

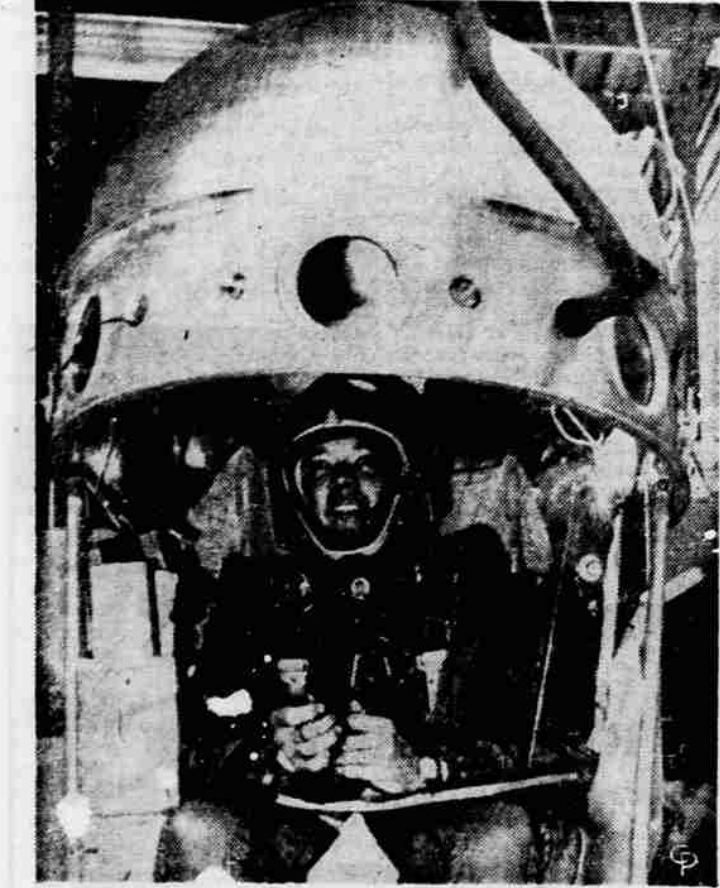
Lack of High-Voltage Brainpower Causing Alarm in United States

BY LOUIS CASSELS
United Press Correspondent
 Washington—The United States is developing an acute shortage of precious natural resource-high voltage brainpower. Government officials report that the national deficiency in "creative" talent, which first

showed up in science and engineering, now extends through the whole spectrum of business and professional skills. It is reflected in the \$100 million a year that industry is spending on "executive development" programs. . . in the frantic scramble for technological spe-

cialists of every kind. . . in the feverish efforts of many small towns to attract a resident physician. . . in the empty pulpits of thousands of churches. . . in the lack of qualified teachers at every level of education from kindergarten through the university graduate schools. . . in the starting salaries of \$4,000 a year and up that are being offered to this year's college graduates.

Another major reason is that technological progress and economic growth has tremendously increased the nation's need for highly trained personnel. Labor Department studies show that we got along with 4,200,000 professional and managerial workers in 1910. This year we have about 12 million, and by 1975 we will need an estimated 18 million.



SITTING IN CAPSULE, Maj. David G. Simmons tests controls in preparation for ascension in balloon to 100,000 feet over Minnesota. Plan is for Simmons to remain at record-breaking altitude 24 hours. (International)

Officials emphasize that the demand is not merely for more trained specialists but for "real leaders."

"In practically every single occupational field," said Seymour L. Wolfbein, manpower chief of the Labor Department, "we find a great need for people at the top levels of knowledge, skill and creativity."

How did a brainpower shortage develop in the nation which has the most extensive public education system the world has ever seen?

There Are Reasons

One explanation is that the unusually low U.S. birth rate of the 1930s is now being reflected in the number of young

people who graduate from college into business and the professions.

A third reason for the brainpower shortage is the failure or inability of thousands of promising students to complete their education.

Figures Appall Educators

Many government officials and educators are appalled by U.S. Office of Education figures showing that only about half of the high school graduates who rank scholastically in the top quarter of their class go on to college. The other half, who could profit equally well from higher education, quit school to take a job or get married.

Another appalling statistic from the U.S. Office of Education shows that 40 per cent of all high school students drop out before graduation.

In an effort to plug this great "leak" of potential brain power, the federal government is currently enlisting the aid of newspapers, broadcasting stations and civic groups in a nation wide campaign in August to persuade high school students to "stay in school."

One point which will be stressed in this campaign: The aver-

age high school graduate can count on lifetime earnings at least \$50,000 greater than the average "dropout." The value of a college degree in terms of lifetime earning power is estimated at more than \$100,000.

Teacher Shortage Serious

Those who conclude that more and better education is the only answer to the brainpower shortage immediately run into the fact that one of our most serious shortages is in teachers, particularly highly-qualified teachers who can serve on college faculties or teach science and mathematics in high school.

The supply of trained teachers for elementary and high schools has been gradually increasing in recent years, partly as a result of improved teaching salaries. The U.S. Office of Education estimates that the "net deficit" of qualified teachers was reduced from 180,000 in 1956 to about 140,000 this year.

But higher up the education ladder, colleges report extreme difficulty in attracting and holding top-flight men for faculty posts.

4 Medical Students Rescued From River

Portland — Four University of Oregon medical school students were rescued Monday night after their sailboat tipped over in the Columbia river. Alice M. Ailey, 25, suffered a

hip injury when she was knocked against the side of a rescue boat. Others rescued were John Misko, Betty Jo Davenport and Robert M. Brown. Misko said they had sailed from the Columbia Yacht club when the boat suddenly turned over. They held on to the boat and drifted about half a mile until another boat came along and rescued them.

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Quotes From the News

By UNITED PRESS
 Washington—Sen. Theodore F. Green (D-R.I.) to colleagues paying him tribute as the oldest man ever to serve in Congress: "If they know they're right, they should keep on. They'll win in the end. . . a clear conscience and hard work will win in the end."

Chicago—National League President Warren Giles, on a report of a proposed three-team franchise shift: "I don't want to have to deny anything and then look bad by having it turn out another way."

Montgomery, Ala.—Prosecutor William Thetford, rebutting the defense's arguments in the trial of two white men charged with dynamiting two churches: "We're not waving a bloody flag. We're not trying to get the NAACP involved in this."

Washington—West German Chancellor Konrad Adenauer, on his talks with Secretary of State John Foster Dulles: "We discussed an extremely important question, especially for us Germans, namely the link between general disarmament and German unification."

Pittsburgh—Sen. John F. Kennedy (D-Mass.) stating that a Roman Catholic could be president: "The people are running ahead of the politicians. . . who say a Catholic would have no chance for the presidency. The people today are more interested in a man's talent and ability than his religious convictions."

Washington—Rep. Gerald R. Ford Jr. (R-Mich.) denouncing the House Appropriations committee's attempt to force the Army to keep operating the Murphy hospital, which has more staff personnel than patients, at Waltham, Mass.: "This is the grossest case of extravagance and inefficiency that I have ever heard of. It is the most wilful misuse of federal funds that I have ever heard of."

Philadelphia—Miss Darling, a spokesman at Father Divine's headquarters on a report that the Negro cult leader is dead: "It's the same thing, just a rumor. We haven't any comment."

New York—Evangelist Billy Graham, condemning the lust of New Yorkers: "Thousands of New Yorkers read sex magazines and other pornographic literature and they are worshippers of Baal just as surely as though they take part in lewd orgies of passion before this false god."

Difference between gasolines recorded by Muffler Microphone — proves switch to Shell Premium with TCP boosts engine power!

Before TCP
 A microphone was connected to the muffler of an engine run 3000 miles on a competitive premium gasoline. Engine impulses were relayed to a graph recorder. An irregular pattern like the one above showed misfiring and power loss due to harmful deposits.

After TCP
 The same engine was then run on Shell Premium Gasoline with TCP. After three tankfuls the muffler microphone produced the smooth pattern shown above. Deposits had been neutralized, misfiring stopped and power restored as the car was driven.

Shell engineers tested many makes of cars with the muffler microphone to pinpoint misfiring and power loss caused by harmful engine deposits.

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Misfiring disappears as Shell Premium with TCP neutralizes deposits which can cause even a new engine to lose power in 3,000 miles.

Even today's most powerful engines fall victim to harmful engine deposits.

These deposits build up in any car after as little as 3000 miles of driving. And they are power stealers—because they cause spark plug misfiring. You feel this power loss in sluggish response and engine roughness when you step on the accelerator.

The muffler microphone tests proved that only three tankfuls of Shell Premium are enough to neutralize engine deposits, stop spark plug miss, and regain lost power.

You'll keep this power gain as long as you keep using Shell Premium with TCP.

To get back the power you paid for, while you drive, switch to Shell Premium Gasoline with TCP additive.

*Shell's trademark for this unique gasoline additive developed by Shell Research.

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has both TCP and TOP OCTANE!

