## VOLUME THIRTY-FOUR GOLDTHW RAPID PROGRESS BEING MADE ON STATION KGKB <br> length of a wave is the distance

 and their measurements some
radio listeners still fail to unde stand the why of wave lengths
and kiloeycles, and it is the and kiloeycles, and it is the
purpose of this article to ybrie diseuss the question so that it can be understood.
In m the first place, radio $^{\text {fin }}$ - maves are nothing but eleetronations, changing direction, or alternating from one direction of sped that they have a great - penetrating power. This applie light mains, a curent changing direction 120 times in a second, as that of
the city mains does, and 1,500 000 times per second as in station sending on a wave leng
th of approrimately 200 meters, you can readily see that the
 Now if we send out one wave
each second, that wave will have traveled $299,820,00$ meters
before the next wave starts, because that next wave starts, be the they trav-
el. Now if we double the fre. quency, that is, send out two
waves per seocnd, the first
wave will have traveled only wave will have traveled only
half the distance when the next
wave starts so we wave starts so we will be using
a wavelength of $149,910,000$
meters. This shows that the
 the frequency. $\mathrm{T}_{0}$ find either
one, divide $299,820,000 \mathrm{by}$ the onter. Dividing speed by wave.
length we find the number of l waves sent out, or frequeney by rrequeney in cycles we ind
the legth of each wave in
meters. As kilo mean 1,000 , we drop the last three zeros of the
speed, leaving 299,820, and also


## and write. This brin

This brings us down to
quastion of the erowding
station ot stations at the lower end of
dial figures. The broadcast band runs from approximately 200 meters to about 500, but for conveniene we will say 600.0 O
the dials that will be four meters to the mark, or 400 for the
0 -to- 100 dial. From 1 to 20 on the dial would be from 200 to 280 meters ; 20 to 40,280 to 360 ;
40 to 60,360 to $440 ; 60$ to 80 , 40 to 60,360 to 440,60 to 80,
440 to $520 ; 80$ to 100,520 to 600 meters.
mission has spaced the Com mission has spaced the broadcast stataons 1,000 cyces, or
10 kilocycles apart. So we convert the wavelengths into kilo
cycles, giving the dial a range of $1,49.1$ to 499.7 kes, or we
will say 1450 to 500 . From 200 to 280 meters this would be a ange of approximately 379 kes , ly 38 stations from 280 to 360 meters, 239 kes or 24 stations; tions; 440 to 520,103 or 10

$|$| TO THE PEOPLE OF MILLS |  |
| :---: | :---: |
| COUNTY | $\begin{array}{c}\text { MRS. MINNIE FISHER } \\ \text { CUNNINGHAM TO SPEAK }\end{array}$ |
|  |  |


Virgil Priddy, 1st Vice Presi-
dent, Mrs. F. P. Bowman, 2nd Cairman of Precinct 18 W. A. DANEL;
Kemp, Recording Secretar
Mrs. Ben Forehand, Corr

In observance of Natio
a piano recital at the Baptis
10 th at 8 o'elock.
Musie Store.
PROGRAM
MYSTERY MAN COMINa|

 ed home grounds. The pietures
must be sent to Mrs. Peden by must be sent $t$ to Mrs. Peden by
July the 15th as the short course is to be held in August.
2. Will award $\$ 10.00$ in go to the rural girl or boy, from
12 to 16 years of age, who writes the best artialy on "The
Benefits and Pleasures to Be De
rived from Farm Life." The arrived from Farm Life," The ar-
ticle must be sent to Mrs. Peden
by the 15 th of October. The win by the 15th of October. The win
ner will be announced at the
 There will be a play at the Midway school house Friday night, May 11, entitled "A Poor Married Man.' Everyone invited. No admission will be
charged.



opular contest. $\$ 7.50$ cas
rizes offered to the pretties
Photograper will call next
week and photograph all the
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COLLECTING BOOKS
The Missionary Society
the Methodist Church are col
lecting old books and maga
zines. They will appreciate an
old books you are going to
throw away. If you will notify
Mrs. Eli Fairman or Mrs. L. I
Conroe
them.
Mr. and Mrs. T. M. Curry
Blanket were here Friday vis
Mrs. W. D. Fuller.
Miss Stella Moore of Blank
pent Thursday and Friday
last week here a guest of Mis
Lois Fuller.
not been out in interest of my
campaign for County Treasur-
not been out in interest of my
campaign for County Treasur-
not been out in interest of my
campaign for County Treasur-
oom with flu. Then mothe
oom with flu. Then mothe
ive weeks. She is not up yet
ive weeks. She is not up yet
know when she will be able fo
know when she will be able fo
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impossible for me to make
me to leave her and it will b
impossible for me to make
house to house canvass.
house to house canvass.
Please remember that I an
Please remember that I an
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reciate your and wit
you see fit.
you see fit.
Respectively,
Respectively,
Mrs. Eli Fairman or Mrs. L. F
$\begin{aligned} & \text { to the rural girl who shows - } \\ & \text { by means of pietures taken be- } \\ & \text { fore and after improving-the }\end{aligned}$
BABY SHOW AT DIXIE most attractice approach to her
farm home, and the best improv $\begin{gathered}\text { The David Photo Company } \\ \text { will show baby pietures i }\end{gathered}$





Tell your friends to come and join in a real old time sing. This is for everybody. You are urged to come and lift your voices to God in song.
-PROGRAM-
Prayer Bro. Dance
Songs Congregation
Music, What It Means to the Spiritual Side of Life _-_-_ Mrs. Sam Sullivan Songs
Reading, I Am Music Mrs. Ira Dance Songs Methodist Glee Club Music, As Pertaining to the Child in the Home Mrs. Roy Rowntree Bedsae Twins Songs ___ Frank and James McCravy Songs

Congregation
Prayer
(This program is sponsored by the L. J. Gart man Music Store, Goldthwaite, Texas)

Dixie Theatre, Saturday May 12, 2:30 P. M.
The following program will be present ed at the Dixie Theatre on Saturday after
noon, May 12, at $2: 30$ p. m.
Selections
-PROGRAM- Goldthr

Moving Picture $\quad$ Goldthwait e Band
Fifty Years Ago __Old Time Mills County Fiddlers.
Forty Years Ago
Old Virginia Reel
Fox Chase, French Harp
Vocal Solos, Guitar and Violin Joe Porter ment _-_ Mr. and Miss McMurray
Baby at the Piano Katherine Fairman
Music and the Child
Piano Solo: Aileen Martin Mary Ellen Trent Ford and Glenn
Music of Today, Charleston Songs

Gene Austin
Admission
(Sponsored By F . J. Gartman Music Store)


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stop that fever. "There'll Be No Regrets.".
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[^0]

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