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FABRICATION OF DIFFERENT TYPES OF 1V-30V DIRECT CURRENT FUSE BLOCKS BASED ON LOCAL CONDITIONS.

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Nowadays, students in IT circles in higher education schools, colleges, technical institutes and lyceums are buying different types of batteries from deserts because they are studying in the field of electronics. That's why we at the President's school in Karshi, in the circle of circuit engineering and robotics, students made with their own hands a 1 V ... 12 V DC transistor, spring circuit, LM 7805, LM 7806, LM 7809, LM 7812, LM 7815, LM 317 stabilizer We have been making and using elements based on local conditions. What is the purpose of making a block diagram, students will save money in their wallets, because if students and students want to make a circuit in circuit technology, the self-made block diagrams 1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V, Provides 8 V, 9 V, 10 V, 11 V, 12 Volt DC with stabilization. This ensures that they get results quickly from the things they do. The first thing students and pupils do. They will make a simple supply block circuit board, for this we circle leaders will draw a complete circuit diagram of a simple supply block circuit board on the boards and draw 1- transformer, 2- diode bridge element, 3- liquid capacitor on the circuit board. we will show the circuit, and finally, we will show the liquid capacitor on the drawing. Dear colleagues, if possible, it is very important to

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show the simple supply block pitanias made by the leaders of the teacher's circle by ourselves, observing various details, ethics and aesthetics, and using beautiful plastic material, transformer, diode, bridge, capacitor, more beautiful than the factory ones. they are doing this for the first time. Students must first have the skills so that they can make and learn what we teach quickly. After making a simple fuse block and getting 5 V 12 V DC battery voltage from 222 Volt current, they should try to turn on various lamps and light bulbs to get this impression. The difference between a regular spring supply to students and teachers and a stabilized (Yanny stable) current. I think the difference needs to be explained very thoroughly. For example: a simple power supply unit also supplies 12 V DC. But if we buy a computer or laptop for 6 million soums from the store, the block pitaniya is burnt.

A computer or laptop also runs on 12V DC. If we directly connect a simple fuse block to the petania, we can turn the computer or laptop into a sick computer.

because if the 220V AC voltage drops to 180V in a simple power supply unit, the 12V output voltage will also drop. If the 220 V alternating voltage increases to 250 V, the output 12 V voltage increases to 18 - 20 V. That is why it is stabilized

(If we make the stable power supply according to the local conditions, we can easily use computers or laptops, and if these devices are made fully automatic, they can be sold in stores. Industrial robots are the heart of automatic devices. Household appliances can also increase or decrease voltage. As a result, if the fuse box works with a small error, it will cost a lot to restore this expensive automatic device.That's why I think that we should teach students and teachers the secrets of fuse boxes and make our own fuse block boxes of different types and voltages. We have to make.

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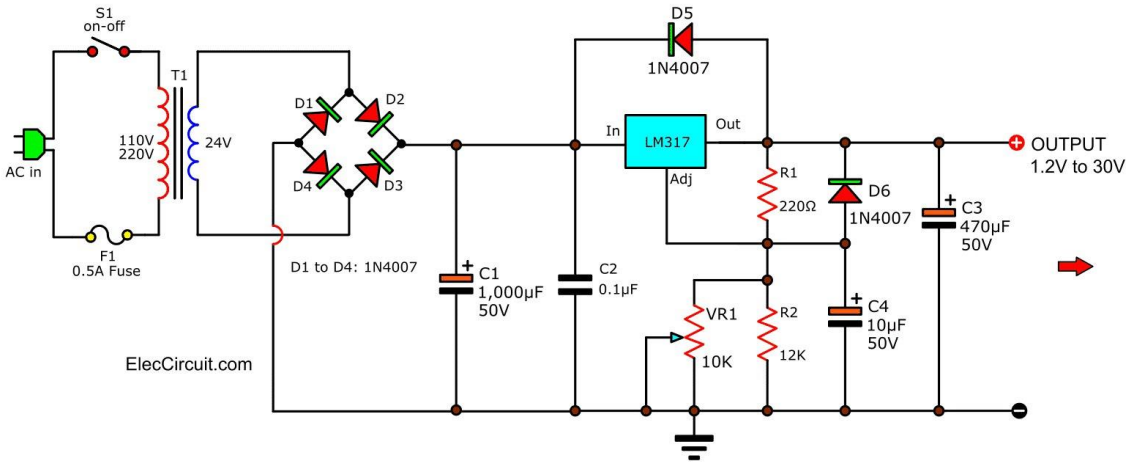
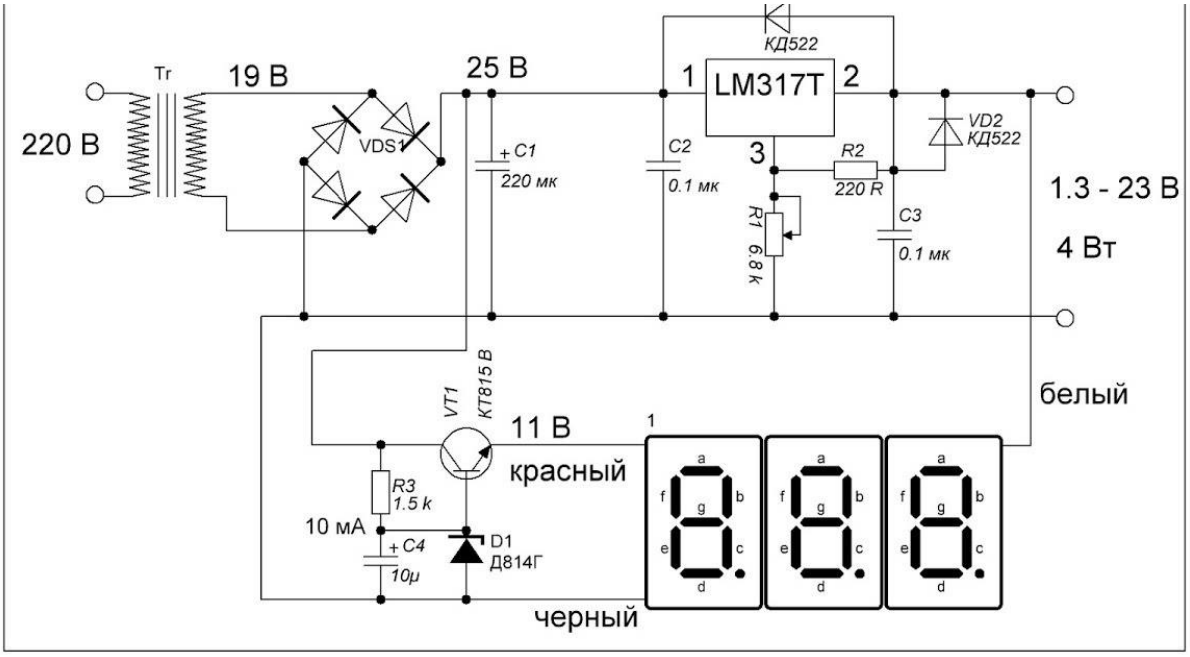


LM317 Power supply circuit 1.2 to 30V 1A



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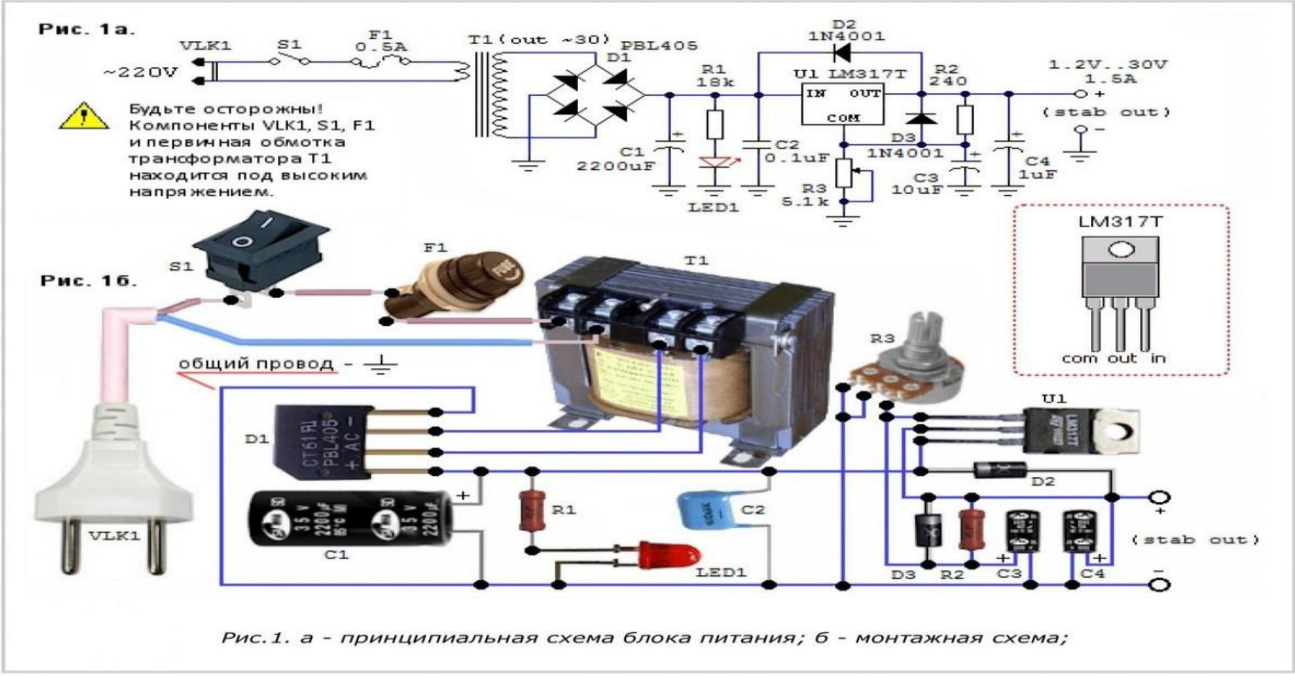
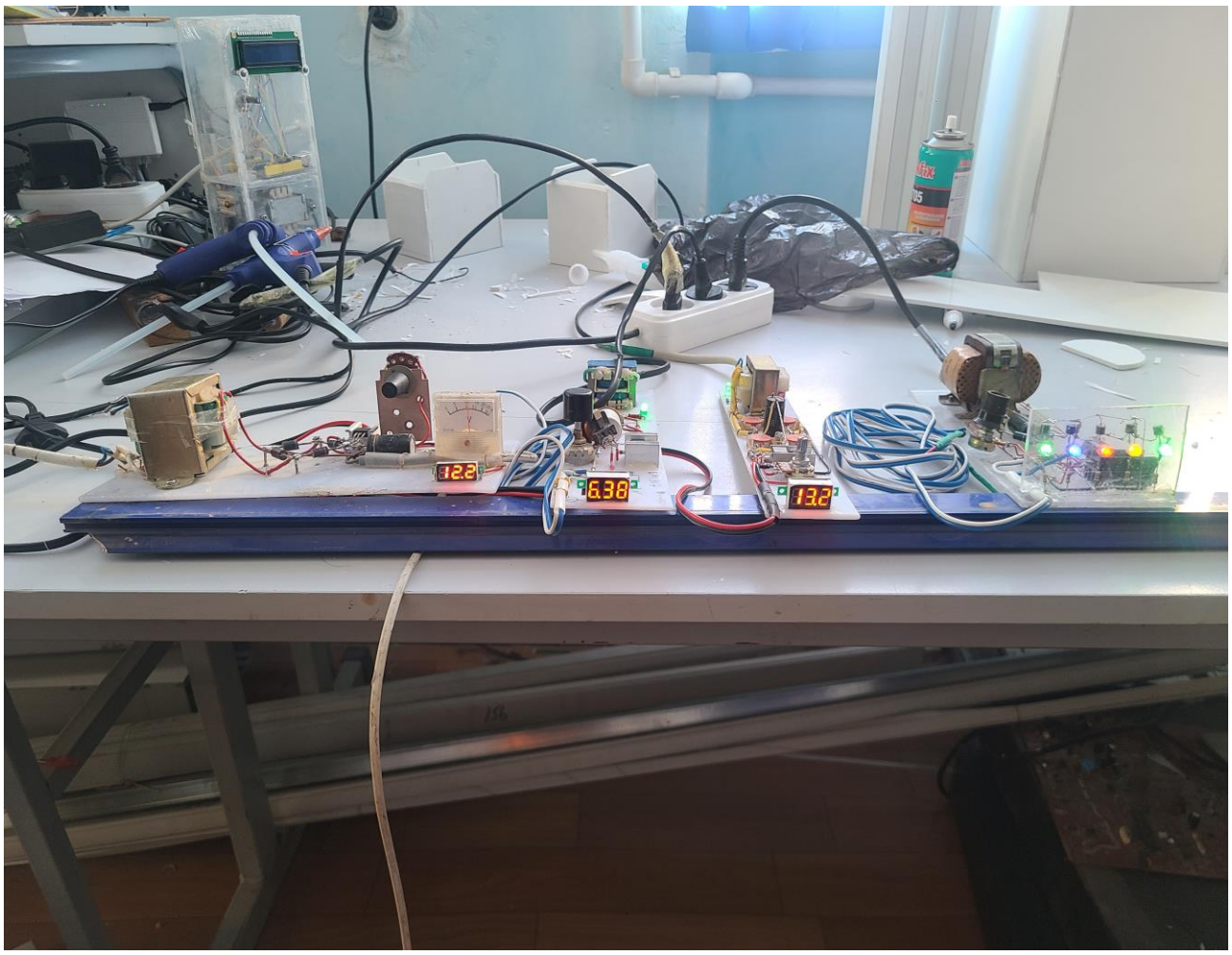


Рис.1. а - принципиальная схема блока питания; б - монтажная схема;



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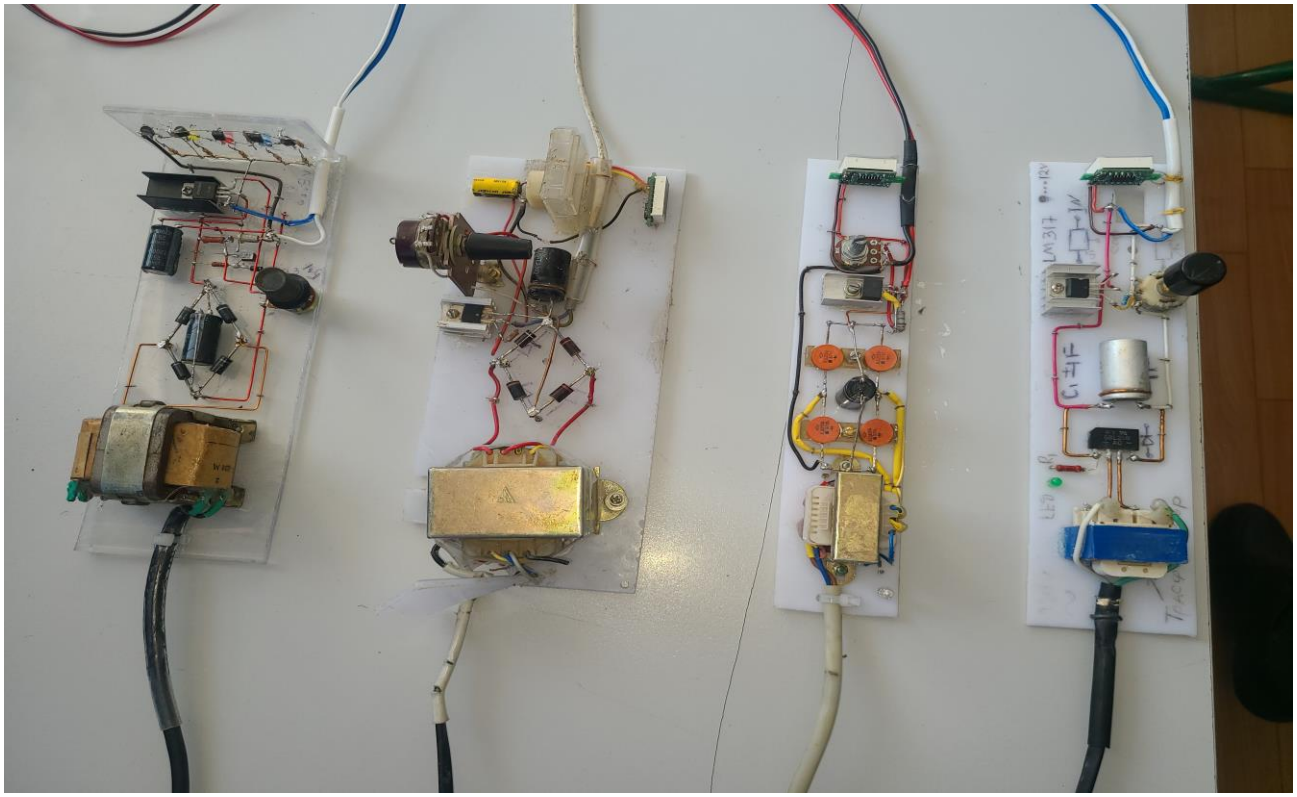

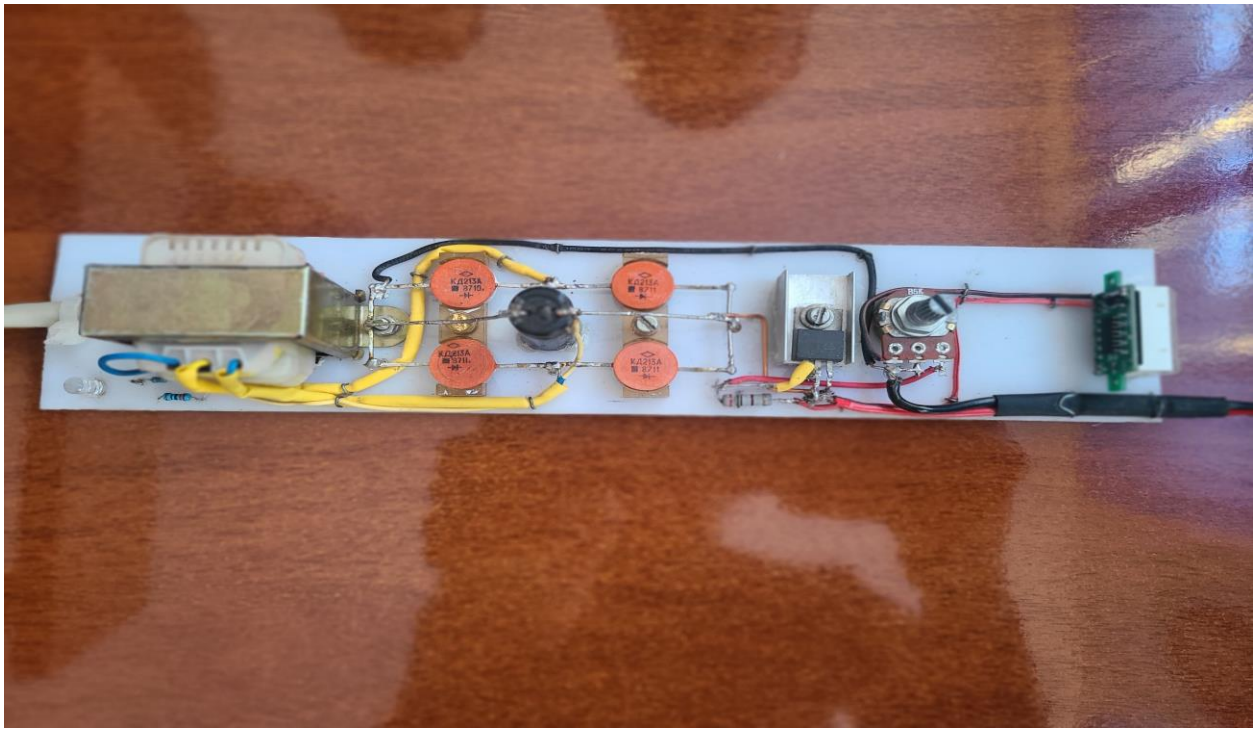

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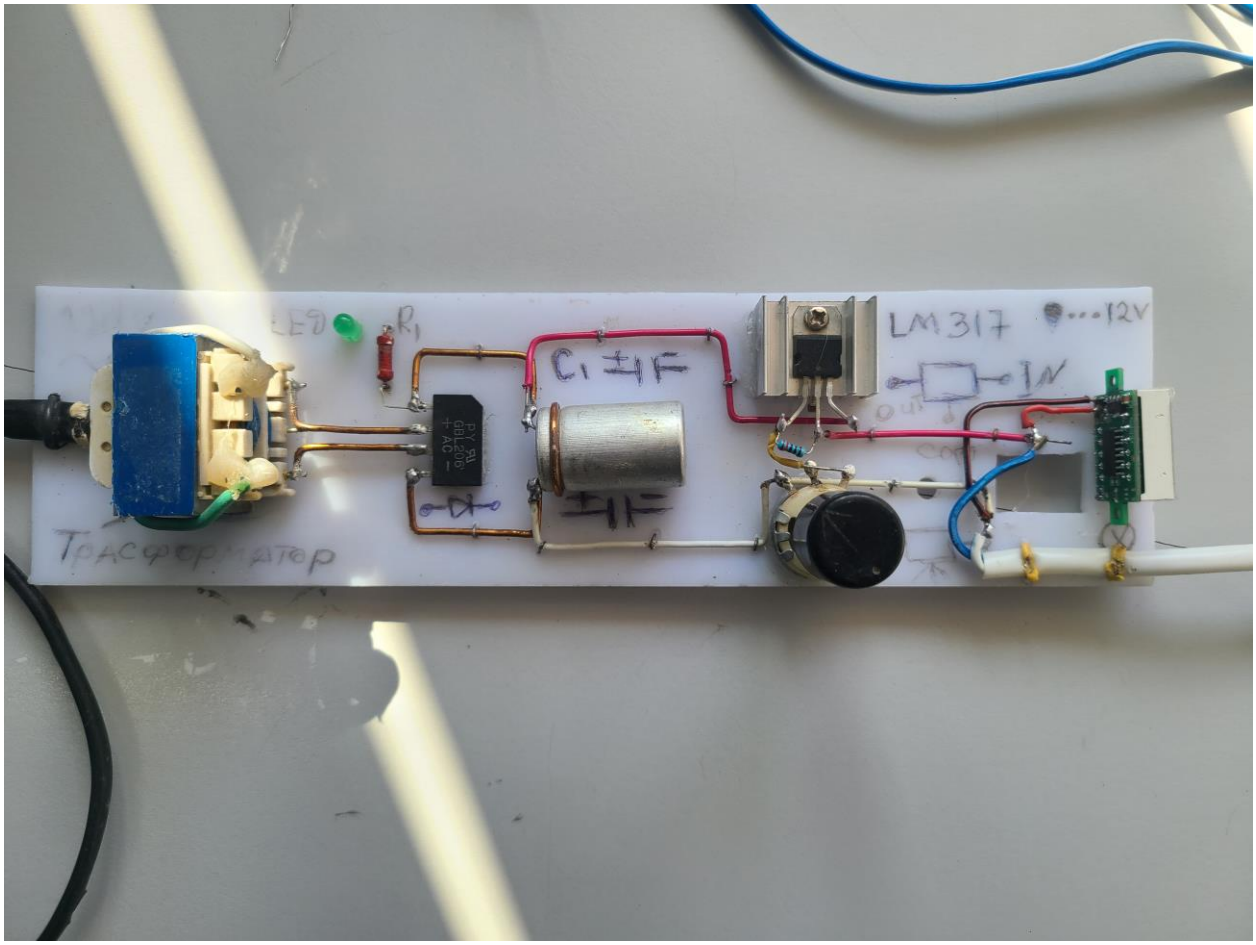

Schematics and views of the construction of power supply units that provide up to 1v ... 30v, made based on local conditions in higher education schools, colleges, technical schools, and colleges.

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