Mip and Submarine Passage W atudying the possibulittes of dispatching war fleets, including submarines, across the "top of the worla," through
the Aretic ocean from Europe to the the Aretic
Far East.
The 400 -year-old dream of thls new:
route to the Indles has come true, according to announcement by the Soviet to the Pacific, along the northern coast of Siberta, is now on a practical basis. More than 100 vessels plied the Icy. eas along the northern coast of Eubefore winter closed in. Paying cargoes were carrled over the once-leg endary northeast passage.
Had success come earller to the Rus
;alans It might have had an tmportant bearing on the outcome, of the disas In a cranky old Ellzabethan shlp land in 1553 on the first pedition through these seas. One of als captains, Richard Chandier, got a tar as the present elty of Archangel.
Holland sent out an expedition in 1594, headed by the herolc Barents. Thls was the irst of a number of ex purpose, but successful in thelr main knowledge.
Success of the modern fleet was fore shadowed by that of Dr. Otto Schmidt,
Head of the Aretle Institute at Lenin. grad, in 1932 . He set a two-month rec ord from Archangel to Japan. Aaborra the icebreaker Slbiriakov, he
salled July 23 to determine the commerclal practicabllity of the route. All the way he had good weather, he reported, with temperatures never much
below freezing

Heredity Riddle Solution
Is Sought in Fungus Fly of gnats, so to speak, may come an answer to the riddle of heredity 11
studies that Dr. C . W. Metz Is makin of sclara coprophlla-a fancy name for fiat is commonly known as the fungus
fly-are carried to a successful conclusion at the Johns Hopkins univer
sity. sity.
Doct Doctor Mets is studylng chromosome
structure and behavior. Chromosomes minute bodies containing tiny particles known as genes, found within certain to be responsible for the repetition of parental tralts in offspring.
Unusually found in the sallvary gnats. Not only do they supply a large specles of chromosome, but they breed rapldyy, reproducing 12 or 15 genera-
tions withlo great many related, which makes able for study within a short time.
Furthermore, it has Furthermore, It has been observed
that gnats exercise an almost selecthat gnats exercise an almost selec-
tive breeding process, often a female will have only sons, o phenomenon
which never has been duplicated. which never has been dupllcated.
"The male fungus fly transmits "The male fungus fy transmits only
characteristics Inherited from his characteristics Cherited from his
mother, but the female passes on chromasones from b.
tor Metz explained.
cheme found out what groups of arromosomes proatce a generation of
a single sex. But we do not know what forces produce the combinations

France and Switzerland
Take Lead in Drinking Munch.-The Englishman, the Aus-
trallan and the German stand at the bottom of the class when It comes to drinking alcohol, it is indicated by
Nazl statistics just released to the Nazl statistics
Munlch press.
Munlch press.
that the Frenchman nations and the Shows
drinks, on dirink, on the average, five times more every year than any one of tham.
These are the figures per head year in litres (about one and threeuarters pints) :
France and
France and Switzerland, five.
Spain, Sweden, Czechoslorvill Span, sweden, Czechoslovakla, four.
Hungary and Austria, three and a half.
Belglom, Bulgaria, Holland, two.
England, Australla, Germany, When it comes to wine drinking France is again in the lead with an average yearly consumption per bead
of 100 Hitres. As for beer, As for beer, Germany, for centuries
the traditlonal home of beer, has to take second place to Belglum, where an aver
sorbed.

## Two Sisters Work Before

Mast to See the World Vancouver, British Columbla-An
attempt to worls thelr way around the world In ahips is being made by two They are Clara in. Wi. eacher, and Katherine, a stenograp er. They started out on the first lap frelghter Harmatris, on which then unged as members of the crew. The Harmatris wil take themy to Sydneg, From Sydney th
boat to india or the vest const ustralla, work thelr way to south and then go through Europe and Ent land, returning to New York nind Mont. The alsters zald they had no specia except for the destre to "see the except."

Prosperity Due to Forceful Leader, Tribe Claims. Livingston, Texas.-The only Indian tribe in Texas, the
bas a white chlef.
Nekko SI, or Little Chief, known to his business assoclates here as Clem Fain, Jr., becane director of the tribe
at Indlan Village followiog the death of Big Chleß Sun-Kee, seventy-five. Fain has been a friend and adviser was so loved that he was years, and title of Nekko SI.
Afrairs of the tribe, which had drift${ }^{\mathrm{pl}} \mathrm{a}$ a century Faln. Advised Old Chief.
Sun-Kee became chlet of the tribe 25 years ago upon the death of his predecessor, Chlef John Scott, Fain
became his friend and advised the


When adversity struck at the foun1228, of the band of 250 Indlans in
advised Chlef Sun-Kee, then sixty-seven, to organize the tribe formally and present a plea to the The
formally elibal braves, numbering 49, Charley Thompson, as chlef then called Immediately Chief Sun-Kee left for Washington, where he was granted an
audlence auence with Calvin Coolidge, then
President. The chiee gaked for ald and obtained it.
Before the trlp to Washlington Chlef
Sun-Kee was Sun-Kee was grieved deeply over the
poverty-stricken condition of the tribe His band found it diffleult to eke a
bare living from the sandy bare living from the sandy loam nea
Indian village.

## Have New Outlook

The Indians were backward and had ment, but now, modern farming equip. Nekko Sl Sun-Kee and the advice of on llfe.
Farms yleld Farms yleld good crops from sandy hospital and new church and home bulldings.
The Alabamas no longer have to
move to more fertlle land move to more fertlle lands, as dld their
forefathers. When the olk moved Into Texas it settled near Peact Tree village in Tyler county. Th Texas war for Independence force
them to move, but they were to Gen, Sam Houston and were rewari ed in 1854 by the land grant upo which they now live. rule untll next January, when the trith will elect one of its own blood to carr on the work of Sun-Kee, beloved chle
Tuners Are Needed in
Jews' Harp Manufacture London.-There is a serious shortage
of skilled tongue setters for Jews harps in Britaln.
This distressing fact is disclosed by the current number of Industrial Brit ain, a Journal printed In Engllsh,
French and German by the Travel Industrial Development Association or Great Britatn, largely for guldance of Birminghata, In the world, where Is the only eit
made harps made, has been enjoging a s "boom" are
the demand for thls baste produr the demand for thls baslc product.
But prospectlve players all over But prospective players all over the
world who have been taken with the urgent desire to manipulate this in
strument are belng kit strument are belng kept walting owing
to the way in whlch the lack or tongue to the way in which the lack of tongue
setters is holding up productlon. These men, who are responsibl the adjustment of the metal strip
whlch vibrates to produce which vibrates to produce the sound,
have to be trained for several years have to be traned for several years,
If the si. $p$ is the merest fraction of an Inch out of adjustment the tone is
ruined. The demand is coming prinelpally from the Unitted stames, where Jews
harp bands are becoming increasingl harp bands are becoming increasingly
popular. One Birminghem popular. One Birmingham frm 18
producling 100,000 harps a week, and the head of the firm recently has re turned from America with an order
for 160,000 . for 180,000 .
Super Clock Will Vary
Only Fraction of Second Londop.- $A$ clock that will not lose
or gain more than $a$ fraction of $a$ second in a year is to be installed at the Royal Observatory. It will be
recognized as the world's super timeplece.
Contro Controlled by electrility, its pendrconstant tempera partial vacuum at of electric Impulses whil be given out each time the pendulum swings.
The electric Impulseg will the dalas and mechanism.
Cut Out All the Fun Live to Ripe Old Age San Franelgco--If you would en-
joy longevits; happiness and health take the following advice from $\mathrm{D}_{\mathrm{r}}$ $\frac{\text { a. Pay }}{\text { Con't: }}$
Indulge th alcoholism
UBe tobe
Ure tobacco exceesslvely. Secome excessively emotional.
Submit to anger, avarice, ambl tion, vanits, gluftony or uncleanliAttem Attempt to avert parenthood.
Vanits, the doetor explained, aily aiftectly biealth in connection With attempts to accuire a gracefui figure hy infurlous meanis.


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## 4



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