

Tech stargazer club forming; members sought

An Optics & Astronomy club is being formed by Michael Wolfson, ARF optical engineer. The aims of the club as now proposed are: to familiarize the members with the science and usage of astronomy, make telescopes of all types, visit optical and astronomical establishments, and have an enjoyable time in the venture.

Anyone interested in the club should leave his name, address, and list of free periods in room 202-A, main ARF building, or call Mr. Wolfson at Ext. 349. All students are eligible.

Prof chases engine noise

By putting noisy engines into a padded cell and studying what parts are responsible for the nerve-racking decibels, Wilson P. Green, professor of mechanical engineering at IIT, has been able to reduce engine noise by as much as 50 per cent.

Professor Green has designed a double-walled engine noise test room where he can make accurate sound measurements. Believed to be the only such room in existence, it is built on a four-inch platform of soft rubber and lined with a six-inch thickness of fireproof fiberglass.

"We measure the loudest part first—usually the exhaust—reduce the noise, and then go on to the next loudest," Professor Green explained. "Every gear, piston,

and moving part is carefully checked and muffled."

"To measure some specific component, such as the exhaust noise," he said, "engines are placed outside the room with the exhaust piped into the cell through sound-insulated ports. Only the exhaust noise is heard within the room."

"Any engine, automotive, locomotive, or power plant can be quieter. Proper diagnosis and design can muffle at least 50 per cent of the noise without altering power or efficiency," Professor Green said.

Boder awarded grant for more DP research

David P. Boder, professor of psychology, has been awarded a grant of \$9400 by the United States Public Health Service. It provides for the translation and analysis of the more than 120 hours of wire recordings collected by Dr. Boder in the summer of 1946, filled with the personal experiences of displaced people who were fortunate enough to survive the concentration camp ordeals in Dachau, Auschwitz, Buchenwald and other Nazi camps of annihilation.

Dr. Boder states "These experiences of D.P.'s, freely told

in non-restricted and non-directive interviews, offer a never before obtained source of material on the transformation of personality due to unprecedented stress."

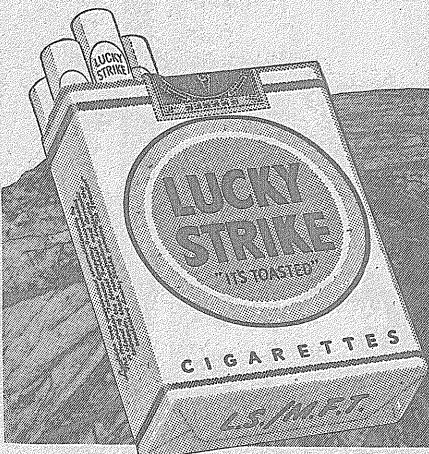
In addition, a complete set of duplicates of the nearly 200 spools of wire recordings gathered by Dr. Boder, together with the microfilms of the translations, is to be deposited with the new library of the United States Public Health Service in Washington, D. C., to make this material available to other scientists for further research.

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