

## Patronize Our Advertisers and Keep the "GO" in GOBLES

### LOCAL BREVITIES

Annual school meeting next Monday night.

Ed Doe spent the holiday in Port Huron.

Next Wednesday last day to pay water tax without extra charge.

Ur Hicks of Ober, Ind was calling on friends in town last Friday.

Community bake sale at I. G. A. store Saturday forenoon from 9:30 to 12:00.

Mr. and Mrs. Tychsen and Marian visited at Bradford, Ill. over the week end.

Mrs. Hattie Clark is home from Allegan and Mrs. Parker is with her at present.

South Haven Industrial Exposition at Casino evenings for the rest of this week.

John Post and family of Battle Creek visited at Will Carpenter's Decoration day.

Mrs. Orissa Markillie is home again after spending the winter with her son at the farm.

The Fourth Quarterly Conference of the M. E. church will be held next Sunday at 3 o'clock.

The Community Aid will meet with Mrs. Jas. Hartley at Lake Mill next Wednesday afternoon.

Mr. and Mrs. John Stevenson, Virginia Mackay and Eva Jansen of Chicago were week end guests of Mr. and Mrs. Lomax.

Dr. R. E. Meader of Kalamazoo will speak at the M. E. church next Sunday at 10 o'clock and at Kendall at 11:30, fast time.

Mr. and Mrs. Will F. Young and daughter, Barbara, Margaret Silkestone and Roger Cole of Ferndale spent Saturday and Sunday at Al Wauchek's.

Some of the work of manual arts students of Gobles school is on display in the window at Curtiss & Co. and is attracting much attention and well merited praise.

Mr. and Mrs. F. L. Hoenstein, Marshal Hoenstein and Miss Phyllis Howard of Goshen, Ind., and Mr. and Mrs. John Baxter of Kalamazoo were Sunday guests at the home of Charles Petty.

Mr. and Mrs. W. D. Thompson entertained the members of the Gobles school orchestra at their pleasant home south of town last Monday evening. A sumptuous chicken dinner was served to which all more than did justice, after which an indoor baseball game was enjoyed, which the director's side won after a hard fought contest.

A county dental clinic will start at Bloomingdale school building June 29 for all children of pre school and grade school age whose parents are not financially able to have this work done by their family dentist. Report to Clinton Cleland, Mrs. Patten, Bloomingdale or Mrs. Laura Wauchek, Gobles at once that dates may be arranged before the clinic starts.

Mr. and Mrs. Otho Walker had as their dinner guests Saturday Mr. and Mrs. Geo. Wilbur of Battle Creek and they had as callers for the day R. D. Thayer and Wm. Steinman of Detroit, Mr. and Mrs. Lee Keller and family of Ypsilanti, Mr. and Mrs. Avery Edgerton and family, Mrs. Ruth Hollowell and family of Cooper, Mrs. Jane Phillips and Charlie Phillips of near Gobles.

A record crowd at the opening dance at Barber's Bathing Beach last Saturday night and all enjoyed the colored band that plays there yet every evening for the rest of this week. Paw Paw won from Almena Sunday and the new ball team trimmed the visitors 17 to 2, and the visitors were not so poor either. Only the very best teams in the state will stand a chance with this new Base Line nine.

Masonic regular tonight.

Andy Camfield picked ripe strawberries June 2.

John McDonald is moving to the McElheny house.

Carleton Rendel of Chicago was here the over week end.

Mrs. V. Kalisiak enjoyed the first ripe strawberries June 1.

George White and family of Flint were here for the week end.

The P. N. G. will meet with Villa Newcomb, June 9.

Mrs. McDonald and Sara Jane were in Eaton Rapids for the week end.

Mrs. V. Kalisiak spent last Friday with her mother, Mrs. Anton Rakowski.

Mrs. Linus Winters and children of Detroit are visiting her parents, Mr. and Mrs. S. Kridler.

Steve Starks and family of Midland were week end guests of Fred Starks and Roy Niles.

Carson Rendel, Marion Rendel and Kathreen Huffman spent last week in Detroit.

Ruth Wichman, who graduated at Bloomingdale last week, is with her class on a trip to Niagara Falls.

Mr. and Mrs. Frank Clement and two daughters of Silver Creek, N. Y., are visiting his parents and others here this week.

Mr. and Mrs. Harry Sackett of Battle Creek, Mrs. Ralph Willis and Mrs. Geo. Bishop of Kalamazoo spent Saturday and Sunday with their parents, Mr. and Mrs. W. D. Holmes.

Sunday visitors at V. Kalisiak's were: Joe Haser, Steve Kulas, Harry Kalisiak, Ogle Simons of Chicago and Mr. and Mrs. Lewie Camfield and family. All had a wonderful time at North Lake on Saturday night.

### Commencement

Commencement week started most auspiciously Sunday evening with the baccalaureate services.

Rev. Johnson of Covey Hill proved the man of the hour and gave a wonderful sermon on "Thinking Through to the Truth with Jesus." He held his hearers' attention throughout and won well merited praise.

Special music by a special choir and by the school orchestra helped to complete a most interesting and instructive evening.

Tonight is class night and the following program is prepared:

March, Orchestra

Salutatory, Guinevere Thompson

Class History, Norman Rendel and Edward Mahieu.

Oration, Carlton Ullrey.

Prophecy, Marian Gager, Alice Hudson and Lela Lauphere.

Vocal Solo, Donneata Wilcox.

Giftatory, Elton Carpenter and Robert Burgett.

Grumbler, Basil Allen.

Will, Glenn Day

Valedictory, Gwendolyn Thompson.

Music, Orchestra.

The above with Pauline First, who has been ill, constitute the class of 1931.

Tomorrow night the school year will close with Gerald F. Bush, Assistant Superintendent of Public Instruction, as speaker of the evening, to be followed by the presentation of diplomas and another satisfactory year of Gobles school life will be added to history's page.

### Eighth Grade Exercises

today at two at the schoolhouse.

March, Miss Belton

Address of Welcome, Mrs. Schneider.

Piano Solo, Elinor Gilchrist

Class History, Fred Niles

Class Poem, Elinor Gilchrist

Chorus, Seventh and Eighth Grades

Class Will, Corlan Cummins

Class Prophecy, Marie Smith

Saxophone Duet, Bernith Kelly and Frank Osmun.

Address, Mr. Petty

Melophone solo, Corlan Cummins.

The public is invited.

Patronize our advertisers.

### KENDALL

Jack Benton was real sick several days last week with flu.

Mr. and Mrs. Clayton Ruell and son, Eldon spent Sunday at Arthur Earl's of Bloomingdale.

Mr. and Mrs. Roy Hancock of Kalamazoo were callers at Emmett Leverage's Friday.

Dell Clark and family spent Sunday in Kalamazoo at his brother's, Charles Clark.

Ray Myers of Berlamont was doing business at the barber shop in Kendall Friday.

Mr. and Mrs. Joe Getzen of Pontiac visited at L. H. Waber's over the week end.

Dean Ray spent Friday evening with his cousins, H. Waber and family.

Nellie Ralph and Belle Porter of Kalamazoo spent the Memorial day holiday with Mrs. Alva Knowles.

Mrs. Grace Gibson, Mr. and Mrs. Morris Sharpsteen and daughter, Joan of Scotts were Sunday callers at Dr. and Mrs. Wilkinson's.

Mr. and Mrs. Clyde Leverage and daughters, Beatrice, Joyce and June and Mr. and Mrs. Frank Leverage motored to Detroit for the week end holiday.

Mr. and Mrs. H. Waber and children spent Sunday evening with Mr. and Mrs. Geo. Boney east of Comstock.

Mr. and Mrs. Estus Leverage and Mr. and Mrs. Emmett Leverage visited the Getz farm north of Holland Sunday afternoon.

Chester Ray was home from Allegan for the Memorial holiday.

Louis H. Waber recently sold his farm to Rex Graham of Kalamazoo and has purchased the house recently owned by Paul M. Waber, where they will make their future home.

Sunday callers at Frank Lewis' were: Mr. and Mrs. Wm. Carpenter and Mrs. Mary Wheeler of Pine Grove and Mr. and Mrs. Henry Young.

Mrs. Mabel K. Waber spent Sunday evening with her cousins, Mr. and Mrs. Chas. M. Kingsley, in Kalamazoo.

Mrs. Homer Beadle entertained Memorial day and Sunday, Mr. Orrin Foster and Marie Hirte of Chicago.

Mrs. Aleda Champion entertained the Pike family Memorial day. Among those present were: Mr. and Mrs. Alva Pike of Mattawan, Mr. and Mrs. G. O. Pike, Mr. and Mrs. Daniel Pike of Kalamazoo, Mr. and Mrs. Glenn Champion and son of Kalamazoo. These together with nieces and nephews brought her visitors up to 26 for the day.

Sunday callers at Alva Knowles were: Mr. and Mrs. Rex Graham and little son, Eddie Paul, Mr. and Mrs. Jay Manning, Mr. and Mrs. Paul Slack and little daughter, Betty May, Mrs. Blanche Cargill and son, Gerald Phelps, and granddaughter, Blanche Lorraine, Mrs. Roberts and Geo. Easton of Otsego.

Mrs. Aleda Champion is spending a few days with her son Claude and family near Paw Paw.

Mr. and Mrs. Basil Brundage are living in his mother's house while their own home is undergoing extensive repairs.

Bessie Story of Kalamazoo spent the Memorial holidays with her sister, Mrs. Eva Brown. Sunday afternoon callers were Mr. and Mrs. Clarence Brown of Paw Paw.

Born, June 1, to Mr. and Mrs. Fred Babbltt, a son, Frederick jr. The little fellow weighed 9 pounds.

Mr. and Mrs. Henry Hodgman and family spent Sunday at Jake Mahieu's. Mr. Mahieu is not so well.

Visitors at Elmer and Mary Chamberlin's at Cooper Sunday were, Mr. and Mrs. Frank Chamberlin, Mr. and Mrs. Rollo Wood-

ward, Mr. and Mrs. D. V. Chamberlin and son Vern and family, and Mr. and Mrs. Loel Bachelder and sons, Bernard and Richard.

### Card of Thanks

We wish to thank the Woodman Grange and Ladies Aid for the fruit they sent, and our friends and neighbors for the cards and letters during our illness.

Your kindness will never be forgotten.

Mr. and Mrs. Arthur Healy and family.

### Community Church

We urge you to join in the Church services. This is your Church, it depends upon you how it will prosper.

Sunday School at 10:00.

Mr. Hartley's "Men's Class" meets in the Club Room at the same hour. All men are asked to drop in and enjoy an hour of real fellowship.

Church Service at 11:00.

"Our Ships Come Home."

### Obituary

Laura Streater Gorton was born in Waverly township, Van Buren County, Michigan, September 25, 1858 and passed away at the home of her daughter in Battle Creek, May 24, 1931 at the age of 72 years 7 months and 29 days.

Mrs. Gorton lived most of her life in Waverly, coming to Gobles in 1919.

She leaves to mourn: her husband, Frank Gorton; a daughter, Mrs. Mattie Rice of Battle Creek; a son, Lynn Gorton, of Wolf Point, Montana; a sister, Mrs. Robert Taylor; a brother-in-law, William Gorton; six grandchildren and several nieces and nephews.

The funeral was held from the Andre funeral home Wednesday afternoon, Rev. Hayes officiating, with burial in Robinson cemetery.

### Card of Thanks

We take this opportunity to thank all who assisted during the illness and at the death of our loved one. We are also grateful to the Gobles merchants and others for the beautiful floral tributes.

Frank Gorton and Children.

### Notice of Annual School Meeting

Notice is hereby given that the annual meeting of School District No. 5 of the townships of Bloomingdale and Pine Grove for the election of School District Officers, and the transaction of such other business as may lawfully come before it, will be held at school house in said district, on Monday the 8th day of June A. D. 1931 at eight o'clock in the afternoon.

Bessie K. Stimpson, Secretary

Dated this 28th day of May, A. D. 1931.

### WAVERLY

Mr. and Mrs. Myron Colburn of South Bend visited their little son, Burton, at the home of his grandparents, Mr. and Mrs. A. B. Frisbie, last Wednesday.

Eugene Stevens has sold his farm and will make his home in Paw Paw with his children.

Mr. and Mrs. Everett Austin of Detroit were visitors at Roy Sage's and Oliver Ketchum's over the week end.

Mr. and Mrs. Leon Laws and family of Three Rivers and Mrs. Reppy of Centerville spent the week end at John Russell's.

Mr. and Mrs. Luther Taylor of Lansing, Mr. and Mrs. Robert Taylor jr. of Grand Rapids, Mr. and Mrs. Glenn Dornan and Mrs. Len Dornan of Glenn were here to attend the funeral of Mrs. Frank Gorton of Gobles, last Wednesday.

The Austin school closed last Tuesday; the Armstrong and the Johnstown schools last Friday with picnics.

### Business Locals

Free Bridal Wreath at Nursery.

Registered Jersey bull, Wilmotwood bred, a very fine animal, for sale. Willard Ray.

Gasoline lighting system with 3 lights and seed potatoes for sale. See or phone W. E. Davis, Route 1.

Genuine Cherokee Indian Remedies. See Charles Boothby, Gobles.

Certified seed potatoes for sale, Petoskey Russets. Warren C. Hood, Paw Paw, R 1. Phone 23F22.

\$60 Remington Portable typewriter, used 3 months, only \$45 at News office.

Garden Plants half cent up at Nursery. Why pay more?

Mixed hay, potatoes and fresh cows for sale. Ford Veley. 2t

Alfalfa seed at right prices? Yes, quality considered, we will meet or lower any price you can get. No. 1 Grimm alfalfa \$17.20. Stanley Styles.

Small sideboard for sale cheap. Mrs. Grant Brown.

Few Apple free for digging today, at Nursery.

A new Tulip bulb, "Chicago," is enroute from Holland, Europe, to Gobles Nursery, just two dozen, half for sale, limit two bulbs at \$1.

Pedigreed Pups—Beagles, Irish Setters, for sale cheap. Dwight Hewitt, 5 miles north Bloomingdale.

For Sale—Good piano, music cabinet, victrola, beds, springs, mattresses, chairs and rugs. See L. H. Waber, Kendall, Michigan. Phone 3 3 F 4.

Nursery expects Swt. Potato Plants last of this week, very cheap.

Wanted—Cattle, hogs and calves; also all kinds of poultry. Phone Gobles Mutual 3 1 F. 2. Vern Stephenson.

Cupboard for sale. See Mrs. R. Hill.

Wanted—Portable blacksmith forge, in good condition, with hood. Van Ryno.

We have changed to a Cash Business. All parties owing us must pay at once. Cash Supply Store. A. B. Post.

Overstocked with high class hay cars, \$25.00 values, your choice for \$10.00. We trade for Cattle, Hay Rakes, Loaders, Mowers, all kinds cheap. Cash Supply Store. A. B. Post.

### Sunny Day Club

The Sunny Day Club met at the home of Mrs. Jessie Wesler, May 28, 1931. There were nineteen members and eight visitors present.

At high noon a bountiful dinner was served, after which our business meeting took place, followed by a fine program, which surely was enjoyed by all. There were six plates sent to the sick.

The next meeting will be with Mrs. Hattie Phelps, 704 S. Farmer St., Otsego, Mich, on June 11, 1931

### Notice

Whereas the 1931 Legislature of the state of Michigan has passed an act making it lawful for the county treasurer of any county in the state of Michigan to accept payment of delinquent taxes which are regularly paid to township treasurers, for the years 1929 and 1930 without fee or penalty until July 1, 1931.

And whereas the Village Council of Gobles wishes to extend to the tax payers of the Village of Gobles the same privilege in payment of delinquent taxes for the years of 1929 and 1930.

Be It Therefore Resolved, That this Council request John W. Swoap, Treasurer of Van Buren county, to accept payment of delinquent taxes for the Village of Gobles for the years of 1929 and 1930 without fee or penalty added until July 1, 1931.

John Reigle, Village Pres.

C. L. Andre, Village Clerk.

### GOBLES NEWS

EVERY THURSDAY MORNING Entered at the Post Office at Gobles Mich., as second-class matter. J. BERT TRAVIS, Publisher. SUBSCRIPTION PRICE, \$1.00 A YEAR IN ADVANCE. IN CANADA, \$1.25. 1 month, in advance.....\$1.00 4 months, in advance.....\$4.00 6 months, in advance.....\$6.00

ADVERTISING RATES. Business Locals, 5 cents a line per week. Church Notices, half price. ALL Poetry 5c per line, in advance. Resolutions, 75 cents per set. Cards of thanks, obituaries and resolutions are to be paid for in advance. Obituaries, 25 lines free; all over 25 lines \$1.50 cents per line will be charged. Cards of Thanks, 50 cents. Copy for advertising must reach this office not later than Tuesday noon. All that comes in later can be laid one side until the issue of the following week. Copies of the paper, 5c each. Copies of the paper are not included in obituaries or cards of thanks.



Fishing licenses at News office.

Good horses for sale. Sage Bros.

Farm Bureau seeds. Stanley Styles

Indian relics wanted. See Van Ryno.

Buy Firestone tires at L. & C.

Veal calves wanted. See or phone Lester Woodruff.

Suits and topcoats cleaned and pressed \$1. Call for and deliver Mon. and Thurs. Out of town customers leave cleaning at Ruell's grocery. Clare C. Stegeman, Dry Cleaning Plant, Allegan.

Battery charging 50c at Randall's Garage.

For installation of bath rooms and septic tanks on farms and in town. All repair work will be promptly taken care of. Wm. Peterson, licensed plumber. Call 29F21.

3 Good Jersey cows, fresh about 6 weeks and 2 others to freshen soon for sale. L. W. Pullman, first house north Gobles school.

See Frank Roberts for pure linseed oil house paint, \$2.60 per gallon. Fully guaranteed.

Am prepared to do well work of all kinds. Frank Veley.

3-burner Superflex oil stove for sale. Mrs. J. B. Travis.

10 per cent off on all paint and wall paper orders to June 15. Frank Roberts.

Dressmaking, all kinds of sewing and remodeling. Mrs. Carroll Hendricks. 4t

For Sale—Police pups. W. E. Linden, Pine Grove, Mich.

Trade—1927 Dodge sedan for Ford pickup. W. E. Linden, Pine Grove, Mich.

Seed corn for sale. H. S. Sweet. See Stanley Styles.

Electric stove in first class condition for sale cheap. Mrs. Van Ryno.

Four 5-foot roll rim bath tubs, complete with trimmings for sale cheap. William Peterson, Kendall.

Good lot at Brandywine lake for sale. Call at News office.

Horse for sale. See John Beeman.

For Sale: Oak dining room suite, oak bed, dresser, commodes, stands. Mrs. Geo. Houseknecht.

Alfalfa hay for sale. Elmer Simmons.

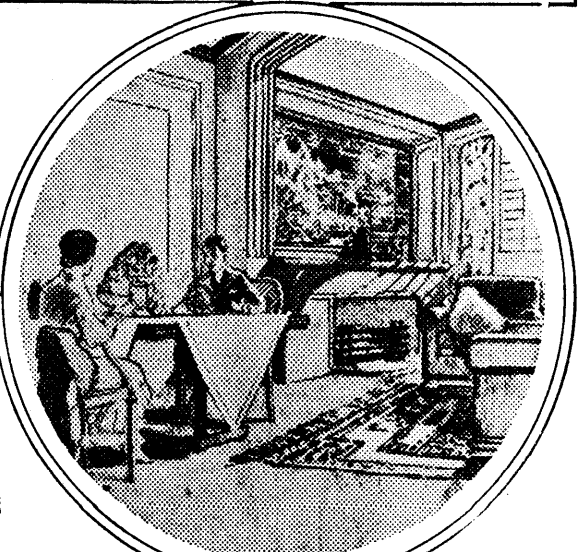
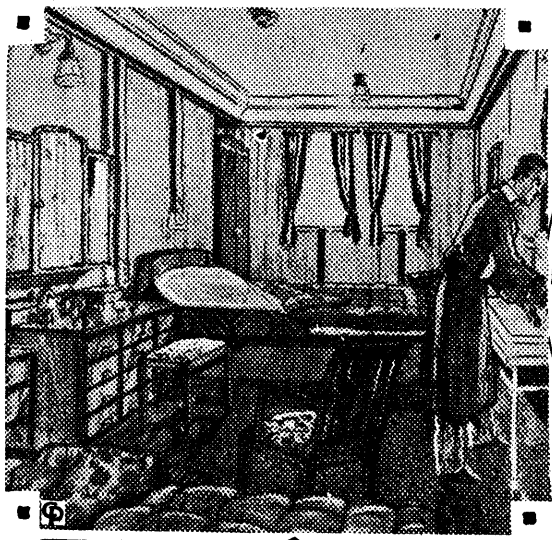
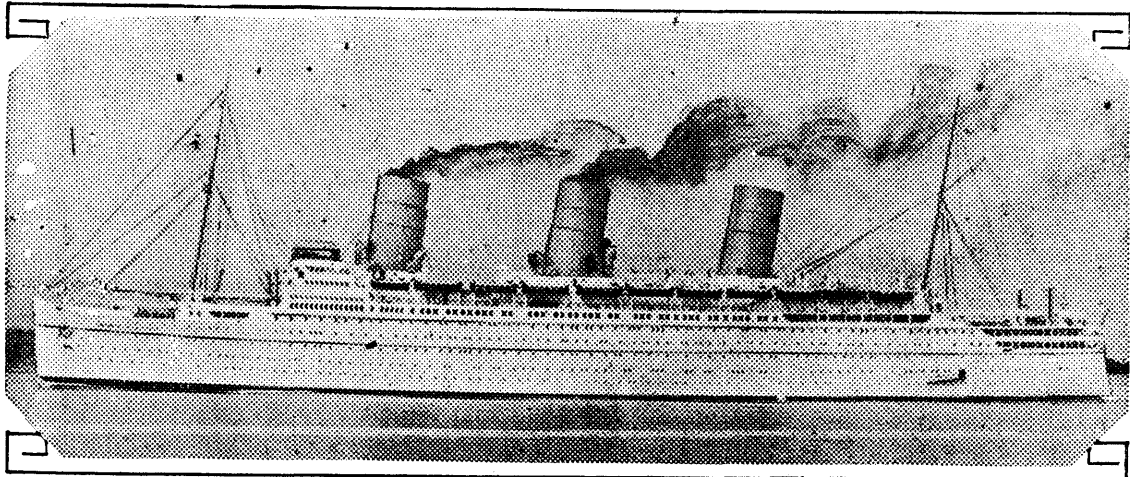
Dunning electric pumps; Hoosier or Aermotor pumps; tanks and windmills; Kohler bath room supplies and reasonable service. Warren W. Goble.

For Sale—Early Jersey Wakefield cabbage plants and mid summer Danish Ball Head cabbage plants 40 cents per 100. Chinese Celery cabbage plants 10 cts. per dozen. L. B. Wooster, across from High School.

School's out and help is plenty to pick cherries. A \$5 bill sets a hundred orchard, cheapest in 50 years, from Gobles Nursery. When times improve and trees jump up again, setting now means crops ahead and a great saving. Trees are kept dormant by re-trenching each 48 hrs. so no white thread roots start. The time to run is when the crowd walks. Even God hates a coward, so let's go to it.

# CAMERA NEWS

## New Liner May Set Speed Mark on Maiden Trip



Great Britain's largest liner to be built since the World war, the Empress of Britain, 42,500 tons, will make her maiden voyage from Southampton to Quebec shortly. It is expected that the liner, which is the most luxuriously appointed of all the British ships, may set a new record for speedy transatlantic crossing since her speed exceeds that guaranteed by the builders and her route across the ocean is shorter than the Europa's or the Bremen's, speediest liners, which also are larger. Above, the vessel under way; left, double room of an "apartment"; right, "apartment" living room.

## Medically Minded, Gets Medal



For outstanding scholarship, Morvyth Joyce Gwendolyn St. Clair McQueen-Williams, above, a premedical student, has been awarded a medal by the University of California. She's from Berkeley.

## Comb Ruins for 45 Victims



Rescue workers are shown anxiously combing the runs of one of the eleven buildings demolished recently in a terrific explosion at the naval laboratory near Rio de Janeiro, Brazil. Approximately 45 workers were killed and many more injured by the terrific blast.

## Blind Air Test



The first wholesale blind flying tests were given recently at the Los Angeles municipal airport under the auspices of the Professional Pilots' Association and supervised by the U. S. Department of Commerce. Army, navy, commercial and privately owned planes were loaned for the tests. Photo shows a pilot undergoing a test in the "wirling chair." The airmen were tested to encourage flying by instruments rather than by eye.

## Twinkling Star



A star on the screen, Marguerite Churchill is not content to rest on her laurels. Since she arrived in Hollywood from her native New York Miss Churchill has developed into a regular outdoor sports girl and is well on the way to stardom on the links.

## ORCHARDS IN NEED OF MORE PRUNING, CLAIM

Additional pruning of fruit trees and shrubs to decrease their water requirements, and the use of mulches to conserve all available moisture are two practices recommended by the department of horticulture at Michigan State college for use in Michigan orchards and ornamental plantings this year.

Woody plants which have received light or moderate prunings should be given an extra pruning immediately. The amount of wood removed should total that taken in heavy pruning. While the yield of fruit will probably be slightly reduced by the amount of wood removed, this loss will be compensated by an extra quality of fruit and by the added ability of the trees to resist drought conditions.

Heavy pruning is contrary to the usual advice given to Michigan fruit growers by the college department of horticulture and is given this year only as an emergency measure which will in some degree assist to carry the trees through a critical period.

Fruit plantations where clean cultivation is practiced should receive sufficient tillage to keep all soil crusts broken up and to kill all weeds.

Materials such as old straw stacks can be used to form mulches around trees or shrubs. This mulch will decrease evaporation of moisture from the soil and will help retain any rainfall. The decay of the material also adds plant food to the soil. In orchards where sod mulching is practiced, the mulch should be cut comparatively early and straw or other material should be used as a supplemental mulch.

The same practices recommended for fruit trees will help ornamental shrubs in dry seasons.

## State Ranks First in Herd Ranking Tilt

Michigan owners of Holsteins stand in first place in the national campaign to improve the breed by a plan of herd classification in which the registration papers of Holstein cows which grade as poor in type are cancelled, according to J. G. Hayes, secretary of the Michigan Association of Holstein Breeders.

More Michigan herds have been inspected and graded under this plan than in any other state. Holstein breeders say that the plan will result in betterment of the breed type as the cancellation of the papers of any cow reduces the animal to the status of a grade and none of her progeny can be registered.

The herd classification plan recognizes six grades of animals, ranging from excellent to poor. Bull calves from a mature cow which does not rate better than fair, the next to the lowest grade, cannot be registered, and all owners are urged to select breeding stock only from the better grade animals.

Prospective buyers of Michigan Holsteins now have two means of checking the values of the animals. Milk production records tell the story of the cow's ability to produce milk and butterfat and the herd classification records show how the animal scores in dairy type.

## Fire Wardens Are Busy Men

The time was when a forest fire warden could look with pleasure at a drizzling rain. It meant probably days of puttering around the house or hanging around the grocery store spinning yarns.

Today wet weather only means that instead of fighting fires he may have temporary relief from the heat of the flames by building fire lines and telephone lines through almost impenetrable woods, constructing bridges, posting fire warning signs along the highways or repairing fire fighting equipment.

Under the present forest fire organization of the department of conservation, the forest fire warden must work every day during the time he is employed. The only difference wet or dry weather means now to a fire warden is that during wet weather he works but eight or ten hours a day and during dry weather when fires are prevalent he is generally compelled to be on the job the entire 24 hours.

During April when a few days of rain permitted cessation of constant watching for and fighting forest fires, fire wardens built several miles of fire lines in northern Michigan, and were able to repair all of the division's private telephone lines.

During the last two years fire wardens built 192 miles of these 18-foot fire lines, partially completed 74 miles and opened 62½ miles of roads and trails through the woods. Nine bridges were built. The men built 110 miles of telephone lines in the two years in addition to their actual fire fighting activities and helped to construct several more fire towers. Other work included repairing machinery and equipment and the posting of thousands of fire prevention signs along the main highways.

"Is your wife economical?" "Sometimes. She has only twenty-six candles on her fortieth birthday cake last night."

## Sudan Grass Makes Good Pasture Crop

Sudan grass which can be planted late in May and pastured in July, August and September of the same year is recommended by the crops department at Michigan State College as emergency pasture crop for those Michigan farmers whose usual pasture fields will not furnish sufficient grass to carry their livestock this year.

Experimental trials with Sudan grass have proved that one acre of it will furnish feed enough for one cow, and this pasture is available when bluegrass ordinarily stops growing each year. The trials made by the college with the emergency pasture crop were conducted on the W. K. Kellogg farm at Augusta.

The crop is seeded at the rate of 20 to 25 pounds of seed per acre. An ordinary grain drill set to sow two pecks of wheat per acre will distribute the proper amount of Sudan grass seed. The seed bed should be prepared in the same manner as for small grains.

Sudan grass can not be pastured after it has been frosted, as it develops a poison which is injurious to livestock.

Another source of pasture which can be used by Michigan farmers are the wheat and rye fields which can be pastured until the heads of the grain begin to form. The low price of these crops and the probable high price of forage crops makes it feasible to turn stock on these grains.

The College Crops department also recommends the retaining of any meadows which will make a fair crop of hay. Indications point to a shortage of forage crops in the state.

## Winners Take Trip To National Shows

Two teams of Michigan boys won trips to national dairy or livestock shows next fall and many other high school students won honors in judging contests held for Smith-Hughes pupils at Michigan State College.

The dairy judging team from the remote high school won a trip to the National Dairy Show at St. Louis by taking first place in placing dairy cattle in the show ring. The other trip winner was the team from Deckerville, which will go to the American Royal Livestock Show at Kansas City. Both these teams will represent Michigan in contests against teams from many other states.

Teams which won first places in other contests at Michigan State were Hart, grain judging; Midland, potato judging; and Holly, poultry judging. The individual winners in the contests represented high schools from nearly every section of the lower peninsula. More than 1,500 boys were competing.

The list of winners included; Dairy judging, 1, J. DeKuiper, remont; 2, W. Pitte, Centerville; 3, N. Dalbee, Mason; 4, A. Hath, Durand. Grain judging, 1, C. Hate, Hart; 2, A. Howard, Marlette; 3, J. Sisung, Monroe. Potato judging, 1, R. Hasbrouck, Leslie; 2, A. McWethy, Midland; 3, C. Warner, Inlay City. Poultry judging, 1, H. Hemminger, Midland; 2, G. Wiltse, Howell; 3, A. Krause, Holly. Livestock judging, 1, C. Williams, Marshall; 2, W. Graham, Augusta; 3, H. Kaiser, 4, E. Dunnett, Ionia.

## Guns Not Worst Enemy of Game

Game in this state has more to fear from lack of food, insufficient cover and bad weather than from the hunter's gun, a survey carried out by the University of Michigan, Michigan State college and the state department of conservation shows; and rearing and releasing of game birds is not sound policy if they are not given conditions under which they may survive and thrive.

Experts were convinced the state could support three times the amount of game it now supports and a preliminary survey of living conditions of game birds and animals was begun in 1922 when Charlevoix county was studied.

So encouraging were the results of this work that an inventory of much of northern Michigan was made later. The experiment now under way near Williamston is the most intensive of all.

A strip of ordinary farming land six miles long by five miles wide is the site of this survey.

Both adult and young birds will be banded here, winter feeding will be studied and the habits of predatory species will be noted. Experiments in crop and cover planting also will be undertaken.

Funds for the study were furnished by the Michigan division of the Izaak Walton league and efficient control is made possible through the co-operation of the Williamston Progressive Hunters' association.

## Leelanau Apiarist Buys 750,000 Bees

A great swarm of bees came to Traverse City, probably the biggest swarm ever to visit the city. That is, it would have made a prodigious swarm if the bees had all kept together. There were some 750,000 of them.

But they came in packages—three pounds to the package—5,000 bees to the pound. They comprised the largest of three shipments from Haynesville, Ala., to James Hilbert, Leelanau county apiarist.

## POULTRY

### RATION AND FOOD VALUE OF EGGS

The common belief among the consuming public that "an egg is an egg" as long as it is fresh is a misconception, according to tests conducted by R. M. Bethke at the Ohio experiment station. Experiments designed to determine the vitamin content of eggs laid by hens which received different feeds and management showed that the vitamin A and D potency of the egg depends primarily upon the management and feed of the hen.

Hens which were kept indoors and fed a ration of yellow corn, wheat, oats, middlings, bran and meat scraps, laid eggs, the yolks of which were only one-fifth as rich in vitamin A as the yolks from eggs laid by hens receiving the same ration but having access to a blue grass range. Similar differences were noted with respect to vitamin D—the yolks from the eggs of the outdoor birds were ten times more potent than those from the indoor birds. Feeding 1 per cent of a potent cod-liver oil in the basal mash resulted in eggs which were approximately five times more potent in these vitamins than eggs from a group fed the basal ration only. Likewise, the feeding of chopped legume hay or meals with the control ration proved beneficial in increasing vitamin A, but had no material effect on vitamin D.

In the light of these results it would be well to obtain eggs for use in hospitals and for infants and children from flocks that are fed an adequate ration and that have access to good outdoor range or receive potent cod-liver oil in their feed.

### COCCIDIOSIS TREATMENT

Coccidiosis is one of the most common and most dangerous chick diseases, and is most serious in flocks of chicks between the ages of 4 and 8 weeks. It is found in chick flocks from 3 weeks of age to maturity, and the disastrous effects are noticeable in many laying flocks. Usually, only a few birds are affected, when it causes lameness and paralysis.

In chicks, the organisms develop in the walls of the ceca (two blind sacs attached to the lower end of the large intestine). The walls become thickened and usually are enlarged, containing enough blood to give them a reddish appearance. Frequently, a mass of grayish or yellowish cheesy material is present.

While many treatments for coccidiosis have been suggested, the milk treatment has stood the test of time and is still the favorite of practical poultrymen. Either the liquid, condensed, or dried milk may be used.

If the liquid skimmed milk or buttermilk treatment is followed, keep the milk before the chicks all the time in sanitary containers. Semi-solid buttermilk, after being diluted with water, may be used in the same way as the regular liquid milk. Usually the milk treatment is not necessary for a period longer than 10 to 14 days.

In feeding dried buttermilk or dried skim milk with a commercial mash, mix 30 pounds with 100 pounds of mash. Feed this mixture for 10 to 14 days after the presence of the disease is discovered in the flock, keeping the mixture constantly before the chicks in hoppers.

Do not feed scratch grains, but water and green feed should be fed. Discontinue adding buttermilk as soon as the disease disappears.

When outbreaks of coccidiosis occur, strict sanitation must be practiced. Confine the chicks to the house when soil sanitation cannot be practiced. Clean the litter each morning. If this is not possible, the litter should be changed at least twice each week. To avoid danger of carrying the parasites into the house through the shoes, rubbers or overshoes should be provided and kept for that purpose.

### LOUSE TREATMENT

Blue ointment and Lard, equal parts, makes a satisfactory ointment for lousy chickens. If you have a large number of fowls you will find treatment by this method very tedious. A more recent method and one that is very satisfactory is nicotine sulfate, called "black leaf 40," which is applied to the perches and drop boards instead of to the fowls. Clean off the drop board thoroughly and late in the afternoon, just before roosting time, apply the "black leaf 40" to board and perches with a paint brush. A repetition of this treatment in ten days is sometimes necessary in very badly infested flocks.

### SULPHUR POOR MITE KILLER

Burning sulphur to get rid of mites (the lice which live almost exclusively on the bodies of chickens) is a very poor treatment. It is much less effective than a thorough treatment with kerosene and kerosene lasts only a week or two in hot weather. Waste oil or crude oil is much more effective, and a coal-tar mite eradicator is best.

### Larger Offerings Draw More Trade

According to a Michigan survey of roadside stands, when the display of fruit is increased from three to thirty bushels, the average weekly sales of the stands jumps from \$20 to \$98. H. P. Gaston of the horticulture department at Michigan State college was in charge of the survey.









