State and Nation Join to Fight Fire

*HE report of a conference on forest telephone communication, as well conference was attended by representatives from all the New England sized, and it was brought out that effi-Minnesota, Oregon and Washington.

The meeting was called to discuss the section of the Weeks law which authorizes co-operation between the fed-slash left after lumbering means 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 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.

and the promise which it gives of future ficient to lop the branches, so that all accomplishment.

In the discussion of actual fire fightvate 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

fitable," said Leonard Haseman, three hives, for they will increase as assistant professor of entomology at the Missouri university. "The bee is important, not only for its products, but also for its aid in producing fruit by helping polinization.

"The hive is the bees' home," continued Professor Haseman; "make it in connection with an orchard. To

tinued Professor Haseman; "make it in connection with an orchard. as convenient as possible. The bee raise bees successfully, always have a should not be disturbed when there is good colony by the time the blossoms no need of it."

last year honey worth \$1,500,000.

"If you are just beginning to keep bees.

Control Smut With

Formalin

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

J. W. Rausch of Mexico, Mo., who has had about thirty years of work with bees 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 beckeepers 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 the germs of some disease dangerous to

Free Corn Seed To Be Obtained

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 aceliwhen the head is formed, its grains become "smutted," says W. W. Robbins his offices in Portland. This lot is sufof the Colorado Agricultural College,

the manner described above: Stinking the large number of applications still smut or bunt of wheat, loose smut of unfilled," says Mr. Miller, "justifies cats, beknel smut of oats, covered smut of barley, smut of rye, kernel smut or has become general, and interesting de

spores are carried over on the outside a small amount of the acreage planted. of the grain, the formalin dip or The fruitage of the planting is to be (about one pound) lots.

forty-five gallons of water. This amount under 18 years of age. will treat at least forty bushels of grain

Dip about half-bushel amounts of the grain into the solution several times, have been reached. Allow it to drain, years not only raise enough beef for Under the single crop plan the yield mortgage or to meet any large obligation 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 and cover for twelve to twenty-four surplus for shipment to other markets. the quality of beets was lowered. Dairy check for milk products keep the famgrain become thoroughly dry. Instead of dipping, the grain may be spread out on a clean floor, canvas or wagon box, and sprinkled with the solution as prepared McGill University of Montreal, on the above. Mix the grain and formalin thoroughly by turning the grain over and of the same sort at the University of over as it is being treated. Then cover for twelve to twenty-four hours, after which time it should be spread out in a thin layer and allowed to dry.

Peak, with an altitude of nearly 13,000 feet, in the Beartouth National forest,

their spores over the winter on the outside of the grain The ficient for two acres. "The amount of The following cereal smuts behave in corn already furnished this year and the belief that interest in corn raising has become general, and interesting developments may be expected. The seed distributed by our line represents only the last gift, and all it may bring.

It is mine!—Mary Carolyn Davies. In such cases as these, where the distributed by our line represents only

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 cash prizes of \$500, with smaller formaldehyde gas in water) may be trophies in addition, for the best disobtained fro mithe drugist in one pint plays. The awards will be divided for corn grown on irrigated and non-irri-Use one pint of formalin in about gated land, with special prices for boys

Mr. Miller contends that should Washngton farmers rtonte crops and develop the possibilities of the soil in corn ntil quite sure that all parts of the lot growing, this state would within a few fication and rotation were necessary. fall is very useful in paying off the

> Canada has established a forest products laboratory in connection with lines of the United States institution

Forest Lands Put To Many Uses

A

tle and sheep on the forests; nor the free; for hotels a charge is made. last year for the free use of timber by service, on whether or not the use of settlers, miners and others in developng their homesteads and claims; nor a commercial purpose. development.

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 Montana and New Mexico in the order use government land for their own telenamed. 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 without cost.

LMOST every conceivable use to ing pens and the like. Next came rights 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 conference was attended by representation work and trails. In all of these conference was attended by representation work, to sented in the permits reported by practically all of these being free. Various activities the value of co-operation between the various agencies was emphasized to the forest service for special projects on 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, states, New York, New Jersey, Pennsylvania, Maryland, Virginia, West Virginia, Morth Carolina, Ohio, Michigan, companies and private individuals work ranch, marine railway, rifle range and latter classes, too, practically all of the ranch, marine railway, rifle range and latter classes, too, practically all of the together in accordance with a plan turpentine still, to wharf and whaling permits are free. Reservoirs for which evolved by all. There are 15',000 permits in force for the occupation of more than 100, for such special uses, which are disthe 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 tho 27,000 permits in force for grazing cate government's lands for schools is given

3,000 transactions for the sale of timber. The principle which governs the and the more than 38,000 permits issued charge is based, according to the forest the 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

Verses Grave and Gay in Tone

WHERE DID IT GO?

Star,
That was followed by kings and sages
As they journeyed o'er desert and mountain
far

Did the angels quench its torch of fire, In the first sweet Christmas dawn, When they sang to the world of the world's

To find the Pearl of the Agent

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 plac Where the Child and Mother lay?

Oh! Star that over the manger stood The night when Christ was born, When the Only Potent, the Only God Came down to this world forlern.

Still shine in the heart of Mother and Child, Wherever love reigns and sings. And the face of a little one undefiled Hath that which may conquer kings.

Oh! Bethlehem Star, through pain and loss Still over the cradle shine.

And comfort us if a shadowy cross

There glimmer in faint outline.

—Margaret E. Sangster.

BARGAINS.

Spring spreads her pediar bags to view And bids us choose what shoose we Then I pick out a bud or two. And one half-opened daffodil.

Spring holds her hands outstretched until I pay her for the flowers, and go, I gave Spring all my heart; but still I haven't half paid all I qwe.

Life is a wonderful thing
And it's mine, mine, mine!
A rose, and a song, and spring!
It is mine!

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

Out of the metal cold and dumb Man calls a soul, a singing bird; hat may be himself become In foundries of the Eternal Word?

The vacant bells held 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 horn,
To you, to you a Son be given.
—Anna Bunston,

THE KETTLE'S SONG.

THE REPTLE'S SONG.

I wish the kettle would sing again,
Just as it used to do.

I wish it would sing of a lion slain—
With a cabin boy, and the boy was I—
Of a clipper ship on the seaway high
With a cabin boy, and the boy was I
Just as it used to do.

Just as it used to do.
If a litle girl in a bonnet red,
aved by a prince from a hydra-head
hat lurked in the corn that towered high—
nd the girl was Suc, and the prince was I—
Just as it used to do.

I wish the kettle would sing again,
Just as it used to do.
The lyries 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. Walls

John D. Wells.

The heavy storms in Southern California dyring 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 summor, for use in fire protection. They are also of great use to tourists, campers and prospectors. protection. They are also of tourists, campers and prospector

Dairying and Beet Growing

ing as a more intensive line. As with nets supplement each other nicely.

liveness of worn out beet fields. On the by the milk condensory. New Jersey is said to have the greatest ed some former range men into dairy regular checks from the condensory proportion of railroad mileage of any state men. Elects as a crop bring them a nice made the \$70,000 from that source lump sum of money appealed to them, equivalent to twice as much as the week three square miles of territory. This makes an anuffal risk of forest fires set by railroads.

ing and beet growing seem to go to-gether almost perfectly in making the made excellent cow feed. Beet fields farmers presperous, says A. E. M., in made excellent cew feed. Beet fields Kimball's Dairy Farmer. Originally made profitable places for the disposal ome of the farmers were grain growers of barnyard manure. The income destrictly; then they took up beet grow- rived from beets and from dairy prodall other crops they found that diversi- lump sum derived from the beets in the The regular weekly or monthly ing offered the diversification needed lilies in plenty or very nearly in luxury Alfalfa was the legame crop needed and relieves them of all worry as to the to restore nitrogen. Alfalfa would give source of their daily living. 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 product \$50,000 by the sugar factory and \$70,000 The immense other hand natural evolution has change satisfaction and security brought by the

uten scald brus ough that

> In parts

outp

not

with

ing

with

squa

good

not

ber

E

supp Warn wash supp scald is av cold Th main utens dries

Br and t Us Do Do Re ly af

crean

38 PH

crean

Co

be to

befor

pure

Ke liver Sej than more

lesse: amou Ke erear W In th or b De