

WRIGLEY'S

You will find all three flavors in the sealed packages—but look for the name

WRIGLEY'S

because it is your protection against inferior imitations. Just as the sealed package is protection against impurity.

SEALED TIGHT KEPT RIGHT

The Flavor Lasts!

UNITED PROTECTIVE COUPONS

WRIGLEY'S SPEARMINT CHEWING GUM

WRIGLEY'S DOUBLEMINT CHEWING GUM

WRIGLEY'S JUICY FRUIT CHEWING GUM

THE FLAVOR LASTS

DIXON'S ELDORADO

"the master drawing pencil"

Your enthusiasm for things American will be greater than ever, after you have used an Eldorado

17 degrees

at all stationers

WALTON LUNCH CO.
Nearest Luncheon Room
At 78 MASSACHUSETTS AVE.

IRON STEEL METALS

Arthur C. Harvey Co.

374-394 Congress Street BOSTON, MASS.
TELEPHONE, MAIN 7000

TOOL STEEL SHEET IRON BOILER TUBES
PLATE STEEL CONCRETE RODS METAL LATH
SOLDER COPPER ZINC

We Are Equipped to Cut to Length Anything Carried in Stock

WAR DEVELOPS RADIO PHONE

(Continued from page 3)

he ordered Col. Jewett to equip airplanes with the Bell apparatus and to proceed with the development work.

From this time the work consisted in obtaining the smallest and lightest outfit, a convenient form of power plant to furnish the necessary energy, overcoming the noise made by the airplane itself, overcoming the inductive interference in the wireless telephone set arising from the airplane ignition system, designing the best telephone transmitter for the peculiar conditions on the airplanes and other questions of a similar nature.

So complete had been the fundamental work already accomplished and so rapidly was the work pushed, that on Dec. 2, 1917, at the Wright Field, Dayton, Ohio, an official demonstration was made between planes in the air and planes on the ground before the Aircraft Production Board and before officers of the Army and Navy.

Two planes were sent up into the air, each equipped with the Bell wireless telephone system. These systems were so arranged on the planes, which were two-seaters, that both pilot and observer could communicate with the ground or with the other airplane, and the pilot and observer could talk to each other by wire telephone, this being an important point, as the noise in an airplane is such that pilots and observers cannot directly communicate with each other by spoken word. On the ground there was a wireless telephone outfit equipped with a land speaking receiver, so that all of the assembled officials could hear both the orders issued to the airplanes and the communications from the airplanes.

Planes Communicate by Phone

Orders were issued to each of the planes from the ground by wireless telephone and their receipt acknowledged from the planes by the same means, the orders issued being immediately executed. The planes also communicated with each other. In this test orders were issued to planes from the ground over distances as great as ten miles, a distance at which the planes were invisible from the telephone station. The planes communicated with each other over the same distance, at which distance, of course, each plane was entirely invisible from the other.

To appreciate what a tremendous advance was represented by this application of the Bell wireless telephone system, the best scheme actually employed at that time must be known. This did not provide any means of communicating between the planes. Wireless telegraphy was used to send from the planes to the ground and very occasionally from the ground to the plane. In addition to its limitations, this system required that the observer in the plane should be able to send by Morse code. The practical utility of this scheme was limited to reporting the results of artillery fire and correcting ranges, and to a limited extent for reporting from scout-planes.

The demonstration showed conclusively the success of the new system and made such a strong impression upon the officials present that immediately thereafter large orders were placed by both the army and navy, and the apparatus was also obtained by the allies and used effectively in war work.

BIDDELL '22 TAKES HONORS IN INTERALLIED GAMES ABROAD

(Continued from page 1)

200 meters final, the former's time being a world record, C. J. Stout, America, won the 1,500-meter run from Arnaud, the French champion, in 4 minutes 53-5 seconds. Arnaud is the first Frenchman thus far to score.

The American negro, Butler, of Albuquerque, was first in the running broad jump trials, making 7.4 meters.



Full Lines of
**PALM BEACH, WOOL, CRASH, MOHAIR AND
FLANNEL OUTING SUITS**
\$15.00 to \$25.00

Outing Shirts in Silk, Cheviott and Madras
\$3.00 to \$10.00

Full Line of Straw Hats—\$2.00 to \$10.00

Browning, King & Company

407-411 Washington Street, Boston

Have YOU joined
Technology Branch?

THE NEW FISCAL YEAR HAS STARTED

**TECHNOLOGY
BRANCH**

**Bevo is a part
of the game >>
it makes good
sportsmen and
more enjoyable
sport >>> good
fellowship, health
and refreshment
>> best to train
on and gain on.**

Bevo
THE BEVERAGE

The all-year-round soft drink

ANHEUSER-BUSCH
ST. LOUIS

Sold everywhere—
families supplied by
grocer druggist and
dealer—Visitors are
cordially invited to
inspect our plant.

