

UEI EXTENSION STUDENT BUILDS LASER

Extension student George C. Stege III, 2429 Newburg Road, Louisville, decided that the best way to find out what a laser was all about was to build his own. So he did!

Of course, building his own laser isn't the only remarkable thing about this young man. George enrolled in the UEI Extension Training Program when he was only 11 years old and in the 6th grade of grammar school. Certainly he is by far the youngest student ever formally enrolled in our training, and several rules were stretched quite a bit in order for him to enroll.

George and his father, Dr. George C. Stege, have always been science buffs. They were strolling through the exhibition hall at the Kentucky State Fair in 1964 and spied the UEI exhibit. They stopped to examine some of the equipment on display and to talk to personnel manning the display booth. It was soon apparent that George had the desire and the ability to learn more about electronics, and he asked if he could enroll. His father was all for the idea and assured UEI that the electronics training would not interfere with George's school work.

While progressing through grade school to high school, George has found time to complete more than half of the UEI training. He has made one grade of B; all other grades are A or A-plus. So George is not only our youngest student by far, but he is also one of the best students we have ever had.

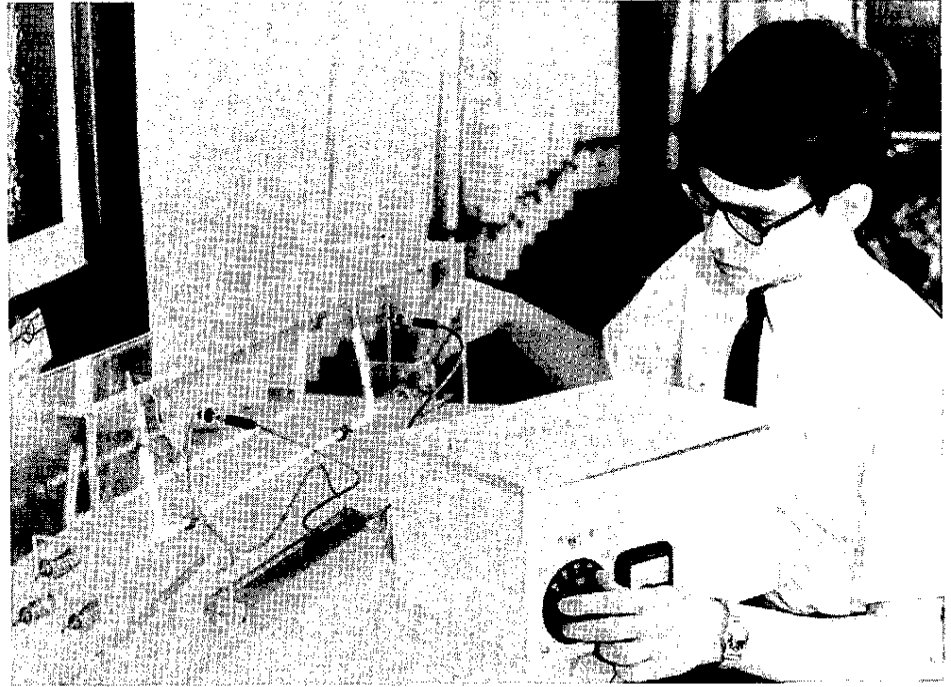


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Extension student George C. Stege III prepares to "fire" his laser.

After deciding to build a laser, it took George about 6 months to obtain the necessary parts, mount them on a frame, and build a power supply. Several frustrating days were spent in positioning mirrors, adjusting voltages, etc., without any success. He had about given up on the project, but decided to try a few more adjustments. While re-positioning a mirror, he hit the magic combination and the unit began to "lase."

After making a few modifications, George plans to enter his laser in a science fair next spring. He's also

considering some practical uses, including three-dimensional photography.

George's interests also include the field of chemistry. (George, we won't tell a soul about that rocket-fuel project which you and your father were working on--about how it got a little out of control--and about the \$27,000 fire which resulted. Not a soul.)

With your talent and ability, George, we know that you will go far in the field of science. Our best wishes for the future!