

IN REVIEW

Radio is now such a vast and diversified art it becomes necessary to make a general survey of important monthly developments. RADIO-CRAFT analyzes these developments and presents a review of those items which interest all.

phonograph music, weather reports and re-transmissions of the Continental broadcasters, much to the gratification of the English radio audience and the chagrin of the British Post Office, which controls broadcasting in that country. As a matter of fact this honorable department was so deeply hurt at this "slight" that they sent out a special radio patrol car to find the interlopers, which they succeeded in doing one Sunday morning. Subsequently, they confiscated the offending 4 watt station and extracted a profuse apology from the brothers Barker, as well as a small fine.

On this side of the Atlantic, during the past month, a much more vicious pirate has been causing the Federal Radio Commission no end of trouble. This much publicized individual is Dr. John Richard (Goat Gland) Brinkley, whose station in Milford, Kansas had been ordered off the air some time ago. Whereupon, the estimable and astute Doc. Brinkley immediately crossed the Mexican border and opened up with a super-power station which caused constant interference with stations in the U. S.

Finally one day last month a Mexican radio inspector with a body-guard of troopers stormed the Villa Acuna station XER and put it off the air for good.

Persistent Doc. Brinkley has now purchased a 150 ft. yacht which it is reported he is fitting up with a powerful station to broadcast from the high seas!

We don't know whether to conclude that "radio advertising" helps sell Goat Gland medicine, or perhaps Goat Gland medicine enables one to defy federal law and build broadcast stations (which, incidentally, cost a pretty penny).

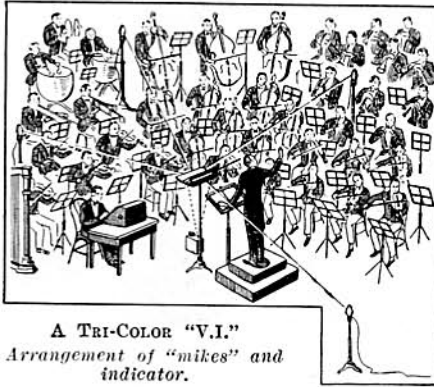


Yo-Ho-Ho and a (50 kw.) bottle of— Doc. Brinkley of XER fame has threatened to broadcast from the high seas.

ONCE AGAIN THE RADIO SHOW

RADIO enthusiasts within traveling distance of New York will be glad to hear that during last month plans were definitely started for the second annual combined National Electrical and Radio Exposition at Madison Square Garden. According to the announcement made by busy Ralph Neumuller, managing director of the Electrical Association of New York, this show of shows will start Wednesday, Sept. 19 and continue for 11 days through Saturday, Sept. 29, 1934.

Readers of this page will remember that after the show last year, we pointed out that although visitors were inclined to fall over refrigerators, and other electrical "what-nots," here, there and everywhere, the show was none the less a great success for radio fans.



A TRI-COLOR "V.I." Arrangement of "mikes" and indicator.

ORCHESTRA VOLUME INDICATOR

LAST month, experimental work was completed on a new electronic beam instrument for showing visually the sound intensity of an orchestra, and which has been designed especially for lean, wiry Leopold Stokowski, famed maestro of the Philadelphia Orchestra. The instrument, which was developed by Ivan Eremeeff, Russian inventor and experimenter and John G. Leitch, technical supervisor of WCAU, is now being used by Conductor Stokowski in conducting the Philadelphia Orchestra concerts over the coast to coast network of the Columbia Broadcasting System.

The visual indicator consists of a



LEOPOLD STOKOWSKI Using the visual indicator to help in conducting the Philadelphia Orchestra.

specially constructed galvanometer, carrying a very light shutter which interrupts a light beam, and projects it by means of an optical system on a 30 inch glass screen, placed immediately before Mr. Stokowski.

Light of three colors is projected on the glass scale, the colors representing sound of low, medium and high intensity. This is in order that the conductor may at a glance determine the approximate position of the music in the dynamic range. Often times, the approximate level of the orchestra is all that the conductor wishes to know throughout the somewhat extended musical passages. This may be easily determined by the colored light without the conductor's attention being distracted from his score, which is preferable to observing the exact numerical level on a calibrated scale.

During rehearsal prior to the broadcast, Mr. Stokowski and the control engineer determine the peak levels of each composition and set the gain control at a fixed point. With the visual indicator placed in front of the conductor, he is able to control the volume of the orchestra according to the visual color indication on the instrument and it is not necessary for the engineer to change the fixed level. This gives complete control of the rendition to the conductor, instead of entrusting it to the engineer who may be a top-notch technician, but is certainly not a musician or conductor.

RADIO'S NEW POLICE WORK

POLICE radio has been afforded much publicity during the past year. The agile "Radio" (Continued on page 747)