the centre reporter, oyntre hall. pa

## Every Tree a Wireless

Potential Telegraphy in Nature's Growhb bs Revested by Amy Officer
Discovery that every tree is a potential wireless tower was announced recently by Major General Squier, chief signal officer of the army, reveal-
ing another war secret and telling the story of how, while hostilities were on, the American army, with a string of stations using tree top as antennae, re
radio stations.
General Squier made his disclosure in a paper read before the Phys-
ical Society of America, meeting in Washington, D, ical Society of America, mee
States bureau of standards.

Afterward he took the scientists out into the woods near the burean and demonstrated a portable field lab
He showed how nature's wireless
tall tree, preferably eucalyptus, with a small wire netting spread below and an insulated wire hanging from a spike driven near the top. Squier, "it becomes a 'detector' and a 'receiver' of electro-magnetic waves, and the marvelous properties of this receiver, through agencies at present entirely unknown to us, are such as to vitalize the acorn and to produce
in time the giant oak. In the power of multiplying plant cells it may in time the giant oak. In the power of mu

MY CATBIRD
$\$ 15.946,000$ Lent to Farmers During the Month of March;

During March $\$ 15,946,000$ was lent to 4, 430 farmers by Federal Land Banks
on iong-time first mortgase, aceord-
in to the monthly statement of the
 cral Land bank of St. Paul r
ond in amount, $\$ 1,893,200$. The other banks closed loans as fol-
Hows: Houston, $81,838,000 ;$ Spokan S1,508,000; Loulsville, $\$ 1,142,000$; St 8023,000; Wichita, $\$ 775,000$; New Or
leans, $\$ 741,000$; Berkeley, 8547,000 ; Spring, $\$ 336.000$.
more,
mortgage loans since the establish-
ment of the federal land nonks was ment of the federal land banks wa
$\$ 198,800,000$ with 70,949 borrowers. A. together 185,043 have applited for lon,
under this system, aggregnting $\$ 192$,
066,733 . Gets 125 Bobcats and 200 Coyotes in Three Years With a record of 125 bobcats and
200 coyotes to the credit of a North Yakima (Wash.) government trapper
operating in the mountalns and valleys of that region, It is estimated 000 head of sheep and 80,000 game birds in the past three years, Basing
Cheir estimate on the known destruc. tiveness of these wild pests, the money
value of the stock saved is computed
by the value of the stock saved is computed
by them at $\$ 200000$. The fur of the
bensts killed or trapped was worth
sian

a secret organization.
A man of ripe experience is
ton wise to monkey with green Every time a battle is fought
another scrap of history is made.
When a man ts much depends on what or whom



| Inexperienced Man Can |
| :---: | :---: |
| Make Good as Manager |
| of a Big Baseball Club |



## Mother's Cook Book.



KEEPING BOOKS ON THE HENS

## These days, knowing the hen's ex- net board bill ts next tio importance to knowing her exact production of

 egss in a given length of time. Sometesting work carried on by the Obio experimental station with a flock of
24 Leghorn hens for three years has
turnished valabble dato Curnished valuable data on the amount
of feed consumed by a flock of layers
when kept untll three years old, and no less important is the number of eggs these hens lald
years of their lives.
Thts flock of Leghorns wns fed a
fairry well-balanced ration of mixed
grains and dry mash, contaning meat grains and dry mash, coutaining ment
scraps, also green feed, shell and grit,
The hens consumed an averag The hens consumed an average of
$1741 / \mathrm{p}$ pounds of grain and mash dur $1743 /$ pounds of grain and mash du
ing the three years, from Novembe
24,1912 , to October 6 , 1915, ing the three years, from November
24,1012 , to october 6 , 1015 , which du
ing that period cost 8.27 per hen. T in
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The Cleveland Indians belleve they have the best backstopping lineup ing
either of tie mandor leagues. The trio are Lees Nunarnaker, who was obtained
fromn St. Louts for Josh Billings; Steve ONNelll nnd Chet Thomas.




## sustanned a fractured ankle in Cuba and the deal colitapsed. "Ist golng to be a great year for baseball, said the young surgeon, "and Ia like to get

## PITCHER LUQUE LOOKS GOOD

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## HARD HITTING COMBINATION



Cy Willams continues to pound the
ball vigorously for the Phillies.
The Washington Americans are try-
tng out a new shortstop named Davis.

## The Glants certainly have a very tmpressive outteld as regards batting Joe Leonard puts plenty of pep in a game when be is working on the

If Johnny Lavan comes back the
Waxhington Lnifield should do some
regular clubbing.
$\qquad$
Butch Heniline, Indianapolis catcher
has been sotd to the Bloomington clut
of the Three-I league.
The Roston Red Sox have turned
young Pat Shea orer to Newark, but
he expects to be bacts George Tyler, one of the star Ieft-
anded pitchers of the Chicago Cubs. Patas Flaherty of the Colonels has
vent Catcher Diegen to the BirmingThe national commission has reln-
tated Normal Plitt, picher., who quit
quit Early season counting makes many
spring buds, but as the pitchers rouni Harink. Harry Har of the Washington
Americans gets the credit of being the frst pitcher to
Boston Red Sox
May of the St. Louis Cardinals was
the frot National league pitcher to
Pat Moran's fine start in Cineinnats
INreatens to bring trouble to the wise
old mangaer. for Rediand bugs turn
over night when to
Honus Wagner, forner Pinte star,
Who was offered a beth with the
Loutsville clab in the American As-
soclation, says be will stick to his job
as athetic director at Caraegle Tech-
as athletic ${ }^{2}$
pittisburgh. to be about the strongest theting con
obnation in ether of the two majo
teagues.


IVAN OLSON IS MOST RELIABLE AS PLAYER

Commences His Fifth Season With Brookiyn superbas.
 Inson's Most Able Lieutenant
-Faster Than Ever.

This ts Ivan Olson's ninth season

 Fas walved over to Brooklyn in the
midast of the 1915 season.
When Olie When Olie went back to California
ast September he got himself a Job
with an oil concera in Los Angeles
That was a sort of hiatus in his life
other years he winted in the
Pacifc Coast league or hunted or or some
 They had a ball team in that oll
Concrn and olle Joined concern and Olle Joined it that oll
traine times a week and playing Sun.
days when the thaluenza ban was not in force His bant paying mid steady
Work had a remarkable effect. It put
Oison in the best condition he ever
wns in his long career on the diamond, and that career on the dla-
he broke from wisth Muskoge of the
Three-Ese league Tolay, at the nge of 34 , when most
inflelders are slipping. Try is one of thelders are slipplng, Ivy is one of
Brooklyn tellable players on the ke knows beseball
Bromel
 the splendid effects of that whinter
training by his brilizant all-around
work, and should colt work, and should continue at top
sperd for some time to come. His
fielding is better than to aelding is better than ever, he is hitting harder and is faster on the bases.
His conching of the other tifiliders
and the pitchers while a game is on
ts another valuable asset. Ivy has the distitiction of being the most hoos.
sistently "panned" player Brockyn
ever had. but he has thrived on the
panolng LARRY SUTTON WITH COOMBS Scouts signs to Dig Uo Playera
for Phill

Larry Sutton, one of the best-known to dig up new plasers for the contrict
Thilteal Sutton for many yenrs was the Brook
lya clubs scout and was the discov-
ecer of Deubert Whet erar of Daubert. Wheat and other
noted playerk. He acted in a similar
cupacty for the Cinclinnasi Reds two sears ago. $\begin{aligned} & \text { sutton } \text { nad Jack Coombs are old } \\ & \text { friends. The former recently recom- }\end{aligned}$
 progress, Coombs declded the steater
day to let Sutton put ou his gum shoes
for a tour of the minor leagues
to for a tour of the minor tengues later
in the seasoh.

