PADLESS SAX TESTED

In a unique test, just completed, a sound analysis has been made comparing the "G" concert tone produced on the new Selmer-U. S. Padless Saxophone with that of a conventional padded instrument. In charge of the tests were V. A. Schlenker, noted consulting engineer, and lecturer at Columbia University, and R. A. Langley, member of the Acoustical Society of America. The instruments were played by Merle Johnston, famous New York teacher and player. Equipment used included sound analyzer, sound level meter, cathode ray oscilloscope, audio-frequency recording machine and equipment for photographing wave-forms.

In his report comparing test results on the padless saxophone and a fine padded saxophone of conventional type, Mr. Schlenker notes "a decided improvement in richness of timbre and brightness of tone" on the part of the new Selmer-U. S. instrument for "G" below middle "C". It was also found that the padless sax "produces considerably greater sound output with the same playing effort."

Mr. Schlenker concluded that the analysis indicated for the tone analyzed that "the elimination of soft kid pads in the improved Selmer saxophone definitely enhances the more desirable partials (overtones) and diminishes the undesirable partials, and, therefore provides a richer, brighter, more pleasing tone."

Above approved as corrected
March 4 1941 - V. A. Schlenker
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MID-YEAR COLLEGE TESTS PASSED BY SAXOPHONE

It's a fact! The new Selmer-U. S. Padless Sax has just been put through comparison tests in the sound laboratory ~~of a famous university~~ and came through with flying colors. Left is Merle Johnston, famous teacher and player, and right is V. A. Schlenker, noted consulting engineer in acoustics, sound, and vibration, who constituted the examining board along with R. A. Langley. Tests were made with sound analyzer, sound level meter, cathode ray oscilloscope, audio-frequency recording machine and equipment for photographing the wave-form. for the tone "G" below middle "C" Mr. Schlenker reports the padless sax "a decided improvement in richness of timbre and brightness of tone." He also found it "produces considerably greater sound output with the same playing effort."

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