station.

levelopment.

# State and Nation Join to Fight Fire

"HE report of a conference on forest telephone communication, as well as fire protection by the various other permanent construction work, to

states has just been issued by the include roads and trails. In all of these federal department of agriculture. This activities the value of co-operation beconference was attended by represen- tween the various agencies was emphatatives from all the New England sized, and it was brought out that effistates, New York, New Jersey, Pennsyl- ciency could be raised and expenses vania, Maryland, Virginia, West Vir- lowered when state, nation, lumber cemetery, church, cranberry marsh, fox ing animals, fifth. In both of these ginia, North Carolina, Ohio, Michigan, companies and private individuals work ranch, marine railway, rifle range and latter classes, too, practically all of the Minnesota, Oregon and Washington.

the section of the Weeks law which the watersheds of navigable streams. that it was best to dispose of this ma-The conference considered not only the terial by burning it under supervision details of carrying out the law, but the when there was little danger from fire. results which the law has accomplished In other cases it was proved to be sufaccomplishment.

The various subjects discussed includ. quickly. ed patrol work, co-operation with priand towers, and the imperative need of fighting organization.

The meeting was called to discuss evolved by all.

It was shown that the disposal of the eral government and the states in pro- elimination of a great source of danger tecting from fire forests situated on from fires. In some cases it was shown 6,000 transactions for the sale of timber, and the promise which it gives of future ficient to lop the branches, so that all would lie close to the ground and decay

In the discussion of actual fire fight vate owners of timberland, and co- ing it was pointed out that the secret operation with other protective agencies of the suppression and control of fires and with railroads. The conference is in the woods is not essentially differsaid to have established beyond a doubt ent from that in the city, and lies in the great value of fire lookout stations having a trained and dependable fire-

## Bees Advised as Money Makers

BEE keeping is the one line of bees," advised Mr. Rausch, "do not work with insects that is not try to take work with insects that is pro- try to take care of more than two or fitable," said Leonard Haseman, three hives, for they will increase as

Missouri university. "The bee is im- care of them." portant, not only for its products, but Emil J. Baxter, a fruit grower of Nauhelping polinization. belping polinization. helping polinization.

should not be disturbed when there is good colony by the time the blossoms no need of it."

J. W. Rausch of Mexico, Mo., who "The secret of keeping the bees from has had about thirty years of work with swarming is to give them room. Durbees said: "You haven't anything on ing the fall see that the bees have the farm to pay as well as bees do for enough food to last all winter. Use the time spent on them. There are sugar syrup if feed is scarce, but never 40,000 beekeepers with 200,000 colonies use honey unless you know just where of bees in the state, and they produced it came from, because it may contain last year honey worth \$1,500,000. It degrees the germs of some disease dangerous to

"If you are just beginning to keep bees.

assistant professor of entomology at the quickly as you can learn how to take

"The hive is the bees' home," con-tinued Professor Haseman; "make it as convenient as possible. The bee are out.

#### states in the umber of these special use give a reasonable return for that use. permits, followed by Arizona, Colorado, If, on the other hand, farmers want to

Verses Grave and Gay in Tone

Forest Lands Put To Many Uses

named. The largest single class of per- phone lines, irrigation works and schools, mits was for special pastures, or corrals, the government gives them that use to be used for lambing grounds, shear-

A LMOST every conceivable use to ing pens and the like. Next came rights which land may be put is repre- of way for conduits, ditches and flumes, sented in the permits reported by practically all of these being free. Varithe forest service for special projects ous agricultural permits come third, teleon the national forests. Some of the phone lines fourth with more than a uses shown range, alphabetically, from thousand permits for 6,500 miles of line, apiary through brickyard, cannery, and drift fences for the control of graztogether in accordance with a plan turpentine still, to wharf and whaling permits are free. Reservoirs for which more than 600 free permits were issued There are 15',000 permits in force for the occupation of more than 100,authorizes co-operation between the fed- slash left after lumbering means the for such special uses, which are dis- 000 acres come sixth. The rest of the tributed geographically from Alaska to uses are not classified though there are the Mexican line, and east to Florida. a large number of apiaries, camps, sum-This figure does not include any of the mer hotels and schools. The use of the 7,000 permits in force for grazing cat- government's lands for schools is given

tle and sheep on the forests; nor the free; for hotels a charge is made. The principle which governs the and the more than 38,000 permits issued charge is based, according to the forest last year for the free use of timber by service, on whether or not the use of settlers, miners and others in develop- the land is sought by the permittee for ng their homesteads and claims; nor a commercial purpose. If it is the inhe nearly 300 permits for water power tent of the user to make money from a resource which belongs to the whole California led all the national forest people, the service holds that he should Montana and New Mexico in the order use government land for their own telewithout cost.

#### WHERE DID IT GO?

What became of the Star, the Bethlehem

That was followed by kings and sages is they journeyed o'er desert and mountain far

To find the Pearl of the Ages?

In the first sweet Christmas dawn, When they sang to the world of the world's

Ere the night from the hills had gone?

Did it suddenly vanish into space. Blown out, when its golden ray Had bathed in glory the lonely place Where the Child and Mother lay !

Oh! Star that over the manger stood

Still shine in the heart of Mother and Child,

Oh! Bethlehem Star, through pain and loss Still over the cradle shine. And comfort us if a shadowy cross

Then I pick out a bud or two And one half-opened daffodil.

The last gift, and all it may bring. It is mine! —Mary Carolyn Davies.

BELLS.

They check us on the grovelling way-A gauntlet thrown, a challeng, hurled, Music is smitten out of clay. The Spirit breaks out into the world.

Out of the metal cold and dumh Man calls a soul, a singing bird; What may he himself become

The vacant bells hold hidden chimes, So secret is Emmanuel; Oh, heed the lesson, learn betimes

Of Angelus and sacred bell.

Oh, heed and kneel, for every morn Great Gabriel comes down from Heaven, Of you a Child would fain be born, To you, to you a Son be given.

With a cabin boy, and the boy was I-f a pirate crew on the Spanish Main-Of a clipper ship on the seaway high With a cabin boy, and the boy was I Just as it used to do.

Saved by a prince from a hydra-bead That lurked in the corn that towered high— And the girl was Sue, and the prince was I— Just as it used to do.

I wish the kettle would sing again,

I wish the kettle would sing again, Just as it used to do. The lyrics it crooned and the tales it told— But the hearth is chill and the years are old; The fancies it whispered have all taken wing, And never again the kettle will sing, Just as it used to do.

-John D. Wells.

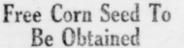
The heavy storms in Southern California during the past rainy season wiped out many miles of trails in the National forests of that part of the state. They are now being re-built for the coming summer, for use in fire protection. They are also of great use to tourists, campers and prospectors

# **Control Smut With** Formalin

NUMBER of cereal smuts carry their spores over the winter on the outside of the grain. The spores germinate in the spring at the same portions, R. B. Miller, general traffic time that the seed germinates. Hence manager of the O.-W. R. & N., is sendthe sprouting seed is infected and later, ing out twenty-four pounds of aceli

the manner described above: Stinking smut or bunt of wheat, loose smut of unfilled,'' says Mr. Miller, ''justifies It is mine! oats, heknel smut of oats, covered smut the belief that interest in corn raising of barley, smut of rye, kernel smut or has become general, and interesting desorghums.

In such cases as these, where the distributed by our line represents only spores are carried over on the outside a small amount of the acreage planted." the formalin dip or The fruitage of the planting is to be OT. STRID. sprinkle is to be recommended as an shown at a corn show to be given in entirely satisfactory control measure. December, and the company has hung Formalin (a 40 per cent solution of up each prizes of \$500, with smaller formaldehyde gas in water) may be trophies in addition, for the best dis obtained fro mthe drugist in one pint plays. The awards will be divided for (about one pound) lots. corn grown on irrigated and non-irri-



NSISTING that corn for ensilage can be grown in Fred be grown in Eastern Washington and Eastern Oregon in large prowhen the head is formed, its grains be- mated corn seed to each applicant from come "smutted," says W. W. Robbins his offices in Portland. This lot is suf of the Colorado Agricultural College. ficient for two acres. "The amount of The following cereal smuts behave in corn already furnished this year and Life is a wonderful thing

velopments may be expected. The seed

Spring holds her hands outstretched until

Death is a wonderful thing

In foundries of the Eternal Word ?

Anna Bunston.

### THE KETTLE'S SONG.

## I wish the kettle would sing again, Just as it used to do. I wish it would sing of a lion slain-Of

Just as it used to do. Of a litle girl in a bonnet red,

The night when Christ was born, When the Only Potent, the Only God Came down to this world forlorn.

Wherever love reigns and sings, And the face of a little one undefiled Hath that which may conquer kings.

BARGAINS.

Spring spreads her pedlar bags to view And bids us choose what choose we will

I pay her for the flowers, and go, I gave Spring all my heart; but still I haven't half paid all I owe.

### MINE.

And it's mine, mine, mine

Use one pint of formalin in about gated land, with special prices for boys forty-five gallons of water. This amount under 18 years of age. will treat at least forty bushels of grain. Mr. Miller contends that should Wash

grain into the solution several times, the possibilities of the soils in corn until quite sure that all parts of the lot growing, this state would within a few have been reached. Allow it to drain, years not only raise enough beef for and cover for twelve to twenty-four surplus for shipment to other markets. hours, then remove the cover and let the

grain become thoroughly dry. Instead of dipping, the grain may be spread out on a clean floor, canvas or wagon box, and ducts laboratory in connection with sprinkled with the solution as prepared McGill University of Montreal, on the above. Mix the grain and formalin thor- lines of the United States institution oughly by turning the grain over and of the same sort at the University of over as it is being treated. Then cover Wisconsin. for twelve to twenty-four hours, after

which time it should be spread out in a thin layer and allowed to dry.

Dip about half-bushel amounts of the ington farmers rtoate crops and develop

Canada has established a forest pro-

.

### Dairying and Ecet Growing

N MANY sections of the west, dairy-| more money to be made in beets than in farmers prosperous, says A. E. M., in ing as a more intensive line. As with nets supplement each other nicely. fication and rotation were necessary. to restore nitrogen. Alfalfa would give source of their daily living.

ing and beet growing seem to go to grain. Beet tops and low priced beets gether almost perfectly in making the made excellent cow feed. Beet fields Kimball's Dairy Farmer. Originally made profitable places for the disposal some of the farmers were grain growers of barnyard manure. The income destrictly; then they took up beet grow- rived from beets and from dairy prod-The all other crops they found that diversi- lump sum derived from the beets in the fall is very useful in paying off the Under the single crop plan the yield mortgage or to meet any large obligaspread out on a clean floor or canvas, its own consumption, but would have a gradually decreased, diseases came in, tion. The regular weekly or monthly the quality of beets was lowered. Dairy check for milk products keep the faming offered the diversification needed. ilies in plenty or very nearly in luxury Alfalfa was the legume crop needed and relieves them of all worry as to the Really its greatest returns when fed to dairy this latter is one feature of greatest cows. Alfalfa pasture and a year of merit in favor of the farm dairy. At grain with a covering of manue from one place farmers were paid last year the cow yard would restore the produc- \$50,000 by the sugar factory and \$70,000 tiveness of worn out beet fields. On the by the milk condensory. The immense other hand natural evolution has chang- satisfaction and security brought by the New Jersey is said to have the greatest ed some former range men into dairy- regular checks from the condensory a thin layer and allowed to dry.
The highest mountain in Montana, Granite Peak, with an abitude of nearly 13,000 feet, in the country, or eac mile of railroad to terry three square miles of territory. This makes an unusual risk of forest fires set by railroads.
Mee Bearwooth National forest.