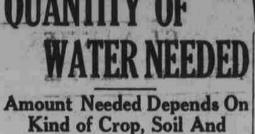
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**Intensity of Heat** (By Elmo G. Harris)

# PART XVI

No definite figures can be given under this heading. Even in arid regions where dependence is entirely on artificial irrigation, the quantities crops, the nature of the soil (especially the subsoil) the climate, and the judgment of the irrigator. In the humid or rainy countries there is the additional factor of the amount and time of rainfall.

The most satisfactory way to express the quantity of water needed for irrigation is so many inches, meaning that the quantity needed (or used) is enough to cover the whole area so many inches deep. From this we get the convenient unit for measuring the large quantities used. This is "acre feet" meaning such a quantity as would cover so many acres one feet deep. Ten acre feet being a quantity that would cover ten acres one foot deep.

Thus if we expect to irrigate a ten acre field to the extent of 6 inches we will need a total of 5 acre feet or if we want to irrigate 3 acres to the extent of 9 inches we must have 2 1-4 acre feet.



THE GUEST

wool and cotton are appropriate for

It is a nice courtesy to take your hot weather, but garments of ali wool harden and shrink in laundering. If hostess some little gift, candy or a the child wears cotton undergarments book. Conform to her plans for enhe may be kept warm by wearing a tertaining you. Be prompt for meals sweater over his cotton dress or and in keeping appointments. When waist.

you arrive, announce the date of your White clothing for children has the of water used varies with the kind of departure and hold to that date even advantage that it may be boiled. But if she politely urges you to stay long- it soils easily, or rather it shows the er. Act as though you are having a soil readily. In buying materials for good time and be cordial with the children's clothing, test the blues, friends to whom she introduces you pinks, and lavenders to make sure Make as little work as possible and they will not fade too quickly. Gingadapt yourself to the customs of the ham should be shrunk before it is family. Entertain yourself a part of made up. It is a wise precaution to

the time to relieve your hostess of a make children's clothing with tucks feeling of strain. or devices for making them larger Respect the property of the house- the next season. The kimono sleeve

hold and do not set medicine or a and wide hem serve this purpose. wet tumbler on a polished dresser, Seersucker and crinkled crepes need

put your feet on the counterpane or not be ironed. Rough materials are mot and should be made with locse If your hostess has no household necks and no sleeves, to avoid chafing. help, assist her with the housework Loosely woven materials are more unless you are sure that she prefers easily washed than tight, firmly woven to do it alone. Pay scruplously all materials.

telephone or laundry bills you have Even in cold weather do not dress Dr. Ritchie's Dream of 30 incurred. When you have left, write a child too warmly. He is more active within twenty-four hours, thanking than an adult and warmer blocded and your hostess for her hospitality. suffers more from being dressed too warmly than too coolly. If he is dress-

ed so warm that he perspires, he is To make good jelly, fruits must con-tain both pectin and acid. Peaches, posed to draughts.

**TOADS INSURANCE** POLICY AGAINST VARIOUS INSECTS

A healthy supply of toads about place is an insurance policy against heavy insect infestation as about 90 per cent of the toad's food consists of insects.

"The common toad is generally recognized as an important enemy of insect pests," says Dr. Z. P. Metcalf, head of the department of entomology at State college. "Those who have studied the habits of the toad have come to the conclusion that insects make up about 90 per cent of its food and the number eaten at a single meal is almost beyond belief. While the toad eats nearly any kind of insect which comes its way, it especially destroys large numbers of cut worms which are active early in the morning and late in the evening, the principal feeding time of the animal."

UNIQUE SCHOOL

Years Ago Coming True;

**458 Students** 

Just across the Georgia-North Caro-

# **Produced By Textile School** of N. C. State College **On Fabrics**

Woven pictures on fabrics produced by the textile school of North Carolina State college at Kaleign are designed by students in the school. Samples of fabrics on which are woven the pictures of O. Max Gardner, governor of North Carolina, John G. Pollard, governor of Virginia, John G. Richards, governor of South Carolina, Bibb Graves, governor of Alabama, L. G. Hardman, governor of Georgia, Albert C. Ritchie, governor of Maryland, and Dr. E. C. Brooks, president of N. C. State college, have been received by The Press.

The woven pictures were designed by students from photographs. The latest Saentis enlarging photographic camera, which is a part of the designing equipment, is used to enlarge the picture on design paper, after which the design is painted and shaded to produce the desired effect.

Any of these woven pictures will be sent to readers of The Press if they will send a stamped, self-addressed envelope to the Textile School, North Carolina State college, Raleigh, N. C.

**IT HAPPENS EVERY** DAY

quantity of water must be applied. tain plenty of pectin, but not enough neck down, should be covered in cold sensor. "Mandy, who is that a-coming cross This will fix the rate of pumping, acid. To make jelly of them, com- weather. Half socks with bare knees known as the Rabun Gap Industrial the field?" bine them with some tart fruit, such are not the proper clothing when school and was founded twenty-seven

the horse power required, and the size of pipes and ditches.

Suppose there is a spring or stream at such an elevation that its water field that is under study for irrigagallons per minute: How many acres can this spring irrigate?

Before this gquestion can be answered we must know: (a) how many the worst drouth; (b) is the water pectin. to be held in a reservoir when not on the 60 gallons per minute only in for about ten minutes before adding ago, we are amazed to see how many, Ritchie, also a university graduate, can wait." time of need? Case (c) will give the sugar. about 1-4 acre foot per day of 24 hours or will give one acre about a 3 inch irrigation per day. If all the give 30 acres 3 inches of water.

to the ground. When water is stored ginger ale may be added for variety. twice as much to live now as then, in a pond evaporation must be taken into account in any careful computation, the amount depending on the records have shown over 100 inches

water is needed to tide over a time, but feel anxious. drouth; 2 inches is equivalent to a It is better to put on a simple very good rain and if the soil is in party and be full of pep and gladgood filth it will readily take in the ness in the affair. One way to do 2 inches (in time of drouth) in a this is to plan a simple menu; an- matoes and a quarter pound of diced working day. The owner must de- other scheme is to get the house cheese. Continue cooking in the cide on how often this should be re- ready the day before and to prepeated. It will depend on the kind of pare in advance as many dishes as cd. crop, the kind of soil, and the in- you can. Do not economize on help tensity of the heat. Observation and at this time, but have someone in the experience must guide in this. Be kitchen who will keep track of the sure of this: Irrigation will not take doings out there, while you are playthe place of cultivation. To get best results the ground shoeuld be cultivated as soon after irrigation as possible except of course in case of as for instance when strawberries are beginning to ripen or when corn is beginning to "silk."

#### THE GARBAGE CAN

Hide the garbage can from sight by circle large enough that you may handle the can with convenience.

apples, cherries and gooseberries.

MAKING JELLY

use towels for cleaning shoes.

commercial pectin, or orange peeling, sturdy vital organs. "inches" will be needed to get thru or mix it with fruit which is rich in

You can save sugar in making jelly

#### COLD DRINKS

It is a good stunt to keep always es, have better food, and wear better water from the spring is held in a on tap in the ice box, a sugar syrup clothing. We spend taxes for comreservoir the flow in a year would as a foundation for cooling drinks, munity paving, lighting, sewage, and a reservoir could be built to hold one famished hubby. Syrup sweetens bet- acles to our great-grandfathers. month's run from the spring it would ter than granulated sugar. To make

amples have we mentioned loss of and set away, perhaps in a bottle in better medical and dental care. We water by seapage and by evaporation. the ice-chamber. To the juice of light our houses with electricity in- per year toward operating expenses. If water is carried thru an earth chan- lemons and oranges, add the juice stead of candles. We spend money nel for any considerable distance a of canned fruit-raspberries, pineapple, for golf, country clubs, automobiles, seven years ago the auditor's report considerable percentage will escape in- cherries or any other fruit. Tea or

#### THE IDEAL HOSTESS

The hostess, who would give joy to humidity, heat and wind. In Arizona, her guests, must have the appearance of being happy at the task. The hosvertical depth taken out by evapora- tess who fusses unduly, undertaking tion in a year. Along the Atlantic too elaborate a menu, and then is all coast it may be almost equalized by worn out and nervous when her guests rainfall on the surface of the pond. arrive, is sure to reflect her spirit meal. Wash a cupful of rice in cold Returning to the question how much and her guests will not have a go d water and cook it in a double boiler

ing with your guests.

hostess; not a servant, fretted by a color it will tint the drink and much care of them. The danger is make it more inviting to the eye as meadows. It will often be the case that we eat too much in our company well as to the palate. Try adding that a single irrigation to the extent meals. The old-fashioned gulttonous mint jelly to lemonade. Mint is a of say 2 inches will fully mature a feast is out of style. Better is the revived flavor just now coming again crop when applied at a critical time, delicious but simple repast with plenty into favor. Our grandmothers apof fruit, a cool or hot drink, dainty preciated it but we had forgotten its sandwiches, wee cakes-and a lot of deliciousness for years. Lime is n jollity.

#### THE CHILD'S CLOTHING

A young child should wear nothing encircling it with wire fencing and -except his shoes which cannot be child's garments. Wool and silk or other foods.

the contrary notwithstanding.

**MODERN BUYING** 

Looking back over the expense ac-

a teaspoon of witch hazel. If the not interfere with circulation. In the uated four years later. He worked have that paper."

tion. The spring or stream yields 60 mixture forms a gelatinous mass, it summer, the nearer the child can go his way through that institution with "There you go putting the burden contains sufficient pectin. If only bare the better. The sun on his body the aim in view of establishing at his on me. If you don't want him to have half of it becomes jelly like, it is de- is health-giving, and the ventilating old home and industrial schol for the the paper, you stay right here and tell ficient in pectin. Add some of the breezes encourage a healthy skin and mountain children. After his gradua- him so. Neither one of us has had

things we buy today which were un-| struggled with more or less success known then, or so expensive as to be prohibitive. We live in better housbuilding was burned to the ground. "Thanks, Si. So long."

Besides this, we buy canned goods, Presbyterian Synod to furnish \$20,000 can our neighbors."

From the small beginning of twentyradios and talkies. It costs about just published shows that the institution now has assets of \$460,508.02. Within the last three years several but the average income is twice as handsome buildings have been con- is hot. large. The important question is: structed including main building, li-

brary, dormitorics and ten or fifteen the fifteen hundred acres now belonging to the school. The school

with source at a bold spring on the mo ntain side 100 feet above the site. big broom and dustpan. The school also has large barns and a fine dairy herd.

The large farm is tended by mounan agricultural expert. The children of these farmers attend school and aid in the farm work.

When Dr. Ritchie started this school money to build one of these homerollment of 458 students.

commodated.

Dr. Ritchie's dream of 31 years ago, went on to say: "If we can get the Ritchie,

"I'll be bound if it ain't that worthas the juice of lemons, grapes, crab- the winds get chilly-the Scotch to years ago by Dr. A. J. Ritchie, a less Ezra. He's right now on his way native of the immediate vicinity. Dr. here to borrow The Franklin Press.' To test the amount of pectin in The child's clothing, as the adults, Ritchie when almost thirty years of "Well, I've got to go and feed the would flow by gravity to a certain fruit juice, put a teaspoon of it into should be loose enough that it will age went to Harvard and was grad- pigs, Mandy, but don't you let Ezra

tion he returned to Rabun Gap and a chance to read this issue yet."

started his school. He first bought "Mornin,' Si. Thought I'd just drap five acres of land and gave his per- over and borry The Press to see sonal note for the purchase price, what's happening in old Macon. being used; or (c) are we to depend and jams, if you boil the fruit juice county of a typical family a century For twenty-four years he and Mrs. Course if'n you ain't read it yet I

"Well, Ezra, neither Mandy nor me in the interest of the poor mountain has read this week's paper yet, but folk. Three years ago the school I reckon you can take it along.

At the same time the buildings of the "Now ain't that just like a man. Nachoochee school in northern Geor- Work and scrape to subscribe for the give 365 acres 3 inches of water. If ready for the chance guest or the schooling such as would appear mir- gia were burned. This latter school county paper and then let any lazy. was a Presbyterian school. After the good-for-nothing in the neighborhood fires the two schools were consolidat- take it away from you. Besides, Si, the syrup, boil together one cup of prepared breakfast foods, oranges and ed and are now conducted as a cor- it ain't treating the editor right. If In none of these arithmatical ex- sugar to two of water, let it cool gas or electricity for fuel. We have poration under contract with the we can subscribe for the paper, so

### HINTS

A rusty screw is hard to remove. To turn the trick-and also the screw -put a little oil on it, or try holding a hot iron against it until the screw

A button hook is a convenient utensil for the kitchen. Use it to draw bungalows for the farmers who tend out the hairs and threads from the brush of the carpet sweeper.

A whiskbroom in the kitchen is has a private water supply system useful to sweep up many small bits when it does not pay to get out the

If your toaster will make only two pieces of toast at a time, slip the evtra pieces, to keep hot, underneath tain farmers under the supervision of the gas flame over which the rest of your breakfast is being prepared.

twenty-seven years ago the number steads at a time, including a barn and of students was less than twenty. The a garden, at a cost of \$2,000, now annual report this year shows an cn- that we have both a man and a woman trained in agriculture and adult This unique school in the moun- education to work with these families, tains of North Georgia draws pupils we can go ahead with, this most from adjoining counties in North original and unique feature of our Carolina, particularly from Macon enterprise. The school also needs a county. It is a school where poor group of cottages for use of the boys and girls work their way. Only teachers so that all the room in the boys and girls of limited means and dormitories may be utilized for the promising personality are admitted pupils. The school needs a modern Each year the school has more can- building to be used as a laboratory didates for admission than can be ac- for the practical teaching of cooking and allied subjects.

The citizens of the extreme western he says, has only partly come true, part of North Carolina, and especial-The school has grown, but there is ly in Macon county, have taken a much yet to do. According to Dr. keen interest in the Rabun Gap-Ritchie the school needs more homes Nacoochee school. They are proud train vines over this. Make the washed. For this reason cotton is put it in a covered dish in the re- for the Family Plan. After talking of the success that has so far atespecially appropriate for a young frigerator, the odor will not reach of his plans for the school Dr. Ritchie tended the efforts of Dr. and Mrs.

**COOLING FISH** If you wrap fish in oiled paper and

much neglected heretofore.

# Are we happier?

# SCOUT RICE

This is the way the Girl Scouts prepare rice for their outdoor meals. Try it on your family for a picnic with three cups of boiling water and three tablespoons of bacon fat. When the water has all been absorbed add two cupfuls of boiling hot canned todouble boiler until the cheese is melt-

THE COOLING DRINK

For variety, beat jelly until it is syrupy and add it to iced tea or lemonade. The mixture will make a

They want you for a playmate, a rare, elusive flavor. If the jelly has other revival of a pleasing flavor, too