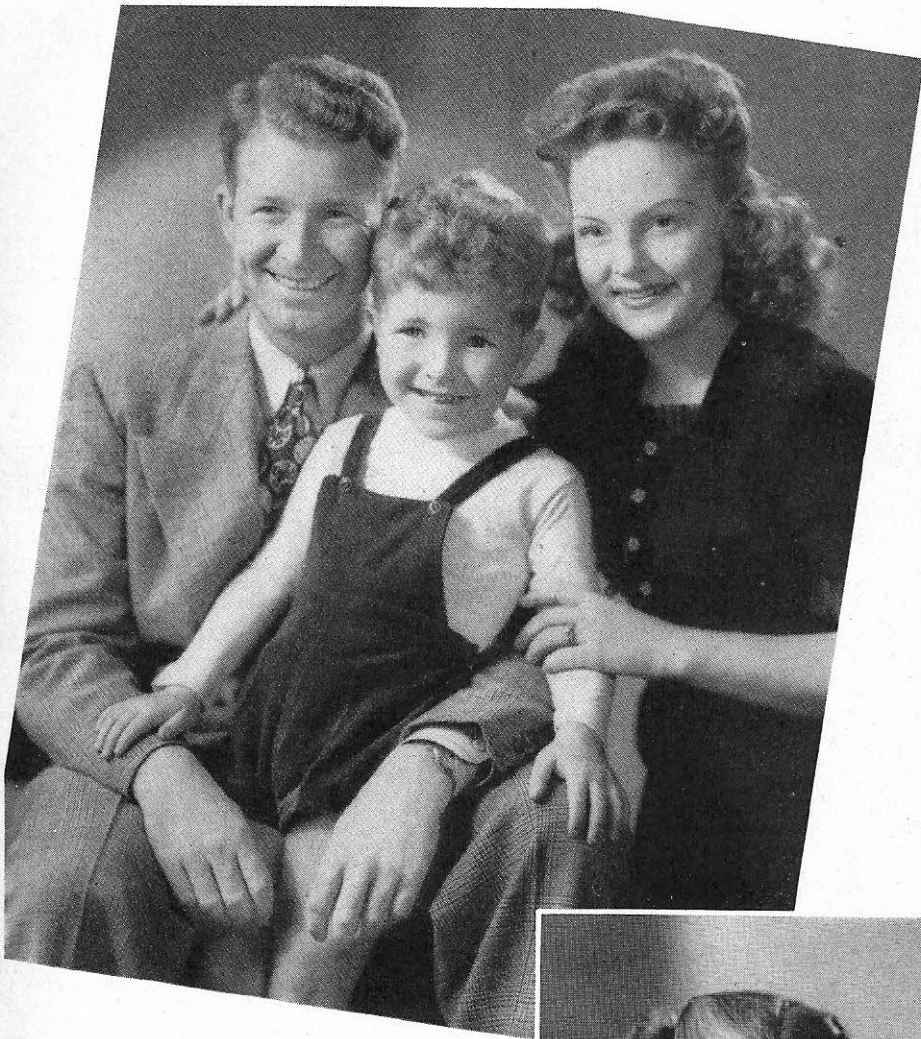
Bernie Smith has been with the Prairie Ramblers two years. He plays guitar and electric guitar, and of course they all sing. Mrs. Smith, shown with him at the right, is Elizabeth, called "Betty."



The Crocketts

When the Prairie Ramblers sing "Deep in the Heart of Texas" it means something extra to Alan Crockett, who is related to the famous Davy Crockett of Southwestern fame. He plays fiddle (not violin) and sings with a variety of voices. Is suspected of being one of the team Nep and Lige. Mrs. Crockett is Mattie Lou. Their sons are Rondel Alan (Ronny), 5, and Curtis William, 2.





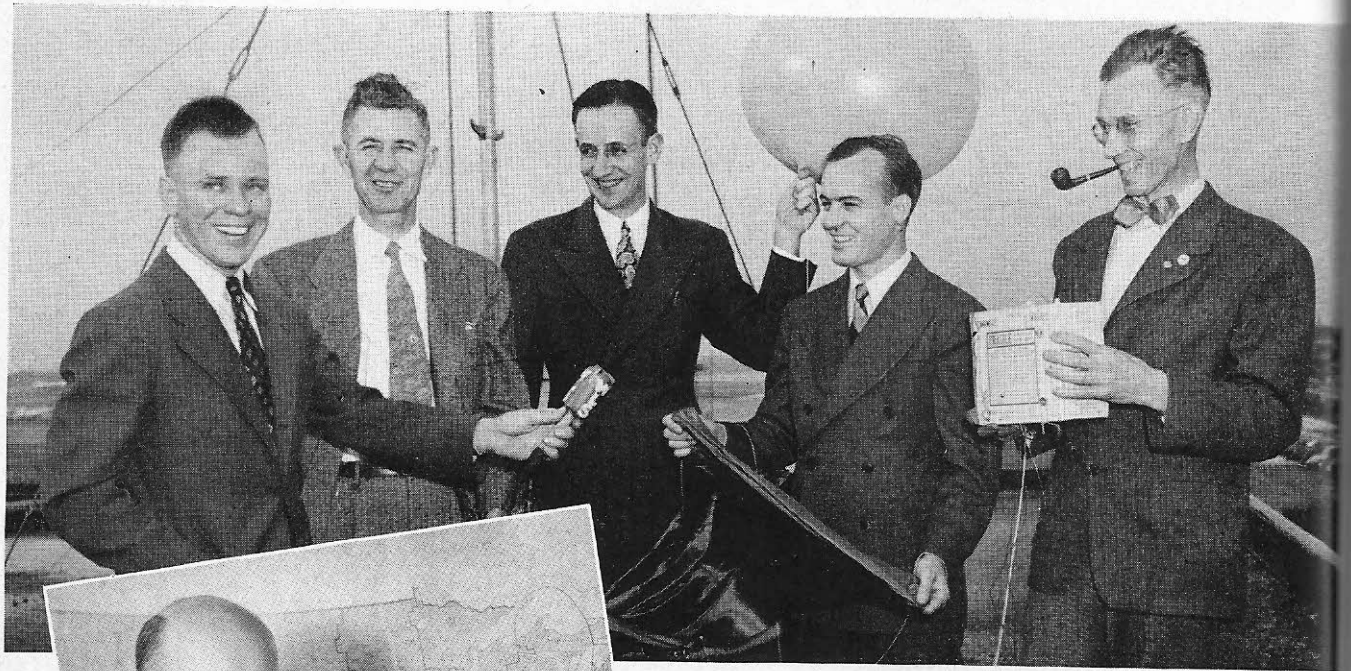
The Gills

You know him as "Rusty," sweet singer and now member of the Prairie Ramblers. His name is Ralph, but nobody calls him that. You know Mrs. Gill as Caroline of the famous De-Zurik Sisters—the girls with that tricky chirping style of yodeling. Their son is Donald Allan, five years old. Rusty was overseas in the Army during the war.

The Taylors

Jack Taylor of the Prairie Ramblers is an old Kentuckian who likes shortenin' bread and cracklin's, and would like to tell you about his farm down there. Mrs. Taylor's name is Clina. Their son Daniel (Danny) is eight and a half years old and seems to be headed for a musical career, for he is taking violin lessons. Jack plays bass fiddle and is one of the original members of the Prairie Ramblers.





Above, WLS Staff Meteorologist Robert Nelson holds microphone for weathermen at government forecast center. They are about to send up weather balloon for observations. Left to right Nelson, Harry Downs, Ivan Brunk, Howard Kenney, H. L. Jacobson. Not pictured, Gordon Dunn, head forecaster.



AL TIFFANY

WLS Farm Service is thorough, making use of highest authorities. First program at 6:00 a. m. brings latest news of agriculture with Al Tiffany, who is on again at 11:30 daily. Med Maxwell's interview program is on two mornings a week. Lloyd Burlingham is heard daily, combining farm news, technical information and commentary with his unusual philosophic style. Dave Swanson, manager of the Chicago Producers, gives a discussion every Saturday on Trends and Possibilities of the Livestock Market. Accuracy, timeliness and completeness have been the keynotes of WLS farm programs since the station first went on the air in April, 1924. It has been the fixed purpose of this station to give genuine service to Middle West agriculture.

DAVE SWANSON



LLOYD BURLINGHAM



Above, Med Maxwell, whose programs consist of interviews made on farms all over the country.





LIVESTOCK

Bill Morrissey faces the microphone from our studio at the Chicago Union Stock Yards. Livestock markets are broadcast directly from here. Notice the cattle pens through the window.

GRAIN

Grain markets are broadcast directly from the Chicago Board of Trade by F. C. Bisson, veteran of many years of grain market reporting. He was formerly with the U. S. Department of Agriculture.

HORTICULTURE

Horticultural subjects are covered accurately and in fascinating style by Dr. Milton Carleton, who besides being a practical gardener himself, is manager of one of the large old seed companies.

FEATURES

Besides these fixed features, hundreds of farmers, farm leaders, state experiment station workers and county agents are brought before the microphone every year. About 50 times a year, the Dinnerbell program, oldest continuous farm program on American radio, is broadcast "remote" from some meeting or demonstration. Dinnerbell is conducted by Arthur Page, Farm Program Director, who is in general charge of farm programs. Russell Park, Illinois farm boy, graduate in agriculture and late captain in the Army, assists in farm programs.



F. C. BISSON



DR. MILTON CARLETON

ARTHUR C. PAGE



RUSSELL PARK





Prairie Farmer Editorial

At the left is Del Gurley, Illinois editor of *Prairie Farmer*. He has been heard occasionally on Dinnerbell, and more often on evening *Prairie Farmer* programs. He travels thousands of miles a year over Illinois, collecting information, investigating local farm situations, interviewing, taking pictures, for *Prairie Farmer*. Born on an Illinois farm, Del studied agriculture at the University of Illinois, spent a term in the Army.



Wendell Unfer, above, receives thousands of inquiries on farm subjects which come to *Prairie Farmer*. An Illinois farm boy, graduate of the University of Illinois.

Protective Union

The pleasant woman shown below is Mollie Feldman, who handles the central desk in *Prairie Farmer's* Protective Union. There are a number of others who work with her. Every year this department handles thousands of letters, ranging in scope from reports of serious criminal activity to minor misunderstandings. The files of the Protective Union contain an amazing history of almost every confidence game ever worked in Middle West rural districts.



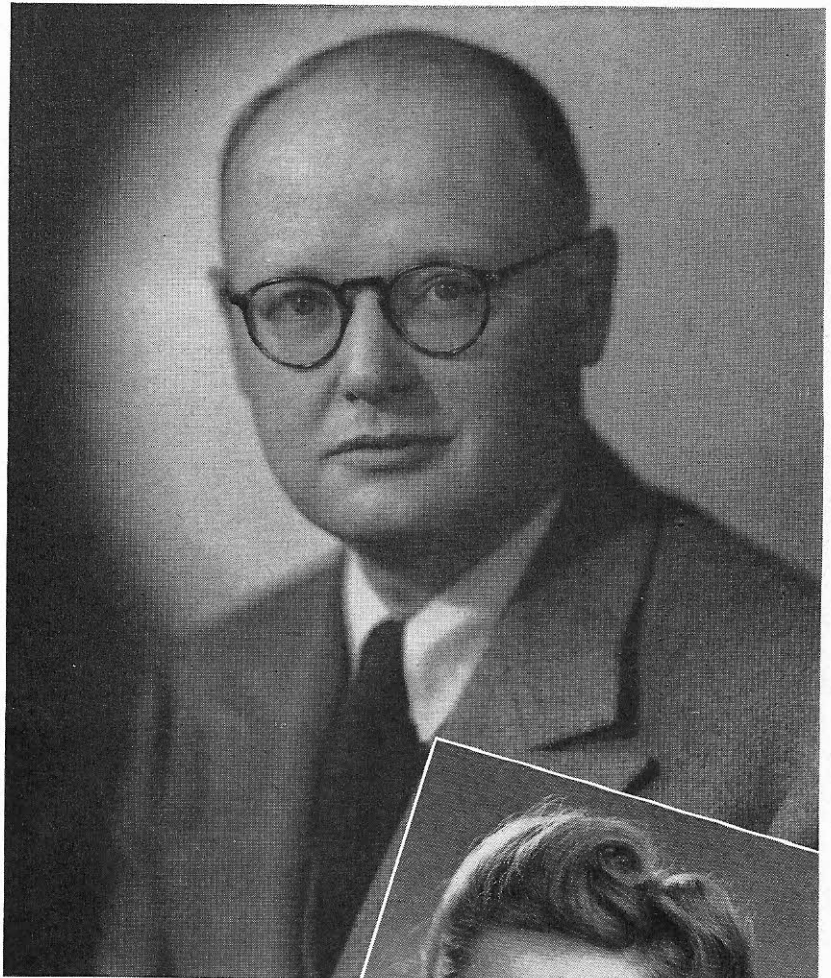
Advertising

No unworthy product can advertise in *Prairie Farmer*. Looking at some page "dummies," left to right, are Pauli Scotte, Marie Thiel, James E. Edwards, advertising manager, Pearl Ruck de Schel, B. W. Rhoads, classified, and Vern Anderson, assistant advertising manager. Not shown, Bill Brookman, Elwyn Seifert.



Arthur Moore, Editor

Keeping constantly in touch with agricultural conditions of the Middle West and of the nation, Arthur Moore directs the general editorial policies of *Prairie Farmer*. He is responsible for the editorial page in each issue, and keeps an eagle eye on reports from various departmental and field editors. Working directly with him, and responsible for getting the paper together and supervising the field staff, is Paul Chandler, managing editor, pictured with his family on another page. Mr. Moore's family also is shown elsewhere.



Gladys Skelley, Homemaking Editor

Directly below Mr. Moore's picture is Gladys Skelley, newest member of the staff, in charge of the homemakers department. She came recently from Iowa where she was doing editorial work for a farm organization.



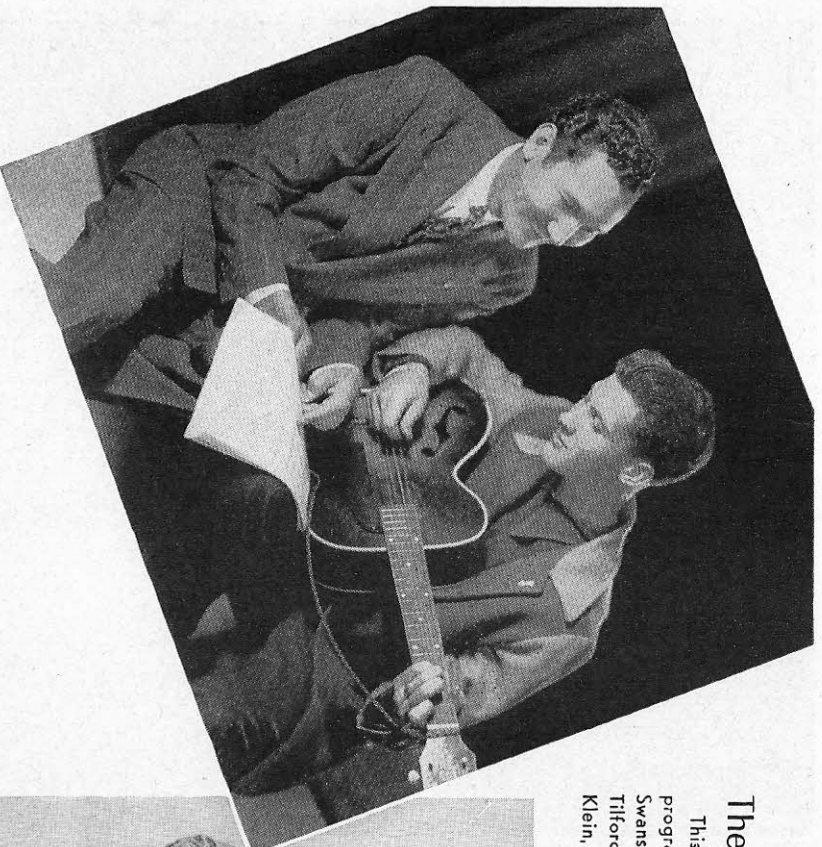
Della Loui

One gets the impression that Della Loui knows everybody in Wisconsin by his first name. She travels the state, attends farm meetings, calls on farmers in their homes.



Bill Renshaw

At the microphone, Bill Renshaw, works from the Indianapolis office, covers every nook and corner of Indiana. A flying enthusiast.

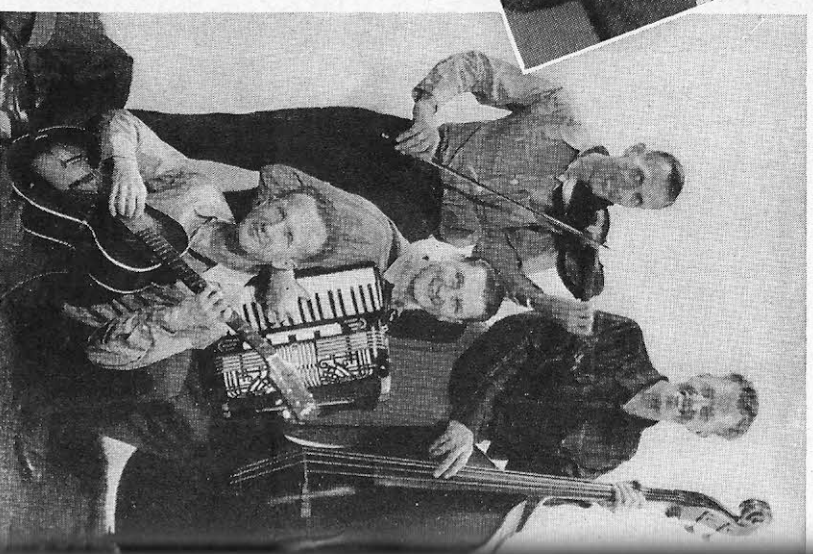


Holmes and Son

Floyd "Salty" Holmes flirts about the stage at the National Barn Dance, a solemn looking figure whose spontaneous antics rock the audience with laughter. Sometimes he sings amazing songs of his own composition, showing rare genius as a comedian. With him, above, is his son, Billy Lee Holmes, 15. Billy attends Crane Technical High School in Chicago, but it appears he is taking guitar lessons from his father.

The Rangers

This musical group is heard on a number of different programs. Tallest, playing the bass, is Arthur "Holl" Swanson, known on the National Barn Dance as "Little Tifford." Next, standing, is Chuck Hurta, center is August Klein, and on the floor Verne Fiedler.



The Roses

When last year's Album went to press, Paul Rose was in Japan. We're glad to give you here the who reunited family. You know Mrs. Paul Rose better as Patsy Montana, one of the gayest, cheeriest little persons who ever sang a "country girl" song. Their daughters, both of whom seem to be natural singers, are Bever 11, and Judy, 8 years old. The little girls were brought into the studio, to sit quietly while their mother sang before they were old enough to walk.





The Browns

You have known John Brown, WLS piano accompanist, for many years. Many will remember Mrs. Brown (Juanita), who some years ago sang as a member of the team May and June. We show you their children for the first time. They are Joan, 10, and Betty Jane, 7. From their parents they should have musical talent.

Grace Wilson

It is not just a phrase when we refer to Grace Wilson as "The girl with a million friends." Grace sang on the first program broadcast on WLS in April, 1924, and has been singing ever since. Few performers possess the rare sympathy and understanding Grace expresses in her songs. Perhaps it is because very early in life she faced personal tragedy. She was born at Owosso, Michigan.

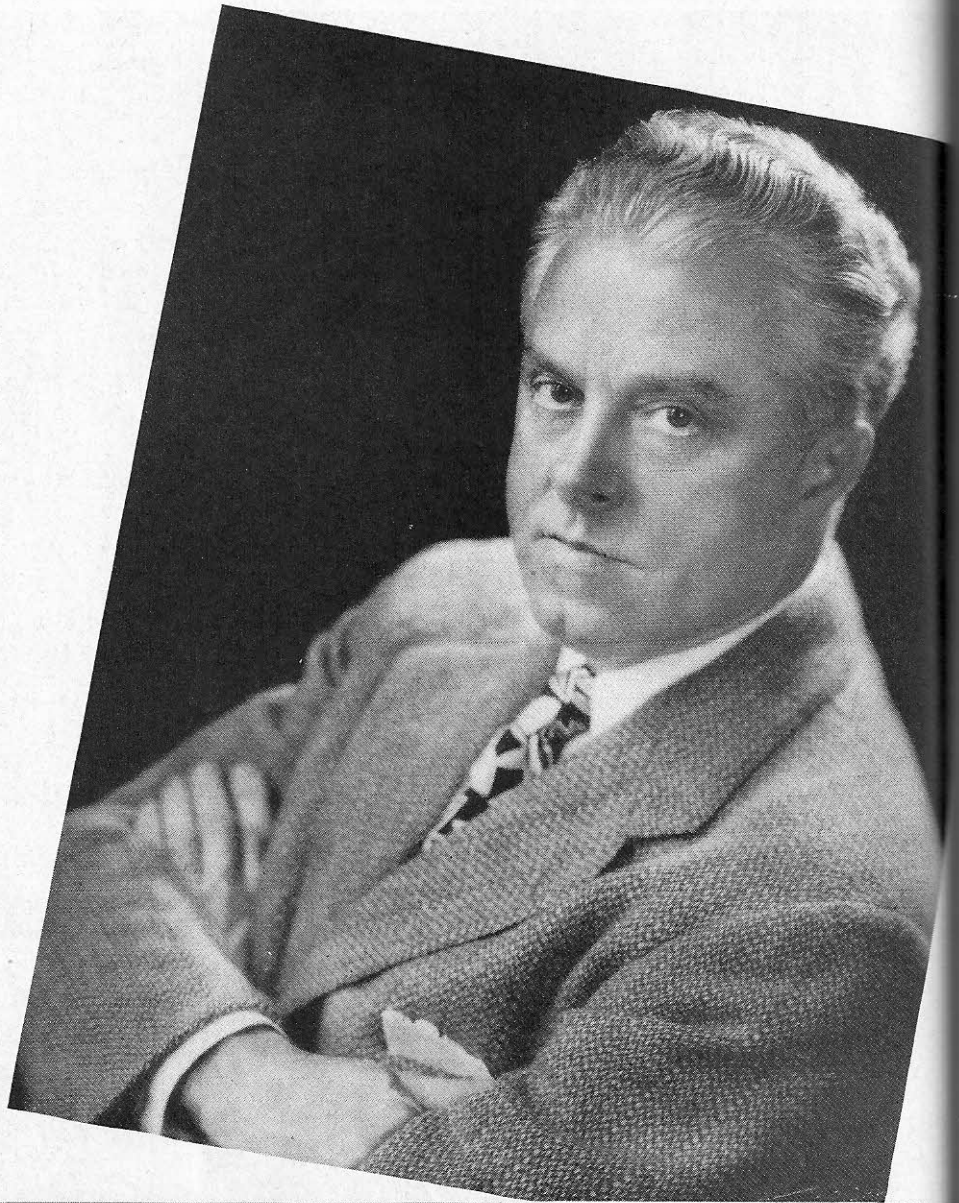


Herman Felber and The Orchestra

The serious, almost stern looking man at the right is Herman Felber, Director of the WLS Orchestra. He does take his music seriously, and is capable of being stern at times, but there's a merry twinkle behind those eyes, and plenty of little smile wrinkles around the corners of his mouth. Herman has been working at music since he was a very small boy, and has won many honors in that field.

The picture of the Orchestra has special significance. It was taken in Studio A one day just before Dinnerbell Time. In fact, the members had to scurry into their places to start the program on time. At the extreme left, standing just behind the bass horn, is Chris Steiner. This was the last picture ever taken of him, for he passed away a few days later. He had been with the WLS Orchestra 17 years.

The members of the Orchestra, from left to right, starting second from the left, standing: Roy Knapp, percussions; Irving Heinrich, clarinet; Joe Rullo, trumpet; Eddie Marks, trumpet; Lou Klatt, trumpet; Tom Moore, trombone; Herbert Johnson, piano; James Morash, saxophone; Lester Schein, bass; Margaret Sweeney, harp; (seated) Emilio Silvestre, violin; Eugene Kaltschmidt, violin; Maurice Schraeger, violin; Herman Felber, conductor; Ted DuMoulin, cello; Karl Schulte, violin; Charlotte Chambers, violin.





The Maple City Four

This quartet is one of the oldest exponents of old-time barber shop harmony. Originating in a drug store at LaPorte, Indiana, they took their name from that city, "The Maple City." Very early in the broadcasting history of WLS they moved in, and have been here ever since. There have been a few changes, but the spirit remains the same and the melody lingers on.

From left to right, in the picture at the left, they are Pat Petterson, Chuck Kerner, Al Rice (star performer on the shower bath wheeze), and Fritz Meissner. Next to singing sweet old songs, they like best to put on a minstrel show.

The Dawnbusters

When you talk about dawn at WLS, it more than likely means three or four o'clock in the morning, for this station pioneered in providing entertainment and service in the early hours. In the picture below, we find Ray Bandfield with the guitar, Dave Bohme with violin, Frank Messina with accordion, and James Palecek with the bass.



The Sackett Sisters

To you they are Allee and Laurie, but to their Mother and Dad at Marshfield, Wisconsin, they are (left to right) Alice and Delores. They were 10 and 12 years old when they sang in a WLS home talent show in 1937. Allee has talent as a cartoonist, and Laurie once hoped to be a dress designer. And Allee says Laurie is a fine cook.





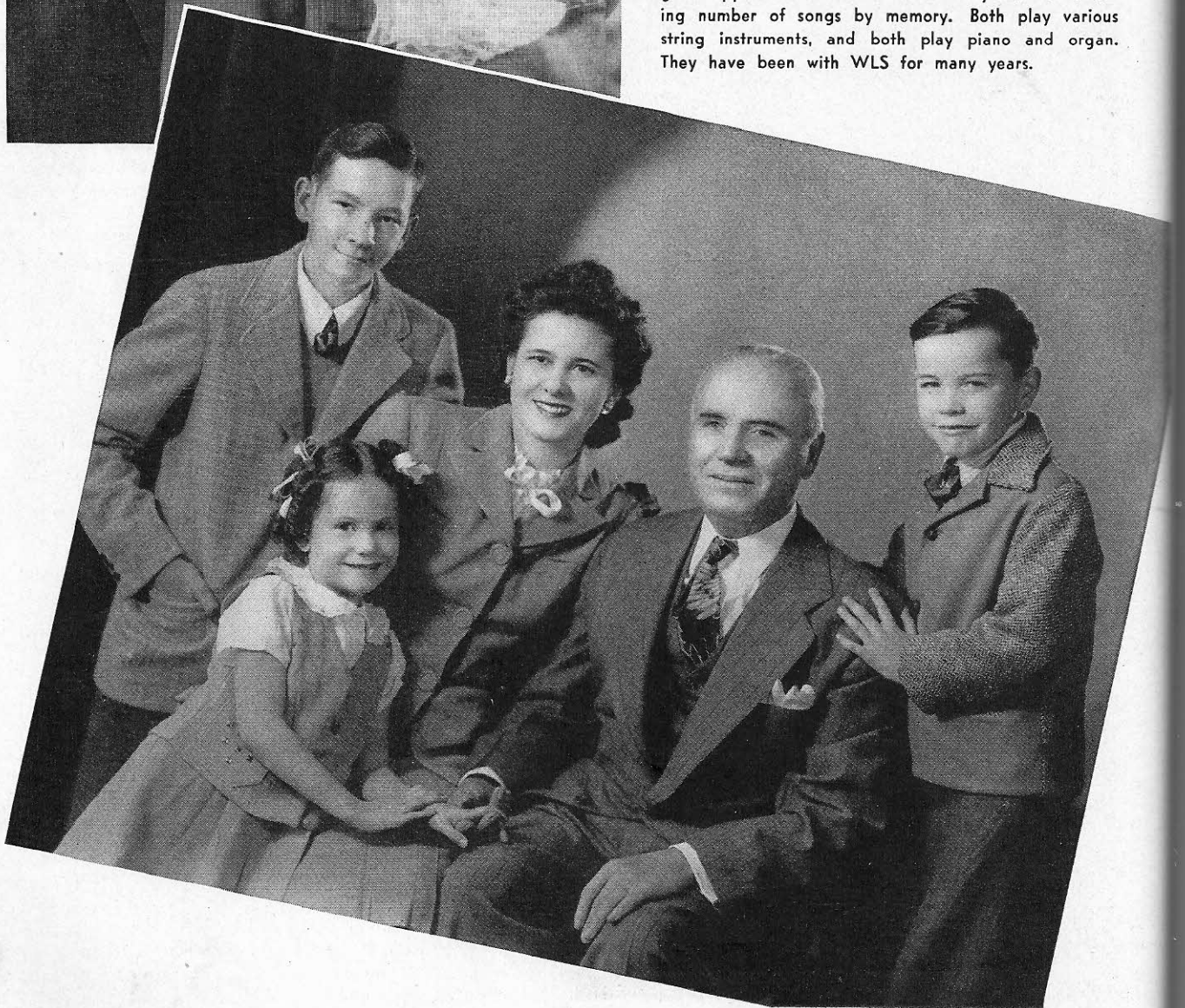
The MacFarlands and the Gardners

We were about to say the "Mac and Bobs," for it is impossible to think of one of these boys without the other. Neither has ever seen the other, but they have sung together for many years.

In the upper picture, Mr. and Mrs. Bob Gardner. Mrs. Gardner is known around the studios by her first name, Frances, for she usually goes along with Bob.

In the lower picture, Mr. and Mrs. Lester MacFarland and their children, Kenneth, 14; Larry, 9; and Carol, 6. Mrs. MacFarland's name is Ruby.

These two boys have something in their songs that reaches the heart, and their appearance always brings great applause from an audience. They know an amazing number of songs by memory. Both play various string instruments, and both play piano and organ. They have been with WLS for many years.



News Editor Julian Bentley

Julian T. Bentley, once a farm boy from McHenry county, Illinois, has been in a busy and serious job during recent years. Four news teletypes pour in news from all over the world, some good, some bad, and it must be edited constantly with a vast fund of background information. Twice Julian has gone overseas for firsthand observation, once during the war, once in 1946. He would never mention this, but he bore the Army rank of Lieutenant Colonel, status, civilian.



Associate News Editor Lewis

We are happy to be able to show the whole Ervin Lewis family, including Mrs. Lewis (Ruth), and young Jeff who was born on New Year's Eve of 1945—just a little while before 1946 arrived. Incidentally, Mrs. Bentley also is named Ruth.

Ervin is native of Oklahoma, and has been with WLS a number of years. He usually takes the early morning and forenoon watch over the teletypes, until Julian Bentley comes on for the afternoon and evening. Ervin was overseas as Prairie Farmer-WLS war correspondent, and will never forget how it seems to be narrowly missed by an exploding rocket bomb.

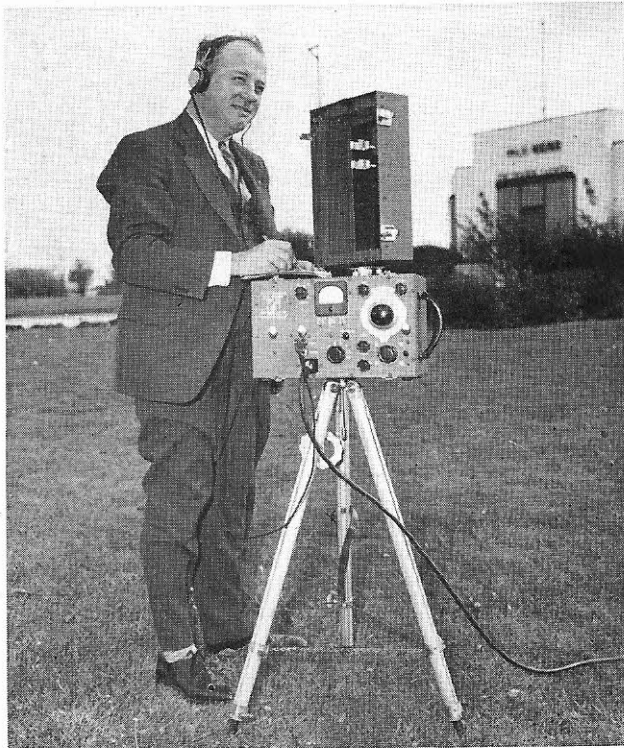


Transmitter

The WLS 50,000-watt transmitter which puts the signals on the air is no place for a novice. There are so many things you mustn't touch, so many flickering needles and softly glowing tubes carrying vast horsepower, that a visitor feels like standing still in the middle of the floor. To show some of the kinds of radio tubes used, we brought out the tiny little acorn tube held by the man at the right, and the big 100,000-watt water-cooled tube in the middle. Engineers shown, left to right are Harold Rawson, Thurber Bombaugh, William T. (Andy) Anderson, Fred Rayner, caretaker, and Walter McDonnell. During the war the transmitter was kept under armed guard, day and night.

Control Room

Whenever a program is on the air, one of these men is handling the controls and watching through the double glass. Here they are grouped in the master control room with Charlie Nehlsen (Nelly) examining one of the panels. Standing, left to right, Chuck Ostler, Bill Keller, Burr Whyland, Maurie Donnelly, Grant Blum and Bill Taylor.



Field Tests

If a radio engineer ever talked in his sleep he would probably mumble "testing, testing, testing." For there must be constant tests to make sure the signal is getting out. Shown here is Homer Courchene (the same Homer who used to "pull the big switch") with a field testing outfit.

Latest thing in telephone service is the portable radio-telephone, by which phone calls can be made from a moving automobile to any regular telephone. Chief Engineer Tom Rowe here is testing such a phone installed in the engineering department station wagon. At his right, operators Warren Jaynes and Clarence Wise.

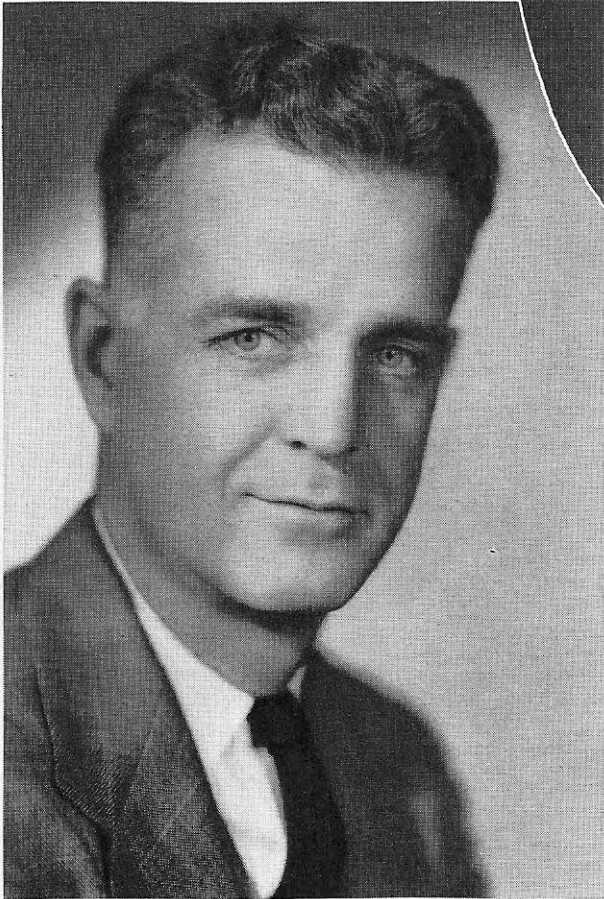
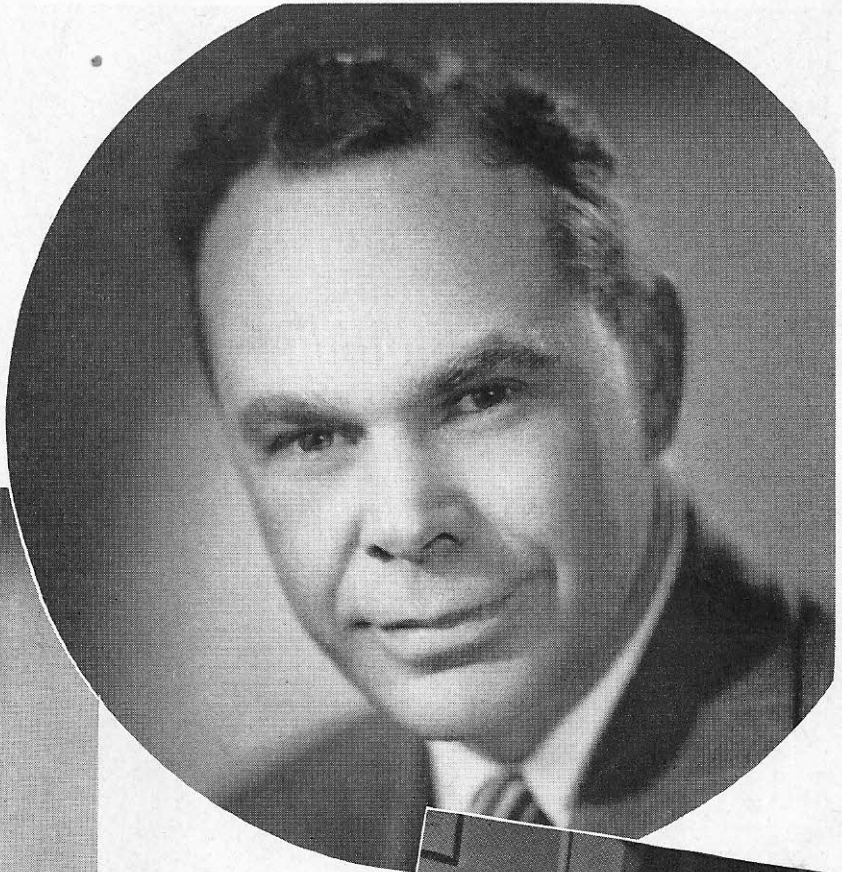


George Cook

Treasurer and assistant to Mr. Butler, President, is Missouri-born George Cook. Quiet, studious, and keen observer, Mr. Cook has a great deal to do with watching station policies as well as watching the budget.

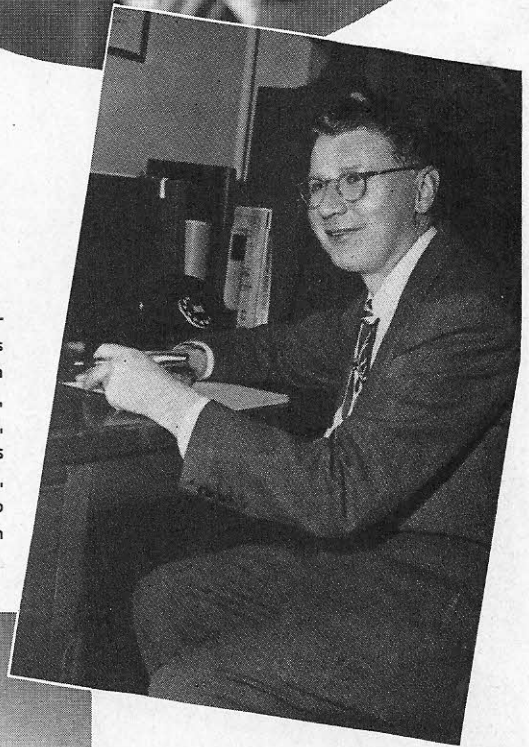
Al Boyd

Al (below) started as a messenger years ago, and has come through the ranks in many different jobs. Now in charge of production at WLS. He is also in charge of handling the Prairie Farmer-WLS Christmas Neighbors Club and its relations with hospitals and other institutions.



John Allen

Assistant treasurer of WLS, John is a great favorite on pay days. Genial, precise in figures, and writes with his left hand. However, nobody objects to his signature on checks.



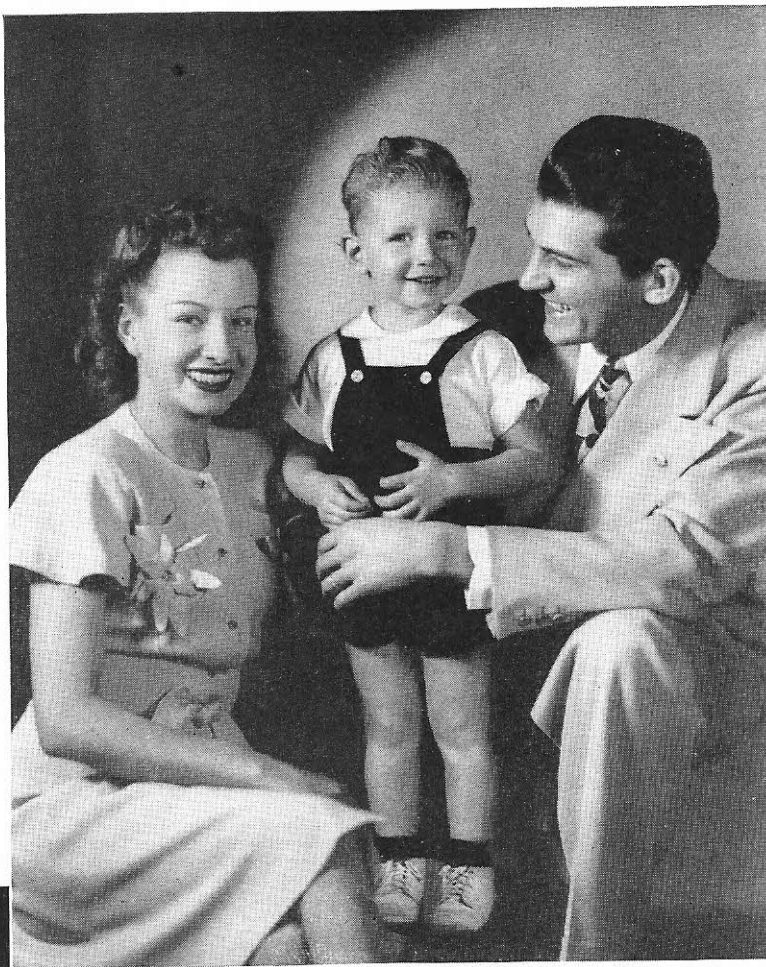
The Nelsons

Bob Nelson, WLS staff meteorologist, taught this subject at the University of Chicago, was major in air force, serving in China. Mrs. Nelson, Pricilla, also attended University of Chicago. Bob has been a Boy Scout Counsellor, has been in many choral productions, with singing his favorite hobby. He wrote some of the official textbooks on weather, used in instructing pilots. Works closely with government weather bureau.

The Ray Kleins

We label them this way because there is another Klein family, the Augie Kleins, not pictured this year. Ray is "Augie's little brother," and like him, plays the accordion as a member of the Sage Riders. Mrs. Klein, pictured in the Album for the first time, is another one of the DeZurik girls, sister to Caroline and Mary Jane. This one is Eva. Their son is Ronald Ray, 2½ years old.

Incidentally, these Klein boys, both accordion players, are nephews of Lou Klatt of the WLS orchestra, who used to be in the business of manufacturing accordions.



The Hewitts

Dolph Hewitt was endowed with a throat which gives him a range of voice far beyond that of most singers. He yodels easily in notes that can be compared only with a canary in full song. Dolph is one of the quietest, friendliest fellows you'll ever meet.

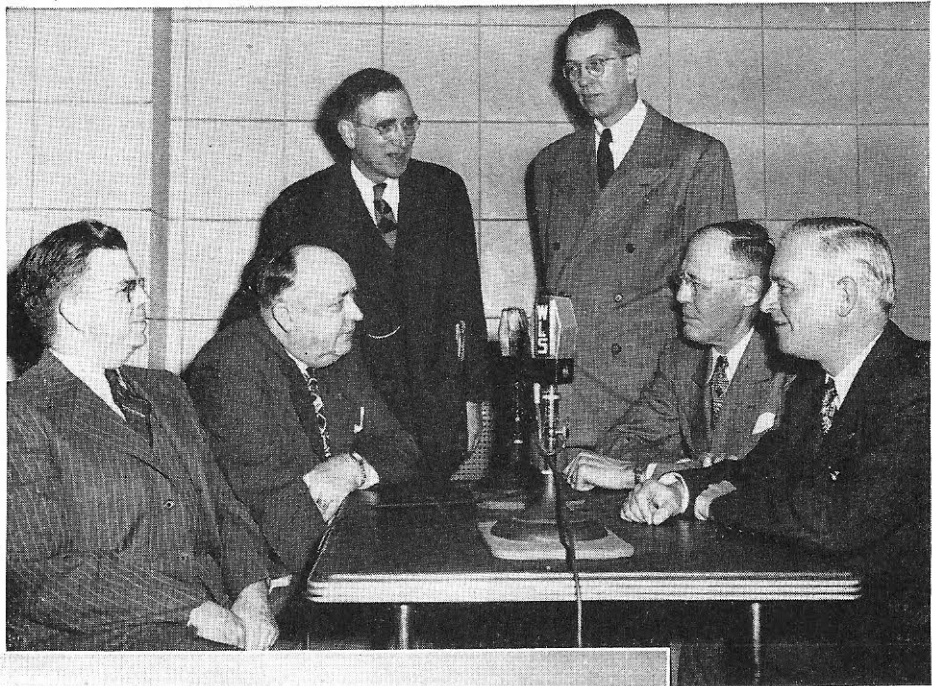
Mrs. Hewitt was Ruth Arlene Johnson, and was one of the singing Johnson Sisters, well known to radio listeners in some parts of the country.

Their little son, Charles Allen, was born in a hospital at St. Louis while Dolph was singing with the Sage Riders in the Prairie Farmer tent at the Wisconsin State Fair. We had to get along without Dolph the next day, for he caught the first plane for St. Louis.

Officials

In the Spring of 1946, when the State of Illinois launched its plans for G.I. education, a group of state officials came to Prairie Farmer-WLS for consultation, and to announce plans over the Dinnerbell program. In this work various departments were cooperating.

Shown in the group, seated, left to right, are J. E. Hill, Assistant Director, State Board of Vocational Education; Homer G. Bradney, Administrator of the Illinois Veterans Commission; Vernon L. Nickell, State Superintendent of Public Instruction; Governor Dwight Green. Standing, Arthur Page of WLS and Arnold Benson, Illinois State Director of Agriculture.



Poultry Service

These three men, members of the staff of Poultry Supply Dealer, are responsible for preparation of Poultry Service Time, heard every Saturday morning at 9:45. Left to right, they are Dale Kelley, Dave Mocine and Art Hirsch. No group of men in the country is in closer touch with poultry flockowners and hatcherymen than these three, which makes their broadcasts especially valuable.



Eggs to Czechoslovakia

War-ravaged Czechoslovakia was in great need of hatching eggs to replenish their flocks, which had been practically wiped out by the war. Prairie Farmer-WLS and Poultry Supply Dealer, cooperating with UNRRA, took the matter up with members of the Illinois Poultry Improvement Association. These men donated 60,000 fine quality hatching eggs.

The eggs were rushed to Chicago, loaded into a plane, and flown directly to Prague, Czechoslovakia, where they were distributed to hatcheries to start new flocks.

The picture at the left shows the eggs as loaded in the plane, with Roy Lynnes of Poultry Supply Dealer (in civilian clothes) going along to chaperon them and supervise distribution over there.

The Holdens

Mrs. John Haviland Holden is also Christine, the Little Swiss Miss whose yodeling and sweet singing have been a delight to listeners for years. Christine is not actually Swiss, but was born in Amsterdam, Holland, and talks Dutch with the best of the Hollanders. Jack Holden, native of Michigan, has been announcing on WLS for so many years that we can't remember the number. He is heard on the National Barn Dance, on numerous other programs, and is specially in demand for dramatic productions which require special interpretation.



Otto and Little Genevieve

You are looking at two distinct personalities in the same picture. Otto plays trumpet in the orchestra, and is heard in various other musical groups like the Virginia Hams, usually funny. Otto is really a very quiet, thoughtful and serious-minded man, yet almost everything he does in mirth provoking.

Little Genevieve, who confidentially is the same person in a different mood, is shown whispering to Otto by a bit of trick photography. "She" is the darling of the National Barn Dance, who recites, sings, and usually finishes by wailing "her" heart out if someone fails to appreciate "her" efforts. Sweet little thing, isn't she!

Otto is a highly skilled musician, and was formerly a high school band director.



Rex and Friend

This charming picture was taken in the Prairie Farmer tent at the Illinois State Fair. The little girl is Arlene Evans of Peoria, Illinois, who brought her autograph album for the signature of her favorite radio singer, Rex Allen.

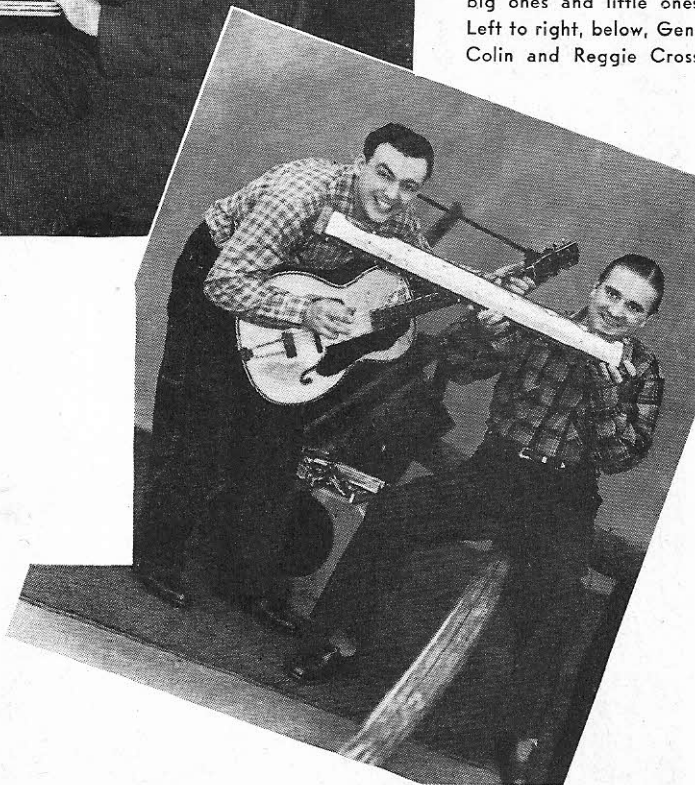
School Conference

Preliminary to plans for School Time courses this year, a group of County Superintendents spent a day with us. Starting at the left, around the table, they are: Louis Bottino, Supt. of Schools, Will county, Illinois; Mrs. Mary Endress, acting Supt., McHenry county; Noble Puffer, Supt., Cook county; Virginia Pickens of WLS School Time; Ruel Hall, Supt., Kankakee county; Charles W. Clark, Supt., Kendall county. They gave many suggestions for making School Time broadcasts of service to schools.



Hoosier Sod Busters

They claim the harmonica is a musical instrument, and undertake to prove it, with both big ones and little ones. Left to right, below, Gene Colin and Reggie Cross.



Larry Alexander

You hear Larry's friendly voice announcing numerous programs. He was in the Navy three years. Was born in Boston, but we're teaching him western ways.



The Jameses

Jimmy James has the valuable ability to make people laugh. In recent years that talent has been very important, for there was need to help people forget their troubles. Jimmy served in the Army, and always was able to see the funny side of any situation, no matter how arduous it was. We are happy to give you the whole family for the first time. From left to right, they are Mrs. James (Macel), Don Edwin, "Jimmy" himself, and Jimmy Thomas.

Fun

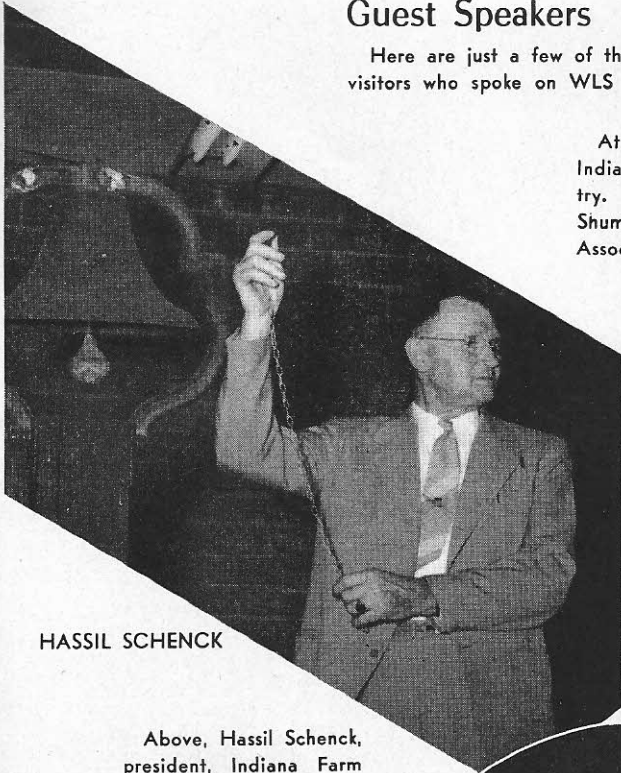
Every Sunday forenoon, Charles Eggleston and Rita Ascot—Uncle Charlie and Aunt Rita—read the funnies for the children. They also have a grand time with riddles and all sorts of contests, and get letters from thousands of boys and girls. We can tell you that they have as much fun putting on the broadcast as the children have listening to them. Rita has been heard on a great many dramatic programs, in which she sometimes is heard as a young boy. Charlie also is a veteran dramatic performer.



Guest Speakers

Here are just a few of the scores of distinguished visitors who spoke on WLS last year.

At right, Sahib Sardar Sant Singh, of India, spoke on food needs of that country. Next to him, at the right, Charles Shuman, president, Illinois Agricultural Association, talked on soil conservation.



HASSIL SCHENCK

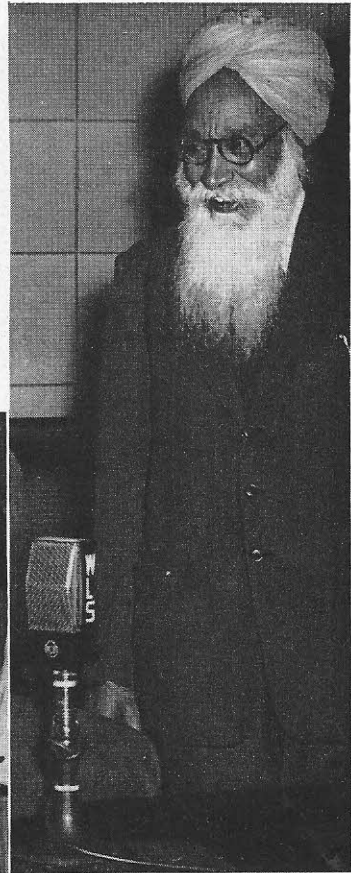
Above, Hassil Schenck, president, Indiana Farm Bureau Federation, rings the WLS Dinnerbell at the Indiana State Fair.

In the circle below, Dean E. L. Anthony of Michigan State College and A. G. Kettunen, Michigan state 4-H Club leader, took part in a broadcast from East Lansing.



DEAN E. L. ANTHONY
and A. G. KETTUNEN

CHARLES
SHUMAN



SARDAR SANT SINGH

Claude Wickard, below, Director of the nation-wide Rural Electrification Administration, stops in to talk about plans for getting more electric power to farms.

Carter Bowser, left, Indiana State Fire Marshall, talks rural fire prevention.

CLAUDE WICKARD



GOV. RALPH GATES

Above, Governor Ralph Gates of Indiana starts a Dinnerbell Program.



CARTER BOWSER

Left, Betty Gene Gardner, Wisconsin's lovely dairy queen, first greets public over WLS at Wisconsin State Fair.



BETTY GARDNER





The Carises

When we refer to Mr. and Mrs. Ray Caris, you may not know immediately who they are. But when we call attention to Mrs. Caris, and tell you her maiden name was Martha Crane, then you know. Martha came to work at WLS so many years ago that we've quit counting, and had the urge to get on the air with a woman's program. So she did. Then Ray Caris came along, and now we have the whole family as shown here. Left to right, Crane Caris, Martha, Ray, and Barry. Ray is in business in Chicago, and Martha is an active housekeeper besides handling the daily Feature Foods program on the air.

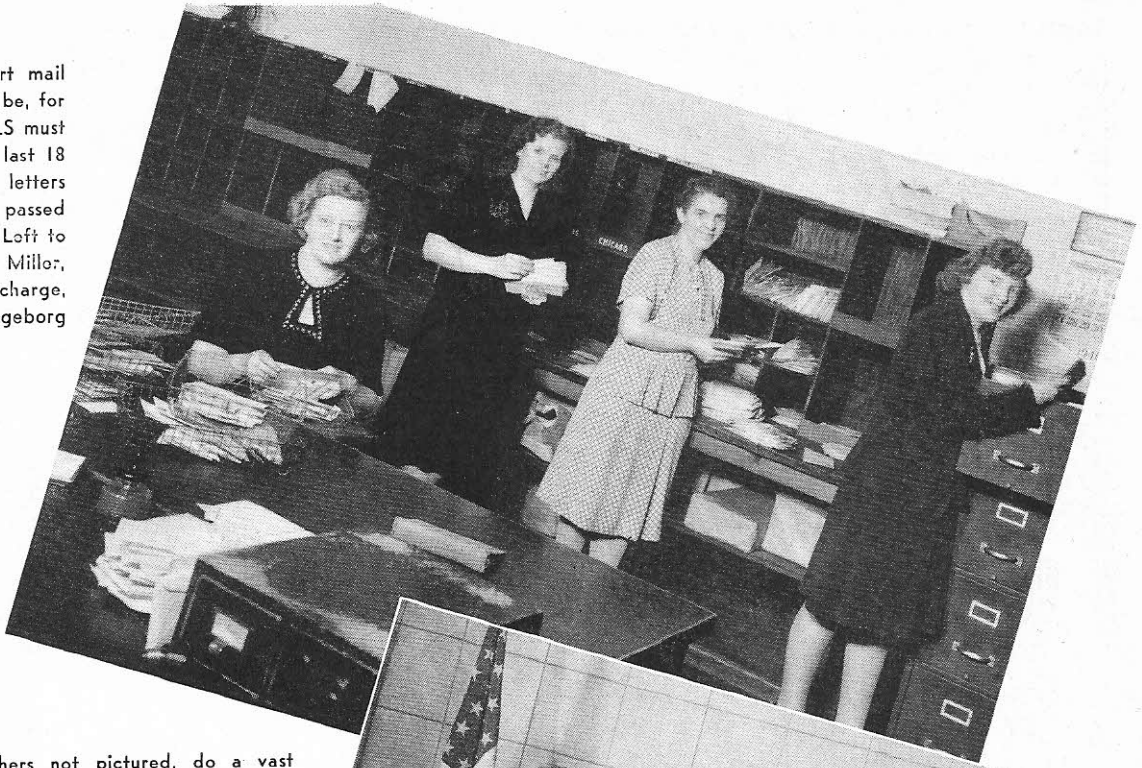
Helen Joyce

The two names, Martha and Helen, just seem to go together. Helen Joyce has worked across the table from Martha for a good many years, and their temperaments seem to fit in perfect harmony. Their greatest delight comes from bringing valuable information to women listeners, and then getting letters saying it has been put to use. They get a vast amount of mail, all of which is read carefully. Helen has a tall son who was an ensign in the Navy. She was head of Navy Mothers in Chicago during the war.



Mail

These girls are expert mail handlers. They have to be, for all mail received at WLS must move promptly. In the last 18 years, seventeen million letters and post cards have passed through this mailroom. Left to right the girls are Anna Millor, Mildred Burton, in charge, Emma Heitmann, and Ingeborg Dunge.



These girls, and others not pictured, do a vast amount of detail work vitally essential to the smooth operation of programs. They are part of every program, even though they are not heard.



Scripts

The girls above handle a variety of work, much of it related to preparation of copy ready for the studio. Program material first passes the continuity department, then must be re-read, duplicated, scheduled and delivered to the proper person.

Left to right, standing, Marjorie Adams has handled Rounding Up the World copy, Louise Miller is Dr. Holland's secretary, Mildred Schmidt is now assistant in the treasurer's office, Dessa Bisson copies scrips and sometimes writes one, Grace Cassidy watches everything and gets everything done. Seated, Ida Van Zwieten, Violet Effertz, Fern MacKeon, Harold Safford's secretary, and Annabelle Patten.

Every year about 200 newlywed couples come in to visit the Dinnerbell program. Each bride is expected to ring one of the old dinnerbells which start the program. Romaine Benner, secretary of the Farm Program Department, stands by to show them how to ring the bells.

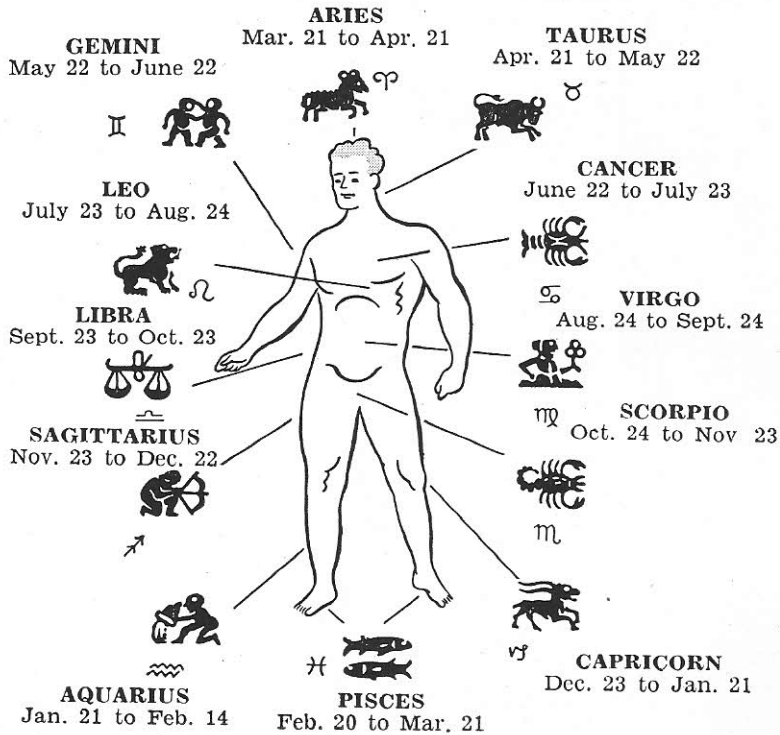
Every day is good
and full of sunshine
for those who work
to make others happy.

PRAIRIE FARMER-WLS ALMANAC 1947 Edition

As all winds blow
toward the fire, so
do many rally to help
him who has a plan.

"Count that day lost, whose low descending sun, views from thy hand no worthy action done."

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HISTORY REPEATS

The days of the week and dates of the month are the same in 1947 as they were in 1941. This will not occur again until 1958 unless there is a change in the calendar system.

June this year is the only month to begin on Sunday, but March, August and November have five Sundays.

EASTER SUNDAY

Easter Sunday this year falls on April 6. The last time it came on this date was in 1890 and will again occur in 1958 unless there is a calendar change. Easter symbolizes peace and everlasting life, but, ironically, this year it falls on the United States Army Day.

There are 53 Wednesdays in the year 1947.

Eclipses in Year 1947

There will be three eclipses during 1947 (two of the sun and one of the moon). Of these only one will be visible in the United States except for parts of Minnesota, Wisconsin, Ohio, Michigan, Pennsylvania, New York, Massachusetts, Vermont and all of New Hampshire and Maine. This will occur November 12.

This will be an annular eclipse; that is, the moon is not close enough to earth at the time to fully hide the sun at maximum totality, thereby leaving a ring of sunlight overflowing the rim of the moon. This phase of the eclipse can only be seen in the Pacific ocean west and south of the North American continent, and in Ecuador and northern Brazil of South America. In the United States the eclipse will be partial, ranging from one one-hundredth coverage over northeastern states to two-fifths of the sun being covered over southern California regions.

The following list gives the standard time of beginning, middle and ending of the eclipse in various cities. This is followed by the maximum coverage of the sun in parts of 100.

Annular Eclipse of Sun November 12, 1947

Standard Time: E, Eastern; C, Central; M, Mountain; P, Pacific.

	Begin	Middle	End	Mag.
M Arizona, Phoenix	11 45 am	0 58 pm	2 14 pm	0.31
M Colorado, Denver	11 51 am	0 42 pm	1 34 pm	0.14
E District of Columbia	3 31 pm	3 55 pm	4 18 pm	0.04

MORNING STARS—1947

MERCURY—from January 1 to 23, March 8 to May 15, July 14 to August 29 and November 5 to December 31. Best seen close to horizon just before sunrise about April 5, August 3 and November 22. Brightest in August.

VENUS—from January 1 to September 3. Best seen in January and February, and brightest during former month.

MARS—from January 6 to December 31.

JUPITER—from January 1 to May 14 and December 1 to 31. Best seen during April and May, during which time it is the brightest for the year.

SATURN—from January 1 to 26 and August 5 to December 31. Best seen in January and February.

EVENING STARS—1947

MERCURY—from January 23 to March 8, May 15 to July 14 and August 29 to November 5. Best seen close to horizon just after sunset February 20, June 17 and October 13. Brightest in February and May.

VENUS—from September 3 to December 31.

MARS—from January 1 to 6.

JUPITER—from May 14 to December 1. Brightest and best seen in May and June.

SATURN—from January 26 to August 5. Best seen in January and February.

ALL NIGHT STARS—1947

JUPITER—from March 30 to June 28.

SATURN—from January 1 to March 12.

CHRONOLOGICAL CYCLES

Dominical Letter	E	Solar Cycle	24
Epact	8	Roman Indiction	15
Golden Number	10	Julian Period	6660

First Almanacs in Egypt

The first almanacs were written by hand on papyrus by the Egyptians, Chaldeans and Arabians, probably 4,000 years ago. These early astronomers and astrologers were undertaking to penetrate the mysterious relationship between earthly events and movement of heavenly bodies. In Egypt the date when the Nile overflowed its banks was of great importance. At the first glimpse of Sirius, the Dog Star, they were able to predict that the Nile would soon overflow.

Scientific men for awhile insisted the moon had no influence on planting dates for crops. Now they are not so sure. Many people follow these dates carefully.

C Illinois, Springfield	1 54 pm	2 20 pm	2 45 pm	0.04
C Indiana, Indianapolis	1 52 pm	2 14 pm	2 35 pm	0.03
C Iowa, Des Moines	1 58 pm	2 23 pm	2 49 pm	0.04
C Kansas, Topeka	1 53 pm	2 30 pm	3 08 pm	0.07
C Kentucky, Louisville	1 47 pm	2 15 pm	2 43 pm	0.04
C Louisiana, New Orleans	1 41 pm	2 38 pm	3 31 pm	0.17
C Missouri, Kansas City	1 52 pm	2 28 pm	3 03 pm	0.07
C Nebraska, Omaha	1 56 pm	2 27 pm	2 58 pm	0.05
M New Mexico, Santa Fe	11 46 am	0 48 pm	1 51 pm	0.20
E New York, New York	3 27 pm	3 44 pm	4 01 pm	0.02
E Ohio, Cincinnati	3 48 pm	4 12 pm	4 35 pm	0.03
C Oklahoma, Oklahoma City	1 47 pm	2 38 pm	3 27 pm	0.13
E Pennsylvania, Philadelphia	3 29 pm	3 49 pm	4 08 pm	0.03
C Tennessee, Nashville	1 45 pm	2 21 pm	2 56 pm	0.07
M Utah, Salt Lake City	11 54 am	0 53 pm	1 53 pm	0.21
P Washington, Seattle	10 15 am	11 12 am	0 12 pm	0.24
C Wisconsin, Madison	2 08 pm	2 14 pm	2 20 pm	Minor

Facts About Friday

Friday, the 13th occurs just once this year and that is in June, the month of roses and June brides, while August is the only month to begin on Friday. Three months—January, February and October—end on Friday.

The fourth day of the fourth month, sixth day of the sixth month, eighth day of the eighth month, tenth day of the tenth month and twelfth day of the twelfth month all fall on Friday this year.

Memorial and Independence day fall on Friday in 1947 as do Benjamin Franklin's birthday, St. Valentine's Day, American Indian Day, Hallowe'en and, of course Good Friday. In Turkey our Friday is their Sabbath. Spring begins on Friday and in the Rocky Mountain and Pacific coast states, summer begins on Friday.

Friday has many good and bad reputations. The idea it is a day of ill omen dates back before the advent of Christianity but the feeling was intensified at the death of Christ who was crucified on Friday.

On the other hand, medieval Jews considered Friday the most popular day for weddings which could be due to the fact that Venus, Goddess of Love governed over that day. Norsemen also regard the day as lucky and two different doggerels regarding being born on Friday say "Worthily given" and "Memorable changes." Columbus set sail from Europe on a Friday and 10 weeks later to the day set foot upon the western hemisphere. John Cabot was given his commission to find North America on a Friday and on the same day of the week 113 years later Henry Hudson discovered the Delaware river and two weeks later on Friday sailed into New York Bay. The Pilgrims started for America and arrived at Plymouth on a Friday. On this day of the week George Washington was born, the English surrendered to the Americans at Saratoga, Cornwallis was defeated at Yorktown and Congress first declared the Colonies free.

It has been said one should not bake on Friday. Also, eggs laid on Good Friday will not spoil and chickens hatched from eggs set on this day will be speckled. A dream on Friday night will come true, and to prevent toothache, cut finger nails on Friday,

Hebrew Holidays, 1947

Market poultry shippers watch these periods because of the increased demand for poultry. All Hebrew holidays begin at sunset of the previous day.

PURIM—March 5. Best market days, February 28 and March 3. Demand for fancy fowl and hen turkeys, usually not heavy.

PASSOVER—April 5-6. Best market days, April 1-3. Demand for fancy fowl, capon, hen turkeys and ducks.

LAST PASSOVER—April 11-12. Best market days, April 7-9. Prime quality of all kinds of poultry wanted.

FEAST OF WEEKS—May 25-26. Best market days May 21-23. Not much extra demand.

NEW YEAR'S DAY—September 15. Best market days, September 10-12. Demand for fancy fat fowl, hen turkeys, ducks, geese and squabs.

DAY OF ATONEMENT—September 24. Best market days, September 18-19, and 22. Demand for all prime chickens.

FEAST OF TABERNACLES—September 29-30. Best market days, September 26-28. Demand for ducks, fowl, fat geese, squabs and hen turkeys.

REJOICING OF THE LAW—October 6-7. Best market days, October 2-3. All kinds of prime poultry wanted.

CHANNUKAH—December 8. Best market days, Dec. 4-5, not much extra demand.

FAST DAYS—January 2, July 5, July 26 to August 4, September 17.

The Moon

Our nearest neighbor in space, the Moon, is about 239,000 miles away, and has a diameter of 2,163 miles, a little more than one-fourth that of the Earth. Because of difference in density, it would take the material in 81 Moons to equal the Earth. Temperature is believed to fall to 200 degrees below zero on its surface. The light from the full Moon is estimated by measurements to be 1/600,000 as strong as the light of the noonday sun. From the Earth it is possible to see about three-fifths of the Moon's surface, but two-fifths have never been seen. Some of the craters of the Moon have walls as high as 20,000 feet. The average time it takes for the Moon to move around the earth in its orbit is 27 days, 7 hours, 43 minutes. The gravitational pull of the Moon causes the tides in the oceans of Earth. Some scientists believe the Moon was once a part of the Earth.

Ancient Calendar Changes

Ancient Egyptians once had 12 months of 30 days each, with a 5-day holiday so the sun could catch up. The Romans once went by the moon, with a year of 354 days, adding one more day for luck. This, of course, made a year 10 days short as measured by the movement of the sun. Julius Caesar found the calendar all mixed up, called in an Egyptian astronomer for advice. He decreed one year of 445 days, and then a fresh start. The following year started on the first day of the new moon following the winter solstice, and the date was called January 1. The actual year is 365 days, 6 hours, 48 minutes and 46 seconds long. The present calendar was not adopted until the year 1752. It gains one day every 3,000 years.

but do not move on a Friday because "Friday fittings—short sittings."

A Long Summer

This year will have the longest astronomical summer since 1939 with 93 days, 15 hours and 10 minutes. From the beginning of winter 1946 to beginning of same season 1947 will be 365 days, 5 hours and 49 minutes in length. This is one minute less than 1946 but the same length as 1945.

To Find Standard Time of Sun or Moon Rise or Set in Your Locality

1. Find nearest city in the following list.
2. Letter preceding name of city refers to Southern (S), Central (C) or Northern (N) latitudes on calendar pages.

SUNRISE

3. To sunrise figure add or subtract (according to plus or minus sign) figure following name of city in ST (Standard Time) column.
4. Continue along to the right on same line to month desired and, to result already found, add or subtract (according to sign) the figure found here. Result is standard time of sunrise in your locality.

SUNSET

5. To find standard time of sunset, reverse the plus or minus sign.

MOONRISE

6. To find standard of moonrise (when listed in the proper column), follow similar operation. Result will be standard time over Eastern time belt states.

7. If you are in Central time belt, add two minutes; if in Mountain time belt, add four minutes; Pacific time belt, add six minutes.

MOONSET

8. Find standard time of moonset same way except reverse the plus or minus.

EXAMPLES WITH THE SUN

Find standard time of sunrise in or around Cedar Rapids, Iowa, April 6, 1947. Letter N preceding name of city refers to column of sunrise for northern latitudes and for 6th of April is 5.34 in the morning. To this add 6 minutes as indicated in ST column, making total of 5.40. Follow out Cedar Rapids line to April column, where it indicates to add 2 more minutes, bringing total to 5.42, the standard time of sunrise around Cedar Rapids.

EXAMPLES WITH THE MOON

Moonrise and moonset are figured same way as for sun but be careful to use proper plus or minus sign. Use same sign as in table for rising; reverse sign for setting.

Find standard time of rising moon around Mobile, Alabama, July 4, 1947. Letter S before Mobile in correction table refers to calendar column of southern latitudes and time given is 8.25. The ST column gives "-8" which, subtracted from 8.25, leaves 8.17. On same Mobile line in July column of correction table is found "-3," so 3 more minutes are subtracted from 8.17, leaving 8.14. Since Mobile is in Central time belt, a further correction of an added 2 minutes will bring standard time of moonrise to 8.16 in the evening.

CORRECTION TABLE FOR SUN OR MOON RISE OR SET ON CALENDAR PAGES

State and City	ST	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
ARIZONA													
S Phoenix	+28	+7	+5	+2	-1	-5	-7	-8	-6	-2	+1	+4	+7
ARKANSAS													
C Fayetteville	+17	-3	-2	0	+1	+1	+3	+3	+3	+1	-1	-1	-2
CALIFORNIA													
C Los Angeles	-7	-8	-6	-3	+1	+6	+8	+9	+7	+3	-1	-4	-7
ILLINOIS													
C Alton	+1	+5	+4	+2	-1	-3	-5	-5	-5	-2	+1	+3	+5
C Cairo	-3	0	0	0	0	0	0	0	0	0	0	0	0
N Chicago	-9	-10	-7	-2	+2	+7	+10	+11	+8	+3	+1	-5	-9
N Dixon	-2	-10	-7	-2	+2	+7	+10	+11	+8	+3	+1	-5	-9
C Galesburg	+2	+11	+8	+4	-2	-7	-11	-12	-10	-4	+1	+7	+11
C Murphysboro	-3	+2	+2	+1	0	-2	-3	-3	-2	-1	0	+2	+3
C Urbana	-7	+8	+6	+3	-1	-5	-8	-8	-7	-3	+1	+5	+8
INDIANA													
C Bedford	-14	+5	+4	+2	-1	-3	-5	-5	-5	-2	+1	+3	+5
C Crawfordsville	-12	+8	+6	+3	-1	-5	-8	-8	-7	-3	+1	+5	+8
C Evansville	-10	+2	+2	+1	0	-2	-3	-3	-2	-1	0	+2	+3
C Ft. Wayne	-21	+11	+8	+4	-2	-7	-11	-12	-10	-4	+1	+7	+11
N South Bend	-15	-10	-7	-2	+2	+7	+10	+11	+8	+3	+1	-5	-9
IOWA													
N Cedar Rapids	+6	-10	-7	-2	+2	+7	+10	+11	+8	+3	+1	-5	-9
N Sioux City	+26	-8	-6	-2	+1	+5	+8	+9	+7	+2	+1	-4	-8
KENTUCKY													
C Louisville	-17	+2	+2	+1	0	-2	-3	-3	-2	-1	0	+2	+3
LOUISIANA													
S Shreveport	+15	+6	+4	+1	-1	-4	-6	-7	-5	-2	+1	+3	+6
MICHIGAN													
N Benton Harbor	-14	-10	-7	-2	+2	+7	+10	+11	+8	+3	+1	-5	-9
N Ludington	-14	-3	-2	-1	+1	+2	+3	+4	+3	+1	0	-2	-3
N Traverse City	-18	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA													
N Minneapolis	+13	0	0	0	0	0	0	0	0	0	0	0	0
MISSOURI													
C Columbia	+9	+5	+4	+2	-1	-3	-5	-5	-5	-2	+1	+3	+5
NEBRASKA													
C Omaha	+24	+11	+8	+4	-2	-7	-11	-12	-10	-4	+1	+7	+11
NEW YORK													
N Buffalo	+15	-6	-5	-2	+1	+4	+6	+7	+5	+2	+1	-4	-6
NORTH DAKOTA													
N Fargo	+27	+8	+6	+2	-2	-5	-8	-9	-7	-3	-1	+5	+8
OHIO													
C Columbus	+32	+8	+6	+3	-1	-5	-8	-8	-7	-3	+1	+5	+8
OKLAHOMA													
C Tulsa	+24	-3	-2	0	+1	+1	+3	+3	+3	+1	-1	-1	-2
SOUTH DAKOTA													
N Rapid City	-7	-3	-2	-1	+1	+2	+3	+4	+3	+1	0	-2	-3
TEXAS													
S Dallas	+27	+7	+5	+2	-1	-5	-7	-8	-6	-2	+1	+4	+7
WISCONSIN													
N Eau Claire	+6	0	0	0	0	0	0	0	0	0	0	0	0
N LaCrosse	+5	-3	-2	-1	+1	+2	+3	+4	+3	+1	0	-4	-6
N Madison	-2	-6	-5	-2	+1	+4	+6	+7	+5	+2	+1	-4	-6
N Manitowac	-9	-3	-2	-1	+1	+2	+3	+4	+3	+1	0	-4	-6
N Milwaukee	-8	-6	-5	-2	+1	+4	+6	+7	+5	+2	+1	-4	-6

(Eastern Standard Time)

JANUARY



(Central Standard Time)

- ☉ Full Moon
Jan. 6th — 11 27 pm
- ☾ Last Quarter
Jan. 13th — 9 56 pm
- ☾ New Moon
Jan. 22nd — 3 34 am
- ☽ First Quarter
Jan. 29th — 7 07 pm

- ☉ Full Moon
Jan. 6th — 10 27 pm
- ☾ Last Quarter
Jan. 13th — 8 56 pm
- ☾ New Moon
Jan. 22nd — 2 34 am
- ☽ First Quarter
Jan. 29th — 6 07 pm

THIS MONTH'S HARVEST—Wheat in New Zealand; corn, Union of South Africa; oats, Uruguay and Paraguay; rye, Natal; barley, Tasmania; peaches, Argentina; grapes, Chile.

1st Month.....31 Days	Lower Illinois, Lower Indiana, Lower Ohio	Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin	Central Michigan, Upper Michigan, Upper Wisconsin
Days Gone.....0			
Days Remaining.....365			

Day	DW	Moon Sign	Sun Slow	Sun			Moon			Sun			Moon		
				Rise	Set	Set	Rise	Set	Set	Rise	Set	Set	Rise	Set	Set
1	We	☾	3	6 56	5 11	0 44	7 14	4 53	0 47	7 37	4 28	0 50			
2	Th	☾	4	6 56	5 12	1 47	7 14	4 54	1 54	7 30	4 29	2 04			
3	Fr	☾	4	6 56	5 12	2 52	7 14	4 55	3 04	7 38	4 30	3 21			
4	Sa	☾	5	6 57	5 13	4 02	7 14	4 55	4 19	7 30	4 31	4 41			

Day	DW	Moon Sign	Sun Slow	10h 16m 13h 44m			9h 42m 14h 18m			8h 54m 15h 06m		
				Rise	Set	Set	Rise	Set	Set	Rise	Set	Set
5	Su	☾	5	6 57	5 13	5 13	7 14	4 56	5 33	7 38	4 32	6 01
6	Mo	☾	5	6 57	5 14	RisEv	7 14	4 57	RisEv	7 38	4 33	RisEv
7	Tu	☾	6	6 57	5 15	5 56	7 14	4 58	5 35	7 38	4 34	5 06
8	We	☾	6	6 57	5 16	7 07	7 14	4 59	6 49	7 38	4 35	6 25
9	Th	☾	7	6 57	5 16	8 16	7 14	5 00	8 03	7 37	4 37	7 44
10	Fr	☾	7	6 57	5 17	9 21	7 14	5 01	9 13	7 37	4 38	9 01
11	Sa	☾	8	6 57	5 18	10 23	7 14	5 02	10 19	7 37	4 39	10 13

Day	DW	Moon Sign	Sun Slow	10h 22m 13h 38m			9h 49m 14h 11m			9h 03m 14h 57m		
				Rise	Set	Set	Rise	Set	Set	Rise	Set	Set
12	Su	☾	8	6 57	5 19	11 22	7 14	5 03	11 23	7 37	4 40	11 22
13	Mo	☾	8	6 57	5 20	Morn	7 14	5 04	Morn	7 36	4 41	Morn
14	Tu	☾	9	6 57	5 21	0 19	7 13	5 05	0 23	7 36	4 43	0 29
15	We	☾	9	6 57	5 22	1 14	7 13	5 06	1 22	7 35	4 44	1 35
16	Th	☾	9	6 57	5 23	2 09	7 13	5 07	2 22	7 35	4 45	2 39
17	Fr	☾	10	6 57	5 24	3 05	7 13	5 08	3 21	7 34	4 46	3 43
18	Sa	☾	10	6 57	5 25	4 00	7 12	5 09	4 19	7 34	4 47	4 45

Day	DW	Moon Sign	Sun Slow	10h 29m 13h 31m			9h 58m 14h 02m			9h 16m 14h 44m		
				Rise	Set	Set	Rise	Set	Set	Rise	Set	Set
19	Su	☾	10	6 56	5 25	4 55	7 12	5 10	5 15	7 33	4 49	5 45
20	Mo	☾	11	6 56	5 26	5 47	7 11	5 11	6 08	7 33	4 50	6 39
21	Tu	☾	11	6 56	5 27	6 36	7 11	5 12	6 57	7 32	4 51	7 26
22	We	☾	11	6 56	5 28	SetEv	7 10	5 13	SetEv	7 31	4 52	SetEv
23	Th	☾	12	6 55	5 29	6 46	7 10	5 14	6 31	7 30	5 54	6 10
24	Fr	☾	12	6 55	5 29	7 43	7 09	5 16	7 32	7 30	4 55	7 16
25	Sa	☾	12	6 54	5 30	8 41	7 09	5 17	8 34	7 29	4 57	8 23

Day	DW	Moon Sign	Sun Slow	10h 37m 13h 23m			10h 10m 13h 50m			9h 30m 14h 30m		
				Rise	Set	Set	Rise	Set	Set	Rise	Set	Set
26	Su	☾	12	6 54	5 31	9 38	7 08	5 18	9 36	7 28	4 58	9 31
27	Mo	☾	13	6 54	5 32	10 37	7 07	5 19	10 38	7 27	4 59	10 40
28	Tu	☾	13	6 53	5 33	11 37	7 06	5 20	11 43	7 26	5 01	11 51
29	We	☾	13	6 53	5 34	Morn	7 06	5 21	Morn	7 24	5 02	Morn
30	Th	☾	13	6 52	5 35	0 40	7 05	5 22	0 49	7 23	5 04	1 04
31	Fr	☾	13	6 52	5 36	1 45	7 04	5 23	1 59	7 22	5 05	2 20

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

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

DATES AND BEST HOURS FOR FISHING

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

- Get new farm account books started, close out the old one.
- Make seed and nursery orders.
- Check flues and chimneys for fire hazards.
- Take snow scenes to be made into next year's Christmas cards.
- Invite the neighbors in to share the new Christmas games.
- Support community meetings by attending.
- Plan home and business affairs for the year.
- Provide feed for wild life.
- Make a notebook of your favorite recipes.

DR. HOLLAND SAYS:

Hope is the soul's unworded prayer.
 Fiery words, like all flames, leave ashes.
 Refuse to repeat a slander and you help to defeat it.
 When I see a person always smiling, I wonder what he is trying to hide.
 Sunday is the time to give the mind a "sunning and an airing" for the week.
 The longer I live, the more I believe that the most numerous things about us are our weaknesses.

HISTORICAL EVENTS

JANUARY

- 1 New Years' Day.
- 1 January 1, 1841—First issue of Prairie Farmer launches campaign for free public schools.
- 2 Bernie Smith, (WLS) birthday.
- 3 80th Congress first session.
- 5 George Washington Carver, negro scientist, born 1864.
- 6 Epiphany.
- 7 Millard Fillmore, U. S. President, born 1800.
- 10 Prairie Farmer describes first gang plow with seat, 1861.
- 11 Russ Salter, (WLS) birthday.
- 11 Michigan becomes territory, 1805.
- 16 Christine, Swiss miss, (WLS) birthday.
- 17 Thrift Day.
- 20 Al Rice, (WLS) birthday.
- 26 Michigan admitted to statehood 1837.
- 23 Indiana approves state bank, 1834.
- 29 Carnation Day.
- 29 William McKinley, U. S. President, born 1843.
- 30 Infantile Paralysis Day.
- 50 Franklin D. Roosevelt, U. S. President, born 1882.
- 31 "Wisconsin" changed to "Wisconsin" 1845.

Power of a Letter

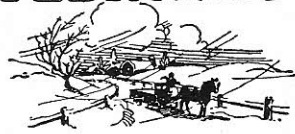
The first slogan adopted by Prairie Farmer, in 1841, was "Farmers Write for Your Paper." The importance of this idea was illustrated by a letter written to the editor of Prairie Farmer in the year 1852. This letter proposed that there should be state colleges and experiment stations to study and teach agriculture and mechanic arts, and that they be supported by land grants.
 By the year 1859, that letter had grown into a bill passed by Congress, calling for the creation of such colleges. It was vetoed by President Buchanan. Passed again, the bill was signed by President Lincoln in 1862. From that beginning we have today all of the great state agricultural colleges and experiment stations which have helped to make American agriculture the greatest in the world.

And it all started with a letter written to the editor.

Iroquois County, Illinois, claims that in 1945, more sweet corn was grown there than in any other county in the world. Iroquois is the only county in the United States bearing that name, taken from the famous Iroquois Indians who suffered one of their few defeats in a dramatic battle along what is now the Iroquois River. Watseka was named after an Indian girl who led her village in battle to defeat the Iroquois.

(Eastern Standard Time)

FEBRUARY



(Central Standard Time)

- ☾ Full Moon
Feb. 5th — 10 50 am
- ☾ Last Quarter
Feb. 12th — 4 58 pm
- ☾ New Moon
Feb. 20th — 9 00 pm
- ☾ First Quarter
Feb. 28th — 4 12 am

- ☾ Full Moon
Feb. 5th — 9 50 am
- ☾ Last Quarter
Feb. 12th — 3 58 pm
- ☾ New Moon
Feb. 20th — 8 00 pm
- ☾ First Quarter
Feb. 28th — 3 12 am

DR. HOLLAND SAYS:

The angels weep when nations prepare for war. In this imperfect world, "perfect people" bore us. Hope that does nothing is a sort of ethereal dope. Luxuries are made sweeter by the memory of days of privation. There is little to live for so long as we are interested merely in ourselves. When a man becomes known as a "good fellow," the world writes a question mark after his checks.

THIS MONTH'S HARVEST—Wheat in upper India; corn, Argentina; oats, Australia; rye, Chile; barley, New Zealand; potatoes, southern Africa; squash, Brazil; beets, turnips, Uruguay.

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

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

Good: 2, 3, 11, 12, 21, 22

Fair: 8, 9, 10, 16, 17, 25, 26, 27

Poor: 1, 6, 7, 13, 14, 15, 28

Bad: 4, 5, 18, 19, 20, 23, 24

DATES AND BEST HOURS FOR FISHING

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

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

Trim grape vines; prune shrubs, fruit trees and shade trees.
Plan a Valentine party and fix a Valentine gift for a shut-in.
Read up on stories of Lincoln and Washington; check the bookshelf for good histories.

Order parts and repair farm machinery.
Order baby chicks; see that the laying flock is well taken care of.
Get the hotbed in shape; plan the garden.
A good time to work in the shop—fix shelves, furniture, garden tools.

HISTORICAL EVENTS FEBRUARY

- 1 Prairie Farmer proposes beet sugar production, 1846.
- 2 Septuagesima Sunday; Groundhog Day.
- 3 Illinois organized as a territory 1809.
- 5 Burrige D. Butler, President of Prairie Farmer-WLS, born.
- 6 LaSalle first sees Mississippi 1682.
- 8 Boy Scout Day.
- 9 Sexagesima Sunday.
- 10 Adele Brandt, (WLS) birthday.
- 11 Daniel Boone, born 1735.
- 11 Josephine Wetzler, (WLS) birthday.
- 12 Lincoln's Birthday.
- 12 Abraham Lincoln, born Hodgenville, Ky., 1809.
- 12 John Brown, (WLS) birthday.
- 14 St. Valentine's Day.
- 15 Cyrus McCormick, born 1809.
- 16 Quinquagesima Sunday.
- 18 Shrove Tuesday.
- 19 Ash Wednesday; Lent begins.
- 22 Washington's Birthday.
- 23 Quadragesima Sunday.
- 22 George Washington, born 1732.
- 23 Cook County Agricultural Society organized at Prairie Farmer office, 1860.

When the Lincoln family lived in DuBois County, Indiana, they often had meal ground at the old Hoffman Mill on the Patoka River, near Jasper. Once when Abraham Lincoln's father was out of grain, he traded a desk for some meal. This desk is now the property of the Jasper Desk factory, largest desk manufacturing center in the world.

Kenosha County, Wisconsin, claims the honor of the first free public school west of the Alleghenies. Kenosha, then known as Southport, petitioned the territorial legislature in 1844 for authority to tax its citizens for a public school. The petition was defeated, but passed a year later, in 1845. When Wisconsin became a state, in 1848, the public school of Kenosha became the model for the state-wide public school system. A campaign for free public schools was started in Illinois by Prairie Farmer in 1841.

At Dixon, Illinois, year 1832, these men all were part of the group assembled to fight in the Black Hawk War: Colonel Zachary Taylor, later the 12th President of the United States; Winfield Scott, a great military general; Robert Anderson, later commander at Fort Sumter when it was fired upon; Jefferson Davis, later President of the Confederacy; and Abraham Lincoln, who became the 16th President of the United States.

Grant County, Wisconsin, claims to produce more pigs than any other county in the state.

(Eastern Standard Time)

- ☾ Full Moon
Mar. 6th — 10 15 pm
- ☾ Last Quarter
Mar. 14th — 1 28 pm
- ☾ New Moon
Mar. 22nd — 11 34 am
- ☾ First Quarter
Mar. 29th — 11 15 am

MARCH



(Central Standard Time)

- ☾ Full Moon
Mar. 6th — 9 15 pm
- ☾ Last Quarter
Mar. 14th — 0 28 pm
- ☾ New Moon
Mar. 22nd — 10 34 am
- ☾ First Quarter
Mar. 29th — 10 15 am

THIS MONTH'S HARVEST—Wheat in parts of India; corn, Tasmania; rice, Argentina; cotton, Peru; flax, Egypt; parsnips, Australia; strawberries, Algeria; oranges and lemons, Cuba.

3rd Month.....31 Days Days Gone.....59 Days Remaining.....306		Lower Illinois, Lower Indiana, Lower Ohio			Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin			Central Michigan, Upper Michigan, Upper Wisconsin				
DM	DW	Moon Sign	Sun Siow	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn
1	Sa	☾	13	6 27	5 58	1 50	6 33	5 53	2 10	6 40	5 46	2 40
∇	Length of day			11h 33m			11h 22m			11h 09m		
∇	Length of night			12h 27m			12h 38m			12h 51m		
2	Su	☾	13	6 26	5 59	2 55	6 32	5 54	3 17	6 38	5 47	3 48
3	Mo	☾	12	6 25	6 00	3 56	6 30	5 55	4 17	6 36	5 48	4 46
4	Tu	☾	12	6 24	6 01	4 50	6 29	5 56	5 08	6 35	5 50	5 34
5	We	☾	12	6 23	6 01	5 37	6 27	5 57	5 52	6 33	5 51	6 12
6	Th	☾	12	6 22	6 02	RisEv	6 26	5 58	RisEv	6 32	5 53	RisEv
7	Fr	☾	11	6 21	6 03	6 48	6 24	5 59	6 44	6 30	5 54	6 39
8	Sa	☾	11	6 20	6 04	7 49	6 23	6 00	7 50	6 28	5 55	7 51
∇	Length of day			11h 45m			11h 40m			11h 31m		
∇	Length of night			12h 15m			12h 20m			12h 29m		
9	Su	☾	11	6 19	6 04	8 48	6 21	6 01	8 54	6 26	5 57	9 01
10	Mo	☾	11	6 17	6 05	9 47	6 20	6 01	9 57	6 24	5 58	10 11
11	Tu	☾	10	6 16	6 05	10 45	6 18	6 02	10 59	6 22	6 00	11 18
12	We	☾	10	6 15	6 06	11 43	6 17	6 03	11 59	6 20	6 01	Morn
13	Th	☾	10	6 14	6 07	Morn	6 16	6 04	Morn	6 18	6 02	0 23
14	Fr	☾	10	6 13	6 07	0 38	6 14	6 05	0 58	6 16	6 03	1 26
15	Sa	☾	9	6 11	6 08	1 33	6 13	6 06	1 54	6 15	6 05	2 25
∇	Length of day			11h 59m			11h 56m			11h 53m		
∇	Length of night			12h 01m			12h 04m			12h 07m		
16	Su	☾	9	6 10	6 09	2 25	6 11	6 07	2 46	6 13	6 06	3 17
17	Mo	☾	9	6 09	6 09	3 12	6 10	6 08	3 33	6 11	6 07	4 02
18	Tu	☾	9	6 08	6 10	3 56	6 09	6 09	4 15	6 09	6 08	4 41
19	We	☾	8	6 07	6 10	4 35	6 07	6 10	4 51	6 07	6 10	5 13
20	Th	☾	8	6 05	6 11	5 11	6 06	6 10	5 23	6 06	6 11	5 40
21	Fr	☾	8	6 04	6 12	5 45	6 04	6 11	5 53	6 04	6 13	6 04
22	Sa	☾	7	6 03	6 12	SetEv	6 03	6 12	SetEv	6 02	6 14	SetEv
∇	Length of day			12h 11m			12h 12m			12h 15m		
∇	Length of night			11h 49m			11h 48m			11h 45m		
23	Su	☾	7	6 02	6 13	7 23	6 01	6 13	7 26	6 00	6 15	7 30
24	Mo	☾	7	6 01	6 13	8 25	6 00	6 14	8 33	5 58	6 16	8 44
25	Tu	☾	6	5 59	6 14	9 30	5 58	6 15	9 43	5 56	6 18	9 59
26	We	☾	6	5 58	6 14	10 36	5 57	6 16	10 53	5 54	6 19	11 16
27	Th	☾	6	5 57	6 15	11 44	5 55	6 17	Morn	5 52	6 20	Morn
28	Fr	☾	6	5 56	6 16	Morn	5 53	6 18	0 03	5 50	6 21	0 32
29	Sa	☾	5	5 55	6 16	0 49	5 52	6 19	1 11	5 48	6 22	1 42
∇	Length of day			12h 44m			12h 29m			12h 37m		
∇	Length of night			11h 16m			11h 31m			11h 23m		
30	Su	☾	5	5 53	6 17	1 51	5 50	6 19	2 12	5 47	6 24	2 43
31	Mo	☾	5	5 52	6 17	2 45	5 49	6 20	3 05	5 45	6 25	3 33

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.
 Good: 2, 3, 10, 11, 12, 20, 21, 29, 30
 Fair: 8, 9, 15, 16, 17, 25, 26
 Poor: 1, 6, 7, 13, 14, 27, 28
 Bad: 4, 5, 18, 19, 22, 23, 24, 31

DATES AND BEST HOURS FOR FISHING

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

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

- Sow grass seed; apply fertilizer to yard and garden.
- Start the spring house cleaning.
- Clean the yard on the first spring day.
- Paint the mail box and put your name on it.
- Eat a raw vegetable salad every day.
- Ask the neighbors over for an evening of fun. Make sure the children have plenty rain clothes for spring weather.
- Set out new shrubs; plan the flower beds.
- Build birdhouses and put them up.
- Clean the cellar and take down storm windows.

DR. HOLLAND SAYS:

Friendship is the art of Living and Giving.
 A hardened conscience is any man's worst possession.
 Love helps to hush the annoys in this noisy world.
 A gloomy mind is like an owl: uncomfortable in sunlight.
 A man is never farther from wrong than when he feels that God is nigh.
 If I were God I think I should rather hear a little child sing than to endure a million stiff and formal Hallelujahs.

**HISTORICAL EVENTS
MARCH**

- 1 Prairie Farmer shows design for a new Prairie plow, 1842.
- 1 St. David.
- 2 Arkie, (WLS) birthday.
- 3 Russell Park, (WLS) birthday.
- 4 Federal Government Day.
- 9 Indiana government signs trespass law sponsored by Prairie Farmer Protective Union, 1939.
- 16 James Madison, 4th President, born 1751.
- 16 Mid-Lent Sunday.
- 17 Iowa State Ag College dedicated, 1869.
- 17 St. Patrick's Day.
- 19 Bob Nelson, (WLS) birthday.
- 23 Passion Sunday.
- 25 Annunciation Day.
- 23 Grange organized in Indiana, 1869.
- 29 John Tyler, 10th President, born 1790.
- 30 Palm Sunday.

Posey County, Indiana, named after General Thomas Posey, third governor of Indiana, was called the "pocket county" because it is fitted snugly between the Wabash River and the Ohio River. For this reason also, a row-boat is standard equipment for many farms of the county. The town of New Harmony, on the Wabash, was founded in the year 1815 as Harmonie by the Rappites, a religious group from Wurtemberg, Germany. In ten years they cleared thousands of acres of land, and built houses of brick and stone that were the wonder of the frontier. The name New Harmony was given to the town in 1826 by a group which included leaders in science and education. Claimed for Posey County, the first free public library, the first free kindergarten, the first woman's club with a written constitution, and a Workingman's Institute. Also, New Harmony is the home of the Golden Rain Tree, brought from China.

In 1848, Charles Dadant arrived in Hancock County, Illinois from France, bringing along several swarms of bees. The family was later to become world famous in the bee and honey business. Dadant knew that sweet clover was a valuable honey plant in France, but in Illinois it was still considered a bad weed. So secretly, at night, he went along the roads, scattering sweet clover seed to grow pasturage for his bees. In the three-quarters of a century since, the value of sweet clover has been recognized.

The number of cultivator shovels made at Canton, Fulton County, Illinois, each year would cultivate a field of corn 700 miles wide at one crossing.

(Eastern Standard Time)

- ☾ Full Moon
April 5th — 10 28 am
- ☾ Last Quarter
April 13th — 9 23 am
- ☾ New Moon
April 20th — 11 19 pm
- ☾ First Quarter
April 27th — 5 18 pm

APRIL



(Central Standard Time)

- ☾ Full Moon
April 5th — 9 28 am
- ☾ Last Quarter
April 13th — 8 23 am
- ☾ New Moon
April 20th — 10 19 pm
- ☾ First Quarter
April 27th — 4 18 pm

THIS MONTH'S HARVEST—Wheat in Mexico; oats, Egypt; corn, Tasmania; cotton, Brazil; oranges, Central America; apples, New Zealand; radishes, lettuce, Cuba; yams, Samoan Islands.

4th Month.....30 Days Days Gone.....90 Days Remaining.....275				Lower Illinois, Lower Indiana, Lower Ohio			Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin			Central Michigan, Upper Michigan, Upper Wisconsin		
DM	DW	Moon Sign	Sun Slow	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn
1	Tu	☾	4	5 51	6 18	3 34	5 47	6 21	3 50	5 43	6 26	4 13
2	We	☾	4	5 50	6 19	4 15	5 46	6 22	4 28	5 41	6 27	4 45
3	Th	☾	4	5 49	6 19	4 52	5 44	6 23	5 00	5 39	6 29	5 11
4	Fr	☾	3	5 47	6 20	5 26	5 43	6 24	5 29	5 38	6 30	5 33
5	Sa	☾	3	5 46	6 20	RisEv	5 41	6 25	Ris-Ev	5 36	6 32	RisEv
Length of day				12h 36m 11h 24m			12h 46m 11h 14m			12h 59m 11h 01m		
6	Su	☾	3	5 45	6 21	7 33	5 40	6 26	7 41	5 34	6 33	7 51
7	Mo	☾	3	5 44	6 22	8 32	5 39	6 27	8 44	5 32	6 34	9 00
8	Tu	☾	2	5 43	6 22	9 30	5 37	6 28	9 46	5 30	6 35	10 08
9	We	☾	2	5 41	6 23	10 28	5 36	6 28	10 46	5 28	6 37	11 13
10	Th	☾	2	5 40	6 23	11 23	5 34	6 29	11 44	5 26	6 38	Morn
11	Fr	☾	1	5 39	6 24	Morn	5 33	6 30	Morn	5 24	6 39	0 14
12	Sa	☾	1	5 38	6 25	0 16	5 32	6 31	0 38	5 22	6 40	1 10
Length of day				12h 48m 11h 00m			13h 02m 10h 58m			13h 20m 10h 40m		
13	Su	☾	1	5 37	6 25	1 06	5 30	6 32	1 27	5 21	6 41	1 59
14	Mo	☾	1	5 35	6 26	1 51	5 29	6 32	2 10	5 19	6 43	2 39
15	Tu	☾	0	5 34	6 26	2 32	5 27	6 33	2 49	5 18	6 44	3 13
16	We	☾	0	5 33	6 27	3 08	5 26	6 34	3 22	5 16	6 45	3 41
17	Th	☾	Fast	5 32	6 28	3 43	5 25	6 35	3 52	5 14	6 46	4 06
18	Fr	☾	0	5 31	6 28	4 15	5 23	6 36	4 20	5 12	6 48	4 28
19	Sa	☾	1	5 30	6 29	4 46	5 22	6 37	4 48	5 11	6 49	4 49
Length of day				13h 18m 10h 42m			13h 18m 10h 42m			13h 42m 10h 18m		
20	Su	☾	1	5 29	6 29	SetEv	5 20	6 38	SetEv	5 09	6 51	SetEv
21	Mo	☾	1	5 28	6 30	7 15	5 19	6 39	7 26	5 07	6 52	7 40
22	Tu	☾	1	5 27	6 31	8 23	5 18	6 40	8 38	5 05	6 53	9 00
23	We	☾	1	5 26	6 31	9 33	5 17	6 41	9 52	5 04	6 54	10 19
24	Th	☾	2	5 25	6 32	10 42	5 15	6 41	11 03	5 02	6 56	11 33
25	Fr	☾	2	5 24	6 32	11 45	5 14	6 42	Morn	5 01	6 57	Morn
26	Sa	☾	2	5 23	6 33	Morn	5 13	6 43	0 08	4 59	6 58	0 39
Length of day				13h 12m 10h 48m			13h 32m 10h 28m			14h 02m 9h 58m		
27	Su	☾	2	5 22	6 34	0 44	5 12	6 44	1 04	4 57	6 59	1 33
28	Mo	☾	2	5 21	6 35	1 33	5 11	6 45	1 51	4 56	7 00	2 15
29	Tu	☾	3	5 20	6 35	2 16	5 09	6 46	2 30	4 54	7 02	2 49
30	We	☾	3	5 19	6 36	2 54	5 08	6 47	3 02	4 53	7 03	3 16

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

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

DATES AND BEST HOURS FOR FISHING

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

Night fishing—Mediocre, 5 and 6; Excellent, 7 and 8.
 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 APRIL

- Get the pressure cooker gauge checked for accuracy.
- Clean and store the winter clothing you will not wear in the days ahead.
- Plant potatoes and early vegetables in the garden.
- Paint a flower pot for a gay kitchen spot.
- Plant flower seeds and set bulbs.
- Remove part of the mulch from the strawberries and perennials.
- Set out new strawberry plants.
- Spray fruit trees and shrubs.

DR. HOLLAND SAYS:

All Truth is the Voice of God.
 Noble purposes are contagious.
 Prayer is a method of letting Light into the Mind.
 Few of us have brains enough to give orders to our desires.
 You may have some reason to scold, but it is unreasonable to do it.
 The thinker may be bewitched by thought, but the unthinking prefer to be thrillfully entertained.

**HISTORICAL EVENTS
 APRIL**

- 1 All Fool's Day.
- 3 Maundy Thursday.
- 4 Good Friday.
- 5 First Day Jewish Passover.
- 6 Easter Sunday; Army Day.
- 10 Grace Wilson, (WLS) birthday.
- 12 WLS first broadcast, 1924.
- 12 Franklin D. Roosevelt died, 1945.
- 13 Thomas Jefferson, 3rd President, born 1743.
- 14 Present American flag adopted, 1818.
- 20 First Catholic mass in Wisconsin, 1670.
- 23 St. George.
- 23 James Buchanan, 15th President, born 1791.
- 25 St. Mark.
- 27 Ulysses S. Grant, 18th President, born 1822.
- 27 Reggie Cross, (WLS) birthday.
- 27 Ervin Lewis, (WLS) birthday.

Oldest county court house in Wisconsin is at Dodgeville, Iowa County. It was built in 1859, of native limestone. Dodgeville was named for Henry Dodge, first territorial governor, who came to Wisconsin in 1827 with a group of miners from Galena, Illinois. Dodge, who always wore a bowie knife on his belt, became one of the outstanding public men of the territory. Important early settlements centered around Mineral Point, where lead miners came in from Southern and Central Illinois. Some of them went back home in the fall, and were called "suckers" like the fish that went upstream in spring. Others, who stayed in Wisconsin for the winter, making dugout homes in the hillsides, were called "badgers." It was from this that Wisconsin people came to be known as "Badgers," and Illinois people as "Suckers."

Kent County, Michigan, was the first county in the U. S. to have county wide fire protection service. Fifteen townships were incorporated into five fire protection districts, each equipped with high pressure apparatus. Ten cruising deputy sheriff's cars, equipped with two-way radios, receive all rural alarms and quickly get to a fire. The radio is used to report conditions, or to call additional help. It was in this county that the emergency use of orchard sprayers at a fire, led to the discovery of fog for fire fighting. During the war, fog equipment was used extensively in the navy.

From 1821 until 1825, Fulton County, Illinois, included the entire area of Northern Illinois, and Lewiston was the seat of county government. Such items as marriage licenses required a trip to Lewiston. At that time Chicago was a very small settlement around Fort Dearborn.

(Eastern Standard Time)

- ☾ Full Moon
May 4th — 11 53 pm
- ☾ Last Quarter
May 13th — 3 08 am
- ☾ New Moon
May 20th — 8 44 am
- ☾ First Quarter
May 26th — 11 35 pm



(Central Standard Time)

- ☾ Full Moon
May 4th — 10 53 pm
- ☾ Last Quarter
May 13th — 2 08 am
- ☾ New Moon
May 20th — 7 44 am
- ☾ First Quarter
May 26th — 10 35 pm

THIS MONTH'S HARVEST—Wheat in Lower Egypt; oats, Mexico; rye, Syria; rice, Ceylon; forage crops, Holy Land; cotton, southwest Africa; strawberries, Italy; apples, Australia.

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

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

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

DATES AND BEST HOURS FOR FISHING

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

Attend school commencement programs. And don't forget a word of appreciation to the teacher. Remember Mother's and Father's days, this month. Plant the remainder of the garden.

Get the lawn mower started; and keep those first weeds down. Take the children to the woods to see the wild flowers. Wash and store unnecessary bedding. Set aside plenty of canning supplies.

DR. HOLLAND SAYS:

Love given as a Duty rarely sticks. Patience is the perfection of both Art and Heart. Life is as a candle: when it is burned out, we put away the holder. The man of Faith will always find a spot of rest in this restless world. Suffering burns from our hearts the kindling wood and leaves the anthracite in our souls glowing. The art of living is to so act as that our higher selves will not blush at what our lower selves do.

HISTORICAL EVENTS
MAY

- 1 May Day.
- 1 Prairie Farmer announces success of steam plowing, 1860.
- 4 Second state convention to make Iowa a state, 1846.
- 6 First locomotive in Middle West on rails at Meredosia, Ill., 1838.
- 8 Harry S. Truman, 33rd President, born 1884.
- 8 Dr. Holland, (WLS) birthday.
- 10 Iowa becomes Spanish territory, 1770.
- 11 Mother's Day; Rogation Sunday.
- 11 First newspaper in Iowa, 1836.
- 11 Chick Hurt, (WLS) birthday.
- 15 Ascension Day.
- 18 American Citizen Day.
- 18 Hal O'Halloran, (WLS) birthday.
- 24 Poppy Day.
- 24 Prairie Farmer reports nomination of Abraham Lincoln, 1860.
- 25 Whitsunday; First Day Jewish Pentecost.
- 27 First election in Allen County, Indiana, 1824.
- 29 Wisconsin admitted to statehood, 1848.
- 30 Memorial Day.
- 31 Flood at Johnstown, Pa., drowned 2,205 people, 1889.

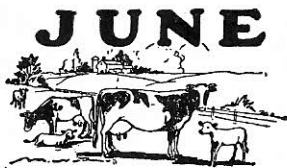
The first telegraph lines in the middle west, in the early 1850's, consisted of a single iron wire held up on rough poles. One of the severe problems was caused by the passenger pigeons. These birds, now extinct, then travelled in flocks so great that they darkened the sun. They were somewhat larger than domestic pigeons, and when a flock would settle on the telegraph wire, it always broke. Oliver H. Kelley, father of the National Grange, was a telegraph operator at Muscatine, Iowa, which was then known as Bloomington.

In the year 1841, when hogs were selling at 1 cent a pound, homes used candles or whale oil lamps for light. There was no kerosene, for the first oil well had not yet been drilled, and of course there was no electricity. About that time a process was devised, as reported in early issues of Prairie Farmer, for extracting lard oil suitable for the crude lamps of that period. There was left a firm wax that could be made into candles. Thus lard was a lively competitor of whale oil, and for a number of years the hog was referred to as "the land whale." Incidentally the price of hogs went up to four and five cents a pound.

In Brown County, Indiana, there are two jails located in Nashville, county seat, but people pay 10 cents to get into one of them. It is the old log jail, one of the historic relics of the county.

(Eastern Standard Time)

- ☉ Full Moon
June 3rd — 2 27 pm
- ☾ Last Quarter
June 11th — 5 58 pm
- ☾ New Moon
June 18th — 4 26 pm
- ☽ First Quarter
June 25th — 7 25 am



(Central Standard Time)

- ☉ Full Moon
June 3rd — 1 27 pm
- ☾ Last Quarter
June 11th — 4 58 pm
- ☾ New Moon
June 18th — 3 26 pm
- ☽ First Quarter
June 25th — 6 25 am

DR. HOLLAND SAYS:

Learn to temper your temperament. A restless heart knows no short-days.

The more the years speed away, the faster they go.

The pioneers lived upon days and hours: we live upon split seconds.

A bad habit is a strong thong twisted from the strands of little weaknesses.

As long as we measure success by dollars we shall overlook most of humanity's greatest successes.

HISTORICAL EVENTS

JUNE

- 1 Trinity Sunday.
- 1 State of Illinois pays bounty of \$1 for every 10 pounds of silkworm cocoons, 1841.
- 1 Martha Crane, (WLS) birthday.
- 5 Corpus Christi.
- 6 Illinois governor signs new trespass law sponsored by Prairie Farmer Protective Union, 1939.
- 7 Indianapolis chosen site for capital of Indiana, 1820.
- 8 Andrew Jackson, 7th President, died 1845.
- 10 Rusty Gill, (WLS) birthday.
- 11 Arthur Page and Inez Reeder married, 1913.
- 14 Flag Day.
- 15 James K. Polk, 11th President, died 1849.
- 24 Midsummer Day.
- 24 Grover Cleveland, 22nd President, died 1908.
- 26 Chicago's first telephone exchange with 75 customers, 1878.
- 28 James Madison, 4th President, died 1836.

One of the great early highways of the middle west was the "Vincennes Trace" from Vincennes, Indiana to St. Louis. There was no four-wheeled wagon on this road until the year 1795. There were some two-wheeled carts, and some "horse barrows" which were really crude wheel barrows with a horse to do the pulling while a man plodded along behind holding the handles. Where several men had only one horse, it was customary to "ride and tie," one man riding ahead, tying the horse and walking on, while the man walking behind would catch up with the horse, ride ahead awhile, then dismount, tie, and walk on, leaving the horse for the other man. They would keep this up all day.

Illinois today has thousands of miles of paved highways. The great period of highway improvement started with the passage of the famous "Sixty Million Dollar Bond Issue" in the year 1917.

The first American locomotive drawn train made its initial run in the year 1829 over a few miles of track near Philadelphia. The first railroad in Illinois was the Northern Cross, from Meredosia on the Illinois River, to Jacksonville. It was started in 1837, and the first locomotive was placed on the rails brought in by river steamer May 6, 1838. It was a small wood-burning engine, and sometimes when it wouldn't run, the train was pulled by mule teams. By the year 1840 there were only 80 miles of railroad in the middle west, and there was not a mile west of the Mississippi until after 1850.

THIS MONTH'S HARVEST—Wheat in Turkey, Greece; corn, Syria; oats, Italy; rye, Persia; rice, Burma; buckwheat, Egypt; clover, southern Europe; cotton, Madras; blackberries, Germany.

6th Month.....30 Days Days Gone.....151 Days Remaining.....214		Lower Illinois, Lower Indiana, Lower Ohio			Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin			Upper Michigan, Upper Wisconsin				
DM	DW	Moon Sign	Sun Fast	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn
Length of day				13h 56m			14h 32m			15h 21m		
Length of night				10h 04m			9h 28m			8h 39m		
1	Su	☉	2	5 00	6 56	3 33	4 42	7 14	3 23	4 17	7 38	3 09
2	Mo	☾	2	5 00	6 56	4 07	4 41	7 14	3 53	4 17	7 39	3 33
3	Tu	☾	2	4 59	6 57	RisEv	4 41	7 15	RisEv	4 16	7 40	RisEv
4	We	☾	2	4 59	6 57	8 01	4 40	7 15	8 22	4 16	7 41	8 54
5	Th	☾	2	4 59	6 58	8 54	4 40	7 16	9 16	4 15	7 42	9 48
6	Fr	☾	2	4 59	6 58	9 42	4 40	7 17	10 04	4 15	7 43	10 34
7	Sa	☾	2	4 59	6 59	10 26	4 40	7 17	10 45	4 14	7 43	11 13
Length of day				14h 01m			14h 39m			15h 30m		
Length of night				9h 59m			9h 21m			8h 30m		
8	Su	☉	1	4 58	6 59	11 05	4 39	7 18	11 22	4 14	7 44	11 45
9	Mo	☾	1	4 58	7 00	11 40	4 39	7 18	11 53	4 13	7 44	Morn
10	Tu	☾	1	4 58	7 00	Morn	4 39	7 19	Morn	4 13	7 45	0 11
11	We	☾	1	4 58	7 00	0 12	4 39	7 19	0 22	4 13	7 46	0 34
12	Th	☾	1	4 58	7 01	0 42	4 39	7 20	0 48	4 13	7 46	0 55
13	Fr	☾	0	4 58	7 01	1 13	4 39	7 20	1 13	4 12	7 47	1 15
14	Sa	☾	0	4 58	7 02	1 44	4 39	7 21	1 40	4 12	7 47	1 36
Length of day				14h 04m			14h 42m			15h 36m		
Length of night				9h 56m			9h 18m			8h 24m		
15	Su	☉	Slow	4 58	7 02	2 17	4 39	7 21	2 09	4 12	7 48	1 58
16	Mo	☾	0	4 58	7 02	2 55	4 39	7 21	2 42	4 12	7 48	2 25
17	Tu	☾	0	4 58	7 03	3 38	4 39	7 22	3 22	4 12	7 49	2 59
18	We	☾	1	4 59	7 03	SetEv	4 40	7 22	SetEv	4 13	7 49	SetEv
19	Th	☾	1	4 59	7 04	8 19	4 40	7 23	8 41	4 13	7 50	9 12
20	Fr	☾	1	4 59	7 04	9 19	4 40	7 23	9 39	4 13	7 50	10 07
21	Sa	☾	1	4 59	7 04	10 10	4 40	7 23	10 27	4 13	7 50	10 50
Length of day				14h 05m			14h 43m			15h 37m		
Length of night				9h 55m			9h 17m			8h 23m		
22	Su	☉	2	4 59	7 04	10 53	4 40	7 23	11 06	4 13	7 50	11 23
23	Mo	☾	2	5 00	7 04	11 31	4 41	7 24	11 38	4 14	7 50	11 49
24	Tu	☾	2	5 00	7 04	Morn	4 41	7 24	Morn	4 14	7 50	Morn
25	We	☾	2	5 00	7 04	0 04	4 41	7 24	0 07	4 14	7 50	0 11
26	Th	☾	2	5 00	7 04	0 35	4 41	7 24	0 33	4 14	7 50	0 32
27	Fr	☾	3	5 00	7 04	1 05	4 41	7 24	1 00	4 15	7 50	0 52
28	Sa	☾	3	5 01	7 05	1 36	4 42	7 24	1 27	4 15	7 50	1 14
Length of day				14h 04m			14h 42m			15h 34m		
Length of night				9h 56m			9h 18m			8h 26m		
29	Su	☉	3	5 01	7 05	2 08	4 42	7 24	1 55	4 16	7 50	1 37
30	Mo	☾	3	5 01	7 05	2 44	4 42	7 24	2 27	4 16	7 50	2 04

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

Good: 1, 2, 10, 11, 19, 20, 27, 28, 29

Poor: 3, 4, 17, 18, 23, 24, 30

Fair: 5, 6, 7, 15, 16, 25, 26

Bad: 8, 9, 12, 13, 14, 21, 22

DATES AND BEST HOURS FOR FISHING

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

Poor fishing—3 and 4.

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

Plant late vegetables.
Encourage 4-H Club projects and help with meetings.
Get plenty of sunshine for good health.
Take the children on a fishing trip.
Keep after those garden weeds.

Fix poles for the beans.
Plan a picnic for the neighbors.
Can early fruit and put some in the cold storage locker.
Keep cut flower bouquets in the house.
Try one of the chemical weed killers.

(Eastern Standard Time)

- ☾ Full Moon
July 3rd — 5 38 am
- ☾ Last Quarter
July 11th — 5 54 am
- ☾ New Moon
July 17th — 11 15 pm
- ☾ First Quarter
July 24th — 5 54 pm

JULY



(Central Standard Time)

- ☾ Full Moon
July 3rd — 4 38 am
- ☾ Last Quarter
July 11th — 4 54 am
- ☾ New Moon
July 17th — 10 15 pm
- ☾ First Quarter
July 24th — 4 54 pm

THIS MONTH'S HARVEST—Wheat in Siberia; oats, Switzerland; rye, Germany; barley, Holland; rice, Formosa; cotton, India; flax, Czechoslovakia; wool, Norway, Sweden; grapes, France.

7th Month—31 Days		Lower Illinois, Lower Indiana, Lower Ohio			Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin			Central Michigan, Upper Michigan, Upper Wisconsin				
Days Gone—181 Days Remaining—184		Sun			Sun			Sun				
DM	DW	Moon Sign	Sun Slow	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn	Rise Morn	Set Eve	Moon Set Morn
1	Tu	☾	3	5 01	7 05	3 24	4 43	7 24	3 05	4 17	7 50	2 37
2	We	☾	4	5 02	7 05	4 09	4 43	7 24	3 47	4 17	7 50	3 17
3	Th	☾	4	5 02	7 05	RisEv	4 44	7 24	RisEv	4 18	7 50	RisEv
4	Fr	☾	4	5 03	7 05	8 25	4 44	7 24	8 44	4 18	7 50	9 12
5	Sa	☾	4	5 03	7 05	9 05	4 45	7 24	9 22	4 19	7 50	9 46
↓	Length of day		14h 01m			14h 39m			15h 30m			
↓	Length of night		9h 59m			9h 21m			8h 30m			
6	Su	☾	4	5 04	7 05	9 41	4 45	7 24	9 55	4 20	7 50	10 14
7	Mo	☾	5	5 04	7 05	10 13	4 46	7 23	10 24	4 20	7 49	10 38
8	Tu	☾	5	5 05	7 04	10 44	4 46	7 23	10 50	4 21	7 49	10 59
9	We	☾	5	5 05	7 04	11 13	4 47	7 22	11 15	4 21	7 48	11 19
10	Th	☾	5	5 06	7 04	11 42	4 47	7 22	11 41	4 22	7 48	11 38
11	Fr	☾	5	5 06	7 04	Morn	4 48	7 22	Morn	4 23	7 47	Morn
12	Sa	☾	5	5 07	7 04	0 14	4 49	7 21	0 08	4 24	7 47	0 00
↓	Length of day		13h 56m			14h 32m			15h 22m			
↓	Length of night		10h 04m			9h 28m			8h 38m			
13	Su	☾	5	5 07	7 03	0 49	4 49	7 21	0 38	4 24	7 46	0 24
14	Mo	☾	6	5 08	7 03	1 28	4 50	7 20	1 13	4 25	7 46	0 53
15	Tu	☾	6	5 08	7 03	2 14	4 51	7 20	1 56	4 25	7 45	1 30
16	We	☾	6	5 09	7 03	3 10	4 52	7 19	2 49	4 27	7 44	2 18
17	Th	☾	6	5 09	7 02	SetEv	4 52	7 19	SetEv	4 28	7 43	SetEv
18	Fr	☾	6	5 10	7 02	7 57	4 53	7 18	8 16	4 29	7 43	8 41
19	Sa	☾	6	5 10	7 01	8 46	4 53	7 18	9 00	4 30	7 42	9 19
↓	Length of day		13h 50m			14h 23m			15h 10m			
↓	Length of night		10h 10m			9h 37m			8h 50m			
20	Su	☾	6	5 11	7 01	9 26	4 54	7 17	9 36	4 31	7 41	9 49
21	Mo	☾	6	5 12	7 00	10 02	4 55	7 16	10 07	4 32	7 40	10 14
22	Tu	☾	6	5 12	7 00	10 35	4 56	7 16	10 36	4 33	7 39	10 36
23	We	☾	6	5 13	6 59	11 06	4 56	7 15	11 02	4 34	7 38	10 57
24	Th	☾	6	5 13	6 59	11 37	4 57	7 15	11 29	4 35	7 37	11 18
25	Fr	☾	6	5 14	6 58	Morn	4 58	7 14	11 57	4 36	7 36	11 41
26	Sa	☾	6	5 15	6 57	0 09	4 59	7 13	Morn	4 37	7 35	Morn
↓	Length of day		13h 42m			14h 12m			14h 56m			
↓	Length of night		10h 18m			9h 48m			9h 04m			
27	Su	☾	6	5 15	6 57	0 45	5 00	7 12	0 28	4 38	7 34	0 07
28	Mo	☾	6	5 16	6 56	1 23	5 00	7 12	1 04	4 40	7 32	0 38
29	Tu	☾	6	5 16	6 56	2 06	5 01	7 11	1 45	4 41	7 31	1 15
30	We	☾	6	5 17	6 55	2 54	5 02	7 10	2 32	4 42	7 30	2 00
31	Th	☾	6	5 18	6 54	3 45	5 03	7 09	3 24	4 43	7 29	2 52

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

Good: 7, 8, 9, 16, 17, 25, 26 Poor: 1, 14, 15, 20, 21, 27, 28, 29

Fair: 2, 3, 4, 12, 13, 22, 23, 24, 30, 31 Bad: 5, 6, 10, 11, 18, 19

DATES AND BEST HOURS FOR FISHING

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

Night fishing—Good, 18.
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

Plan something special for the Fourth of July.	Eat some of the early sweet corn.
Plant late vegetables in the garden.	Wash curtains one room at a time.
Check the woolens for moths.	Weed the strawberries.
Can fruit and vegetables.	Write a letter to a friend.
Have some fried chicken and put some in the quick-freeze locker.	Plan a picnic supper at the lake.
	Take some pictures.

DR. HOLLAND SAYS:

A man's tower of strength is often right beside the pit of his weakness. Don't dwell upon "blue days"; they are merely troughs between the brighter ones. No matter how radical our heads may be, our hearts at last make us conservatives. There may be prettiness without brains, but beauty is the radiance of good thoughts. A horse race may be "called back" for a better start, but not the human race; we start ONCE.

HISTORICAL EVENTS

- JULY
- 2 President Lincoln signs land-grant college bill, first proposed in Prairie Farmer, 1862.
 - 4 Independence Day.
 - 8 Union Agricultural Society, first Illinois farm organization, at Prairie Farmer office, 1840.
 - 9 Zachary Taylor, 12th President, died 1850.
 - 11 John Quincy Adams, 6th President, born 1767.
 - 14 Original American flag, 1777.
 - 14 Howard Peterson, (WLS) birthday.
 - 15 St. Swithin's Day.
 - 16 John S. Wright, founder of Prairie Farmer, born in 1815.
 - 18 Lewis and Clark expedition reaches Iowa, 1804.
 - 23 U. S. Grant, 18th President, died 1885.
 - 24 Red Blanchard, (WLS) birthday.
 - 24 Martin Van Buren, 8th President, died 1862.
 - 27 First exhibition of telegraph, 1847.
 - 27 Ozzie Wesley, (WLS) birthday.
 - 31 Andrew Johnson, 17th President, died 1875.

All shoes referred to in Bible times were sandals, some woven of reeds and grass, some later made of leather. Moccasins and other footwear covering the entire foot were products of the colder countries. For centuries, more attention was given to vanity in appearance than to fit. Even plain shoes did not fit well, the left and right being made exactly the same. One of the great favors one might do for a friend was to wear his new shoes and "break them in."

In Queen Elizabeth's time in England, there was a fashion for wearing ridiculous shoes with a long pointed toe that was tied up to the knee. Laws were passed prohibiting this impractical fashion. It was followed by excessively broad or "duckbill" shoes until laws were enacted limiting the maximum width to 5½ inches. Until the year 1850, shoes were all made by hand. The invention of the sewing machine by Elias Howe, led to a whole new era in shoe production. Today the United States is producing the finest and the best fitting shoes ever made in the world.

In the entire country there were only 25,000 tractors on farms in the year 1915. Farmers were interested in looking them over, so Prairie Farmer, co-operating with the University of Illinois, in that year staged the "World's Greatest Tractor Demonstration" at Champaign, Illinois. Sixty tractors, representing practically every type then made, were put through their paces before many thousands of farmers.

The word "tractor" was first used in the year 1906, replacing the cumbersome "gasoline traction engine."

(Eastern Standard Time)

- ☉ Full Moon
Aug. 1st — 8 50 pm
- ☾ Last Quarter
Aug. 9th — 3 22 pm
- ☾ New Moon
Aug. 16th — 6 12 am
- ☽ First Quarter
Aug. 23rd — 7 40 am
- ☽ Full Moon
Aug. 31st — 11 34 am

AUGUST



(Central Standard Time)

- ☉ Full Moon
Aug. 1st — 7 50 pm
- ☾ Last Quarter
Aug. 9th — 2 22 pm
- ☾ New Moon
Aug. 16th — 5 12 am
- ☽ First Quarter
Aug. 23rd — 6 40 am
- ☽ Full Moon
Aug. 31st — 10 34 am

DR. HOLLAND SAYS:

Horse sense still seems to be monopolized by the horses.

Christmas is coming—but why wait that long to be generous?

Make your mind an art gallery and hang it full of beautiful thoughts.

Good disposition is more nearly like sunshine than anything I can think of.

Adjust yourself so to the inevitable that its coming will not surprise you.

If you hanker to beat the other man at his own game, you are still a "sucker."

THIS MONTH'S HARVEST—Wheat in Norway; corn, Hawaiian Islands; oats, Ireland; rye, Scotland; barley, Belgium; buckwheat, Germany; flax, Netherlands; apples, Italy; cherries, Sweden.

8th Month.....31 Days Days Gone.....212 Days Remaining.....153		Lower Illinois, Lower Indiana, Lower Ohio			Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin			Central Michigan, Upper Michigan, Upper Wisconsin				
DM	DW	Moon Sign	Sun Slow	Rise Morn	Set Eve	Moon Rise Eve	Rise Morn	Set Eve	Moon Rise Eve	Rise Morn	Set Eve	Moon Rise Eve
1	Fr	☾	6	5 18	6 54	7 04	5 04	7 08	7 22	4 44	7 28	7 48
2	Sa	☾	6	5 19	6 53	7 42	5 04	7 07	7 57	4 45	7 26	8 18
∇	Length of day			13h 34m			14h 01m			14h 39m		
∇	Length of night			10h 26m			9h 59m			9h 21m		
3	Su	☽	6	5 19	6 53	8 16	5 05	7 06	8 28	4 46	7 25	8 44
4	Mo	☽	6	5 20	6 52	8 47	5 06	7 05	8 42	4 47	7 24	9 05
5	Tu	☽	6	5 21	6 51	9 16	5 07	7 04	9 20	4 48	7 23	9 25
6	We	☽	6	5 21	6 50	9 45	5 08	7 03	9 44	4 49	7 21	9 44
7	Th	☽	6	5 22	6 50	10 15	5 08	7 02	10 11	4 51	7 20	10 04
8	Fr	☽	6	5 22	6 49	10 47	5 09	7 01	10 38	4 52	7 18	10 26
9	Sa	☽	6	5 23	6 48	11 23	5 10	7 00	11 10	4 53	7 17	10 52
∇	Length of day			13h 23m			13h 48m			14h 22m		
∇	Length of night			10h 37m			10h 12m			9h 38m		
10	Su	☽	5	5 24	6 47	Morn	5 11	6 59	11 48	4 54	7 16	11 24
11	Mo	☽	5	5 24	6 46	0 05	5 12	6 58	Morn	4 55	7 14	Morn
12	Tu	☽	5	5 25	6 45	0 55	5 12	6 57	0 35	4 57	7 13	0 06
13	We	☽	5	5 25	6 44	1 54	5 13	6 56	1 32	4 58	7 11	1 00
14	Th	☽	5	5 26	6 43	3 01	5 14	6 55	2 38	4 59	7 10	2 08
15	Fr	☽	5	5 27	6 42	4 12	5 15	6 54	3 56	5 00	7 08	3 26
16	Sa	☽	4	5 27	6 41	SetEv	5 16	6 52	SetEv	5 01	7 07	SetEv
∇	Length of day			13h 12m			13h 34m			14h 02m		
∇	Length of night			10h 48m			10h 26m			9h 58m		
17	Su	☽	4	5 28	6 40	7 56	5 17	6 51	8 03	5 03	7 05	8 13
18	Mo	☽	4	5 28	6 39	8 31	5 18	6 49	8 33	5 04	7 04	8 37
19	Tu	☽	4	5 29	6 38	9 04	5 19	6 48	9 02	5 05	7 02	8 58
20	We	☽	4	5 30	6 37	9 36	5 20	6 47	9 29	5 06	7 00	9 20
21	Th	☽	3	5 30	6 36	10 08	5 21	6 46	9 57	5 07	6 58	9 43
22	Fr	☽	3	5 31	6 35	10 43	5 21	6 44	10 28	5 09	6 57	10 08
23	Sa	☽	3	5 31	6 34	11 21	5 22	6 43	11 03	5 10	6 55	10 37
∇	Length of day			13h 01m			13h 19m			13h 42m		
∇	Length of night			10h 59m			10h 41m			10h 18m		
24	Su	☽	3	5 32	6 33	Morn	5 23	6 42	11 42	5 11	6 53	11 13
25	Mo	☽	2	5 32	6 32	0 02	5 24	6 40	Morn	5 12	6 51	11 55
26	Tu	☽	2	5 33	6 31	0 48	5 25	6 39	0 26	5 13	6 50	Morn
27	We	☽	2	5 33	6 29	1 39	5 25	6 37	1 16	5 15	6 48	0 45
28	Th	☽	2	5 34	6 28	2 33	5 26	6 36	2 12	5 16	6 47	1 42
29	Fr	☽	1	5 34	6 27	3 29	5 27	6 34	3 10	5 17	6 45	2 44
30	Sa	☽	1	5 35	6 26	4 26	5 28	6 33	4 10	5 18	6 43	3 49
∇	Length of day			12h 50m			13h 03m			13h 22m		
∇	Length of night			11h 10m			10h 57m			10h 38m		
31	Su	☽	1	5 35	6 25	5 22	5 29	6 32	5 11	5 19	6 41	4 55

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

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

DATES AND BEST HOURS FOR FISHING

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

Sluggish fishing—1, 2 and 3. Night fishing—Good, 13 and 14.
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 a bed of turnips. Fix a place for winter storage of vegetables.
Repair and store field machinery that will not be used until next year. Have the school children get a physical examination.
Eat extra salt on hot days. Be sure the poultry and livestock have plenty of water.
Dig the onions.

HISTORICAL EVENTS

AUGUST

- 1 First drawing of mechanical threshing machine in Prairie Farmer, 1841.
- 2 Warren Harding, 28th President, died 1923.
- 2 Alan Crockett, (WLS) birthday.
- 3 Iowa adopts state constitution, 1846.
- 8 Bill O'Connor, (WLS) birthday.
- 9 Laurie Sackett, (WLS) birthday.
- 10 Herbert Hoover, 31st President, born, 1874.
- 12 Al Tiffany, (WLS) birthday.
- 14 Victory Day.
- 19 National Aviation Day.
- 20 Benjamin Harrison, 23rd President, born 1833.
- 21 Lewis and Clark at Big Sioux river, Iowa, 1804.
- 24 St. Bartholomew.
- 27 Tony at Mackinac with 45-ton ship to get furs, 1679.
- 28 First dry goods store in Wabash County, Indiana, 1827.

Soap was a scarce article in the market up to a hundred years ago. In England, there was a heavy luxury tax on all soap, which was not repealed until the year 1853. First commercial exports from America consisting of potash made from wood ashes, taken to England for soap making. The United States today is the greatest soap using country in the world.

In pioneer days of this country, various sorts of plants were used as substitutes for soap for washing clothes. The common "Bouncing Bet," which grows along the highways and railway right-of-ways, was first brought from England and grown in gardens under the name "soapwort." The stems were crushed in water to make a suds on wash day.

DuBois County, Indiana, takes its name from Touissant DuBois, born in France, soldier with Lafayette, who handled many frontier transactions for President Harrison. He had been the first man to purchase land in this county, and he was buried there in an unmarked grave after being drowned in the Little Wabash, March 11, 1816.

The word "salary" comes from the fact that salt was used in ancient Rome as pay for workmen. If a workman was "not worth his salt," it meant he was a poor worker. Latin for salt was "sal." Many times in the early pioneer days of the middle west of America, salt was worth more than gold. Discovery of salt wells was the basis of a number of early settlements.

(Eastern Standard Time)

- ☾ Last Quarter
Sept. 7th — 10 57 pm
- ☾ New Moon
Sept. 14th — 2 28 pm
- ☽ First Quarter
Sept. 22nd — 0 42 am
- ☽ Full Moon
Sept. 30th — 1 41 am

SEPTEMBER



(Central Standard Time)

- ☾ Last Quarter
Sept. 7th — 9 57 pm
- ☾ New Moon
Sept. 14th — 1 28 pm
- ☽ First Quarter
Sept. 21st — 11 42 pm
- ☽ Full Moon
Sept. 30th — 0 41 am

THIS MONTH'S HARVEST—Wheat in Sweden; corn, Cuba; oats, Russia; rye, Norway; beans, Denmark; rice, Persia; buckwheat, Austria; cotton, Hawaiian Islands; turnips, parsnips, France.

9th Month.....30 Days Days Gone.....243 Days Remaining.....122		Lower Illinois, Lower Indiana, Lower Ohio			Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin			Central Michigan, Upper Michigan, Upper Wisconsin				
DM	DW	Moon Sign	Sun Slow	Rise Morn	Set Eve	Moon Rise Eve	Rise Morn	Set Eve	Moon Rise Eve	Rise Morn	Set Eve	Moon Rise Eve
1	Mo	☾	0	5 36	6 23	7 19	5 29	6 30	7 24	5 21	6 40	7 30
2	Tu	☾	0	5 36	6 22	7 48	5 30	6 29	7 48	5 22	6 38	7 50
3	We	☾	Fast	5 37	6 21	8 17	5 31	6 28	8 14	5 23	6 36	8 09
4	Th	☾	1	5 38	6 20	8 49	5 32	6 26	8 41	5 24	6 34	8 30
5	Fr	☾	1	5 38	6 19	9 24	5 33	6 25	9 11	5 25	6 32	8 54
6	Sa	☾	1	5 39	6 17	10 02	5 33	6 23	9 46	5 27	6 30	9 24

Length of day	Length of night	12h 37m 11h 23m	12h 48m 11h 12m	13h 00m 11h 00m
7 Su	☽	2 5 39	6 16 10 48	5 34 6 22 10 28
8 Mo	☽	2 5 40	6 15 11 42	5 35 6 20 11 20
9 Tu	☽	2 5 41	6 14 Morn	5 36 6 18 Morn
10 We	☽	3 5 41	6 13 0 44	5 37 6 17 0 21
11 Th	☽	3 5 42	6 11 1 52	5 37 6 15 1 30
12 Fr	☽	3 5 42	6 10 3 02	5 38 6 14 2 45
13 Sa	☽	4 5 43	6 09 4 13	5 39 6 12 4 00

Length of day	Length of night	12h 24m 11h 36m	12h 31m 11h 29m	12h 39m 11h 21m
14 Su	☽	4 5 44	6 08 SetEv	5 40 6 11 SetEv
15 Mo	☽	4 5 44	6 07 6 59	5 41 6 09 6 59
16 Tu	☽	5 5 45	6 05 7 32	5 42 6 08 7 27
17 We	☽	5 5 45	6 04 8 04	5 43 6 06 7 55
18 Th	☽	5 5 46	6 03 8 38	5 44 6 05 8 26
19 Fr	☽	6 5 46	6 02 9 15	5 45 6 03 8 59
20 Sa	☽	6 5 47	6 01 9 56	5 46 6 02 9 37

Length of day	Length of night	12h 12m 11h 48m	12h 14m 11h 46m	12h 17m 11h 43m
21 Su	☽	7 5 47	5 59 10 42	5 46 6 00 10 20
22 Mo	☽	7 5 48	5 58 11 31	5 47 5 59 11 09
23 Tu	☽	7 5 48	5 57 Morn	5 48 5 57 Morn
24 We	☽	8 5 49	5 56 0 24	5 49 5 56 0 02
25 Th	☽	8 5 49	5 54 1 20	5 50 5 54 0 59
26 Fr	☽	8 5 50	5 53 2 16	5 50 5 53 1 59
27 Sa	☽	9 5 51	5 51 3 13	5 51 5 51 3 00

Length of day	Length of night	11h 59m 12h 01m	11h 58m 12h 02m	11h 55m 12h 05m
28 Su	☽	9 5 51	5 50 4 10	5 52 5 50 4 01
29 Mo	☽	9 5 52	5 49 5 06	5 53 5 48 5 02
30 Tu	☽	10 5 52	5 48 6 04	5 54 5 47 6 04

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

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

DATES AND BEST HOURS FOR FISHING

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

Night fishing—Good, 10 and 11.
 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

- | | |
|------------------------------------------------------------|---------------------------------------------|
| Attend the fair. | Cut the clover for seed. |
| Save some flower seed for next year. | Plan and seed next year's poultry yards. |
| Cull the laying flock and put pullets in the laying house. | Do the fall house cleaning. |
| Check storm windows and chimneys for needed repair. | Help with the school hot lunch program. |
| | Weed the garden. |
| | Repot plants that will winter in the house. |

DR. HOLLAND SAYS:

The more indecision a person has, the more regrets he will harvest.
 Fortunate people always praise the laws under which they prosper.
 If you think that you can get something-for-nothing, you haven't begun to think.
 Dictators arise only when a people become too indifferent or too lazy to govern themselves.
 If life has put you on the side lines, applaud the runners, do not criticize them.
 When told that the enemy's arrows would darken the sun, a Greek hero said: "We shall fight in the shade."

**HISTORICAL EVENTS
 SEPTEMBER**

- 1 Labor Day.
- 1 Prairie Farmer reports first sugar beet harvest near Elgin, Illinois, 1841.
- 2 Japanese surrender, 1945.
- 7 Gov. Thomas A. Hendricks, Indiana, born 1819.
- 8 Fort Harrison, Indiana, attacked by Indians, 1812.
- 14 Holy Cross Day.
- 14 William McKinley, 25th President, died 1901.
- 15 First Day Jewish New Year.
- 15 William Taft, 27th President, born 1857.
- 17 Constitution Day.
- 22 William Earl, first white child born in Vigo County, Indiana, 1818.
- 24 Jewish Yom-Kippur.
- 25 Helen Joyce, (WLS) birthday.
- 26 American Indian Day.
- 26 Pottawattamis removed to Iowa, 1833.
- 27 Forget-Me-Not Day.
- 28 Gold Star Mother's Day.
- 29-30 Harvest Moon.

Concerning Money

The first Roman mint was located at the Temple of Juno Moneta, and from this fact we have our words "money," and "monetary."
 An old German word "vieh" meant cattle, which were first used to pay debts, and for barter. From this word comes our word "fee," and because the cattle were counted "by the head" we have the word "capital" from the Roman word "caput," head. Our "dollar" originated in Bohemia, where coins were minted at Joachimstal, and were referred to as joachimsthaler. This was shortened to "thaler" and to our "dollar."

The broom corn industry of America is believed to date back to a whisk broom which Benjamin Franklin received as a present from India. There were a few seeds on the broom straw, and he planted these, producing the first growth of broom corn in this country.

Pekin, Illinois, in Tazewell County, is on the same parallel as Peking, China, and Canton, in Fulton County, Illinois, is on the same parallel as Canton, China.

Reids Yellow Dent Corn was first produced in Tazewell County, Illinois, by Robert Reid, 100 years ago. In this county also the first woven wire fence made by hand in 1889, by Peter Sommer, a farmer near Tremont.

(Eastern Standard Time)
 ☾ Last Quarter
 Oct. 7th — 5 29 am
 🌑 New Moon
 Oct. 14th — 1 10 am
 ☽ First Quarter
 Oct. 21st — 8 11 pm
 ☾ Full Moon
 Oct. 29th — 3 07 pm

OCTOBER



(Central Standard Time)
 ☾ Last Quarter
 Oct. 7th — 4 29 am
 🌑 New Moon
 Oct. 14th — 0 10 am
 ☽ First Quarter
 Oct. 21st — 7 11 pm
 ☾ Full Moon
 Oct. 29th — 2 07 pm

THIS MONTH'S HARVEST—Wheat in South Africa; corn, Canary Islands; rice, parts of India; clover, Australia; cotton, Zanzibar; flax, Rumania; hops, Belgium; cranberries, Alaska.

10th Month.....31 Days Days Gone.....273 Days Remaining.....92		Lower Illinois, Lower Indiana, Lower Ohio			Upper Illinois, Upper Indiana, Iowa, Lower Michigan, Upper Ohio, Lower Wisconsin			Central Michigan, Upper Michigan, Upper Wisconsin				
DM	DW	Moon Sign	Sun Fast	Sun Rise Morn	Set Eve	Moon Rise Eve	Sun Rise Morn	Set Eve	Moon Rise Eve	Sun Rise Morn	Set Eve	Moon Rise Eve
1	We	☾	10	5 53	5 46	6 50	5 54	5 45	6 44	5 57	5 43	6 35
2	Th	☾	10	5 53	5 45	7 24	5 55	5 44	7 13	5 58	5 41	6 58
3	Fr	☾	11	5 54	5 44	8 02	5 56	5 42	7 47	5 59	5 39	7 26
4	Sa	☾	11	5 55	5 43	8 45	5 57	5 41	8 27	6 00	5 37	8 00
↓ Length of day				11h 47m			11h 41m			11h 34m		
Length of night				12h 13m			12h 19m			12h 26m		
5	Su	☾	11	5 55	5 42	9 37	5 58	5 39	9 15	6 01	5 35	8 44
6	Mo	☾	12	5 56	5 40	10 35	5 58	5 38	10 12	6 03	5 34	9 41
7	Tu	☾	12	5 56	5 39	11 40	5 59	5 36	11 18	6 04	5 32	10 47
8	We	☾	12	5 57	5 38	Morn	6 00	5 35	Morn	6 05	5 30	Morn
9	Th	☾	12	5 58	5 37	0 48	6 01	5 33	0 29	6 06	5 28	0 03
10	Fr	☾	13	5 58	5 36	1 56	6 02	5 32	1 42	6 08	5 26	1 22
11	Sa	☾	13	5 59	5 35	3 05	6 03	5 30	2 45	6 09	5 25	2 41
↓ Length of day				11h 35m			11h 25m			11h 12m		
Length of night				12h 25m			12h 35m			12h 48m		
12	Su	☾	13	5 59	5 34	4 10	6 04	5 29	4 05	6 11	5 23	3 58
13	Mo	☾	13	6 00	5 33	5 13	6 05	5 27	5 14	6 12	5 21	5 14
14	Tu	☾	14	6 01	5 32	SetEv	6 06	5 26	SetEv	6 13	5 19	SetEv
15	We	☾	14	6 01	5 31	6 33	6 07	5 25	6 22	6 14	5 17	6 06
16	Th	☾	14	6 02	5 29	7 10	6 08	5 23	6 54	6 16	5 16	6 33
17	Fr	☾	14	6 02	5 28	7 50	6 09	5 22	7 31	6 17	5 14	7 04
18	Sa	☾	15	6 03	5 27	8 33	6 10	5 21	8 12	6 18	5 12	7 41
↓ Length of day				11h 22m			11h 09m			10h 51m		
Length of night				12h 38m			12h 51m			13h 09m		
19	Su	☾	15	6 04	5 26	9 22	6 11	5 20	8 49	6 19	5 10	8 27
20	Mo	☾	15	6 04	5 25	10 13	6 12	5 19	9 51	6 21	5 09	9 19
21	Tu	☾	15	6 05	5 24	11 08	6 12	5 17	10 47	6 22	5 07	10 18
22	We	☾	15	6 05	5 23	Morn	6 13	5 16	11 45	6 24	5 06	11 21
23	Th	☾	15	6 06	5 22	0 04	6 14	5 15	Morn	6 25	5 04	Morn
24	Fr	☾	16	6 07	5 21	1 01	6 15	5 14	0 46	6 26	5 02	0 26
25	Sa	☾	16	6 08	5 20	1 57	6 16	5 12	1 47	6 28	5 01	1 32
↓ Length of day				11h 11m			10h 54m			10h 30m		
Length of night				12h 49m			13h 06m			13h 30m		
26	Su	☾	16	6 08	5 19	2 54	6 17	5 11	2 48	6 29	4 59	2 39
27	Mo	☾	16	6 09	5 18	3 51	6 18	5 09	3 49	6 31	4 58	3 46
28	Tu	☾	16	6 10	5 17	4 49	6 19	5 08	4 52	6 32	4 56	4 56
29	We	☾	16	6 11	5 16	RisEv	6 20	5 07	RisEv	6 33	4 54	RisEv
30	Th	☾	16	6 12	5 15	6 00	6 21	5 06	6 46	6 34	4 53	5 26
31	Fr	☾	16	6 12	5 15	6 42	6 22	5 05	6 24	6 36	4 51	5 59

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

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

DATES AND BEST HOURS FOR FISHING

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

Night fishing—Good, 7 and 8.
 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

- Get winter clothes ready to wear.
- Get garden trash plowed under after a killing frost.
- Visit a sick friend.
- Watch for frost forecasts and get the strawberries covered.
- Protect fruit trees from rabbits.
- Get some good books for winter reading.
- Dig up and dry gladiola bulbs.
- Plan a good rat-killing campaign.
- Cooperate with fire prevention campaigns; support a local fire protection association.

DR. HOLLAND SAYS:

If you must have an Affinity, fall in love with Work.

Good "raising" at home helps children to rise in the world.

When you think of the American Flag, remember the White and Blue in it, also.

Popularity may come to us in life, but few achieve fame until they are dead.

Do not defend your failures; profit by them, and forget them.

It is pretty hard to believe that anyone in America is honest until after election.

HISTORICAL EVENTS

OCTOBER

- 4 Rutherford Hayes, 19th President, born 1822.
- 5 Chester Arthur, 21st President, born 1830.
- 8 Franklin Pierce, 14th President, died 1869.
- 9 Prairie Farmer offices destroyed by great Chicago fire, 1871.
- 12 Columbus Day.
- 14 Prairie Farmer first publication mailed out of Chicago after great Chicago fire, 1871.
- 18 Trial of Fawkes Steam Plow near Jacksonville, Illinois, reported by Prairie Farmer, 1860.
- 21 Jack Holden, (WLS) birthday.
- 22 Stephen Moulton Babcock, born 1843. Invented the Babcock test for butterfat and gave it free to the world.
- 27 Navy Day.
- 29 Hunter's Moon.
- 31 Halloween.
- 31 First lot sale at Terre Haute, Indiana, 1816.

Stephen Moulton Babcock, born on a farm not far from Utica, New York, became one of the great benefactors of the world through his teaching and his invention of the Babcock test for butterfat. It was while he was teaching in the Wisconsin agricultural college that he realized how haphazard were the methods of keeping records on dairy cow production. Without facts to go on, there could be no constructive breeding, no steady improvement. The Babcock test, the first simple, accurate method of determining the percentage of butterfat in milk and cream, led to vast improvements in dairy cattle and in dairy manufacturing processes.

Dr. Babcock could have made millions for himself out of this invention. He set a high pattern of unselfishness when he gave his invention free to the world. When he died he had very little money, but he had lived a happy life, and was rich in the love of his countrymen.

The first roller mill in the United States was built in the town of Berlin, Green Lake County, Wisconsin. Previously, grain had been ground between millstones. This same county also claims the honor of the first petition for a county-wide test of all cattle to eliminate tuberculosis. That movement has since covered the entire United States. Also the oldest G. A. R. post in the country is in Berlin.

Curbing an expensive habit is equal to a raise in salary.

(Eastern Standard Time)

- ☾ Last Quarter
Nov. 5th — 0 03 pm
- ☾ New Moon
Nov. 12th — 3 01 pm
- ☽ First Quarter
Nov. 20th — 4 44 pm
- ☽ Full Moon
Nov. 28th — 3 45 am

NOVEMBER



(Central Standard Time)

- ☾ Last Quarter
Nov. 5th — 11 03 am
- ☾ New Moon
Nov. 12th — 2 01 pm
- ☽ First Quarter
Nov. 20th — 3 44 pm
- ☽ Full Moon
Nov. 28th — 2 45 am

THIS MONTH'S HARVEST—Wheat in Peru; corn, Italy; oats, Australia; rye, Union of South Africa; potatoes, Brazil; peas, beets, Argentine; oranges, Cuba; melons, Iran.

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

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.
 Good: 3, 4, 11, 12, 21, 22, 30
 Fair: 9, 10, 16, 17, 26, 27
 Poor: 1, 2, 7, 8, 13, 14, 15, 28, 29
 Bad: 5, 6, 18, 19, 20, 23, 24, 25

DATES AND BEST HOURS FOR FISHING

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

Night fishing—Good, 3.
 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

- Make Christmas gifts.
- Prepare a Christmas card list, and select Christmas cards.
- Make machinery repairs as you put it under cover.
- Winterize your car.
- Be sure the henhouse is warm and well ventilated.
- Give the laying flock a good balanced ration.
- Find a good market for turkeys and broilers.

DR. HOLLAND SAYS:

Bought friendships are a shoddy investment.
 When adversity comes you can remember your friends.
 One little dog can start an awful big dog fight, and then run away.
 Do not teach a child to fear. Nature will show him enough things to avoid.
 Keep your good eye on your own faults, and you will see fewer in other people.

The faith of a man's wife in him is worth more than the flattery of all the other women.

HISTORICAL EVENTS

NOVEMBER

- 1 All Saint's Day.
- 1 Prairie Farmer announces first corn oil, used in lamps, made in Michigan, 1841.
- 2 All Soul's Day.
- 2 James Polk, 11th President, born 1795.
- 3 Election Day, some states.
- 8 Prairie Farmer announces Lincoln elected President, 1860.
- 10 Marine Corps Day.
- 11 Armistice Day.
- 18 Chester Arthur, 21st President, died 1886.
- 19 James Garfield, 20th President, born 1831.
- 23 Franklin Pierce, 14th President, born 1804.
- 24 Zachary Taylor, 12th President, born 1784.
- 27 Thanksgiving Day.
- 30 St. Andrews; First Sunday in Advent.
- 30 Foxes and Sacs warned against British traders, 1781.

At Portland, Jay County, Indiana, Elwood Haynes built the first successful clutch driven automobile in the world. In this county was the "Limberlost" made famous by Gene Stratton Porter. A marker near Pennville, Jay County, shows the place where "Eliza" of Uncle Tom's Cabin, took refuge in her flight to Canada. Johnny Appleseed once owned an orchard near New Corydon, and the Ben Davis apple was named after a Jay County school teacher. The first hatchery in Indiana was started by A. V. Termohlen, who built an incubator of two piano boxes. All in Jay County.

Elkhart County, Indiana, is known as the musical instrument capital of the world. Sixty per cent of all band instruments are made in Elkhart.

Indiana University at Bloomington, Monroe County, Indiana, is the oldest state-supported university west of the Allegheny Mountains. It was established in 1820 as a state seminary, and has been called the Mother of College Presidents.

There is a fish that lives in tropical waters which has bi-focal lenses in its eyes, one for seeing above water and the other for seeing under water. It usually floats just at the surface. Some fish have electric batteries in their bodies and can give a shock of 30 to 50 volts, and the electric eel can give a shock of 300 volts sufficient to knock a man down. Scientists believe birds evolved from forms of fish.

A kind heart will do more good in the world than a keen head.

(Eastern Standard Time)

- ☾ Last Quarter
Dec. 4th — 7 55 pm
- ☾ New Moon
Dec. 12th — 7 53 am
- ☽ First Quarter
Dec. 20th — 0 43 pm
- ☽ Full Moon
Dec. 27th — 3 27 pm

DECEMBER



(Central Standard Time)

- ☾ Last Quarter
Dec. 4th — 6 55 pm
- ☾ New Moon
Dec. 12th — 6 53 am
- ☽ First Quarter
Dec. 20th — 11 43 am
- ☽ Full Moon
Dec. 27th — 2 27 pm

DR. HOLLAND SAYS:

God loves a cheerful . . . liver.
They who strongly will to do will do.

Did you ever try to analyze the thoughts of those who talk all the time?

Blessed are the young people who get married to help each other succeed. I can't account for the gambling mania on any other ground than that a lot of us are born fools.

The cities are crowded with young people who thought that their "home towns" were too small for them.

HISTORICAL EVENTS

DECEMBER

- 3 Illinois admitted into statehood, 1818.
- 5 Martin Van Buren, 8th President, born 1782.
- 7 Jack Taylor, (WLS) birthday.
- 8 Immaculate Conception.
- 9 Louis Joliet joins Father Marquette, 1672.
- 10 Allee Sackett, (WLS) birthday.
- 11 Indiana admitted to statehood, 1818.
- 14 George Washington, 1st President, died 1799.
- 16 Chuck Sebastian, (WLS) birthday.
- 20 Jack Stilwill, (WLS) birthday.
- 21 St. Thomas.
- 25 Christmas Day.
- 28 Seebee Day; Holy Innocent's Day.
- 28 Iowa admitted to statehood, 1846.
- 29 Andrew Johnson, 17th President, born 1808.
- 31 Rex Allen, (WLS) birthday.

Beginnings of RFD

In the period preceding the year 1891, people living on farms had a difficult time getting mail. They had to drive to the nearest postoffice to get it. There was great need for better mail service, but few improved highways, and automobiles not yet invented.

Postmaster General John Wanamaker, in 1891, outlined a plan for rural mail delivery, asked for an appropriation of six million dollars. Congressman James O'Donnell of Michigan introduced a bill to appropriate that amount. It was defeated, and next year the meager sum of \$10,000 was appropriated. This was not enough to make a start, but by 1894 another \$20,000 was appropriated, by 1896 another \$10,000, so Rural Delivery was started.

The first RFD routes were in West Virginia, and five carriers, with routes averaging 20 miles, received salaries of \$200 a year. Nine months later there were 82 routes operated from 43 postoffices in 29 states.

Today approximately eight million families are served by rural routes, nearly 30 million patrons. Rural mail carriers travel one and one-half million miles a day. The shortest route is out of Glenshaw, Pennsylvania, six miles long, the longest out of Antonito, Colorado, 101 miles long.

Rural mail delivery is one of the great forces that has served to unite the nation and make possible its great growth and power.

The mail carrier's slogan:

**"Neither snow nor rain nor heat
Nor gloom of night
Stays couriers from the swift completion
Of their appointed rounds."**

Origin of "Uncle Sam"

"Uncle" Sam Wilson of Troy, New York, supplied barrelled beef for the armed forces in the war of 1812. The barrels were marked "US," and was called "Uncle Sam's" beef.

THIS MONTH'S HARVEST—Wheat in Paraguay; oats, Argentine; rye, Chile; rice, China; cotton, Japan; flax, Australia; sugar cane, Egypt; cherries, New Zealand; lemons, Italy.

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

MOON SIGN PLANTING DAYS—Figures underscored are for crops that produce their yield above ground, such as corn, tomatoes, etc. Figures not underscored are for crops that produce their yield below ground, such as potatoes, carrots, etc.

Good: 1, 8, 9, 10, 18, 19, 20, 27, 28

Poor: 4, 5, 11, 12, 25, 26, 31

Fair: 6, 7, 13, 14, 15, 23, 24

Bad: 2, 3, 16, 17, 21, 22, 29, 30

DATES AND BEST HOURS FOR FISHING

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

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

Do the Christmas shopping early.
Mail Christmas cards.
Give away discarded clothes.
Make sure that animals have fresh, warm water.
Sharpen your skates to be ready for skating weather.

Help with Christmas school programs.
Bring your scrapbook up to date.
Bleach feed sacks and put them to use.
Start closing out the account books.
Decorate the house for Christmas.
Have an oyster supper.

Glimpses at WEATHER FORECASTING

By **BOB NELSON**, *Staff Meteorologist*

PRAIRIE FARMER-WLS

FORECASTING the weather is a little like a doctor trying to cure a person of a disease. He diagnoses what the trouble is and attempts to make a cure. But the human body is so complicated that he might treat one thing while another goes wrong. A meteorologist sees a storm coming and attempts to forecast its development and movement. But it is so complex, with so many possibilities, that he might miss many important little factors that were not even noticeable at the beginning.

Storms Come from West

The great majority of storms in the upper Middle West move into this area from the west. This applies to both low and high pressure areas. So when watching for bad weather, we can expect it to come from a westerly direction.

A barometer, if set each day, will fall as a low pressure area moves in from the west, and will rise with the approach of high pressure when the storm moves eastward. Low and high pressure are relative terms that vary seasonally as well as daily. A fair average value to determine whether

high pressure or low pressure is occurring at any location in the Midwest is that of the standard atmosphere, 29.95 inches of mercury. If the reading is below 29.95, low pressure, and if above 29.95, high pressure prevails.

Low Pressure—Unsettled Weather

It is the low pressure areas that bring us our unsettled weather, and it is the fronts within the low pressure system which define the areas of bad weather. To say that low pressure areas bring unsettled weather, and high pressure areas clear weather, is somewhat misleading, as the two are very closely related. The northerly winds of an approaching high pressure area are also the northerly winds of a departing low pressure area. Likewise the southerly winds at the back of a departing high pressure area are the southerly winds of an approaching low. The normal trend is for high pressure areas to follow lows, giving alternately periods of clear and of unsettled weather.

You will often hear us mention the approach of a cold front or a warm front. It is along this front, the area

where warm and cold air come together, that we find rain and thunderstorms. Normally an approaching cold front has a slope on the surface of the cold air of about one foot up in every 80 feet of distance. A warm front, on the other hand, has a slope of about one foot in 200 feet of distance, which explains why the storms are less violent at the approach of the warm front.

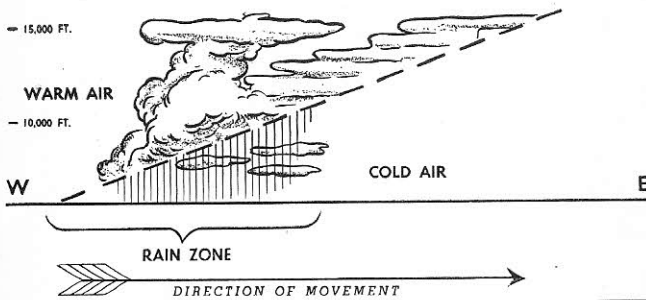
How to Locate Storm Center

Here are some things you can try in your own forecasting. Stand with your back to the wind, and extend your left arm just a little ahead of straight out. It will point toward the next center of low pressure approaching you. In the same position, with your back to the wind, extend your right arm straight out at the side, and it will point to the center of high pressure.

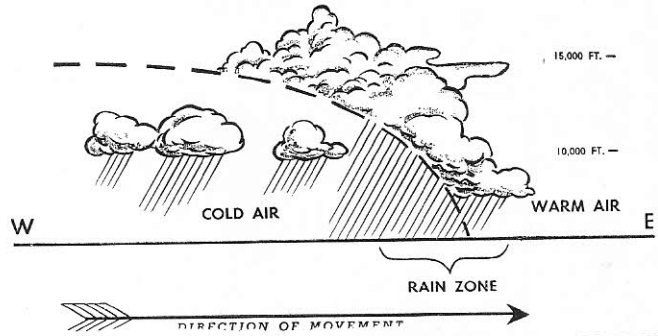
If a cold front is approaching, the winds will be southerly—that is, from the south. By the tests mentioned above you will find that the cold front is part of the low pressure area that is approaching. Likewise if you have northerly winds, you will find that the low pressure area is to the east of you and a high pressure area is moving toward you from the west. Under ideal conditions, it would rain along the cold front as it passes, and ahead of the warm front as it approaches. Low pressure areas, on the average, are cloudy, and high pressure areas have clear skies.

Of course, none of these rules will always hold true, but they are generally correct, and they help you to understand what is happening.

WARM FRONT



COLD FRONT



Farm Quiz Questions

Q—Everybody knows about hybrid corn, but what animal hybrid has been used on farms of this country since George Washington's time?

A—The mule. Washington was the first mule raiser.

Q—Is it correct that cows have no teeth on the upper jaw?

A—No. They have no upper front teeth, or incisors, but they do have molars on the upper jaw.

Q—If a horse has a femur in his hind leg, would you consider him unsound?

A—If he didn't have a femur in his hind

leg he wouldn't be much of a horse. This is the upper bone of the leg, that joins onto the pelvis.

Q—Is it true or false that a male honeybee never stings a person who has freckles?

A—It is true, for the male honeybee, or drone, has no stinger and doesn't sting anybody.

Q—You have often pared apples. Can you remember whether the pointed ends of the seeds are toward the stem end or the blossom end?

A—Toward the stem end. Be more observant next time!

A Party Stunt

Seat your party in two lines of equal number. Provide for each, a zipper handbag which contains a pair of gloves and some caramels wrapped in waxed paper. At starting signal the first person unzips the bag, puts on the canvas gloves, picks up a caramel, takes off the waxed paper, puts the caramel in his mouth, takes off the gloves, puts them back in the bag, zips it shut and passes it to the next. The line finishing first is the winner.

It's better if the canvas gloves are new, for then it's harder to get the waxed paper off. This makes a lot of fun and hilarity for your party.

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WLS NATIONAL BARN
DANCE BROADCAST
EVERY SAT NIGHT

