

EDUCATION

Criticize Education Plan

More than scholarships for students is needed if the nation is to solve its education problem, the experts say. Improved school facilities and larger teaching staffs are needed.

► THE ADMINISTRATION'S proposed multi-million dollar scholarship program to entice more students into scientific and engineering careers may do more harm than good.

This is the criticism of many educators and manpower experts.

The proposed program has the potential of worsening an already bad situation, they say.

The major criticism is that scholarships help students but do nothing for the colleges and universities currently in urgent need of dollars.

Student recruitment, they explain, is no longer a major problem. In many instances schools cannot take more students. Engineering enrollments, for example, were at an all-time high in 1957 and many of the nation's top engineering schools now have waiting lists extremely long.

The major problem is overcrowded and understaffed colleges and universities. The problem promises to become worse before it improves. U. S. Commissioner of Education Lawrence G. Derthick recently predicted that college enrollments would more than double in the next ten years.

"The Administration in its proposed scholarship program has made no provision for helping the colleges and universities to expand their staffs and facilities," Dr. Howard Meyerhoff, executive director of the Scientific Manpower Commission, Washington, said.

"There is no possible way in the foreseeable future for our engineering schools to absorb more students unless they get substantial help."

In the same vein, Dr. Eric A. Walker, vice-chairman of the President's Committee on Scientists and Engineers and president of Pennsylvania State University, said he was at odds with the proposed program for scholarships because it doesn't "help the universities at all."

One of the biggest fears if the flood gates of potential students are opened up is that academic standards will suffer. This might prove more devastating than having a shortage of students.

What is needed in any Federal program, the experts are convinced, is money for colleges and universities that will enable them to enlarge their staffs, build new buildings and facilities.

Perhaps a more serious shortage than students is that of qualified teachers, partially a result of industry having pirated professors and graduate students away from colleges and universities.

Dr. Meyerhoff's Commission, which pointed to the scientific and engineering manpower shortage in pre-sputnik days, said that:

"The major problem is no longer one of student recruitment but of educational quality all along the line and the provision of adequate facilities and faculty for higher education in engineering and science. We see no compelling reason for altering that basic emphasis."

Science News Letter, February 1, 1958

"I'M MAKING MORE THAN \$1000 a Month"



HAVEN'T TOUCHED BOTTOM YET!"

—reports Charles Kama, Texas, one of many who are "cleaning up" with orders for PRESTO. Science's New Midget Miracle Fire Extinguisher. So can YOU!

Amazing new kind of fire extinguisher. Tiny "Presto" does job of bulky extinguishers that cost 4 times as much, are 8 times as heavy. Ends fires fast as 2 seconds. Never corrodes. Guaranteed for 20 years! Over 3 million sold! Sells for only \$4.95.

Show it to civil defense workers, owners of homes, cars, boats, farms, etc., and to stores for re-sale—make good income. H. J. Kerr reports \$20 a day. Wm. Wydallis \$15.20 an hour. FREE Sales Kit. No obligation.

MERLITE INDUSTRIES, Dept. P-127F
PRESTO DIV., 114 East 32 St., New York 16, N.Y.
 Canada: Mopa Co., Ltd., 371 Dowd St., Montreal 1, P.Q.

12 Ass't. Wood Carving Tools



Surgical Steel — Hollow Ground \$1.75 per set

Brand new, never used surplus at a fraction of their original value. Each knife approx. 6" long, surgical steel blade. Firmly attached in hard wood handle with brass ferrule. Guaranteed for years of service. Blades precision hand ground to razor-like edge. Will notch, cut, part right and left, etc. A complete set for every job of model making, sculpturing, block printing, whitening, silk screening, on plastic, this low, low price. Add 25c handling cost. (Total \$2.00) worth much more. Sorry No C. O. D.'s.

NOVEL MFG. CO., Dept. CH-2299
 33 Second Ave., New York 3, N. Y.

A Complete Professional TELESCOPE



4-INCH DYNASCOPE

65X - 130X - 167X

A fine parabolic mirror reflecting telescope for every astronomer—amateur or professional—who insists upon fine optical performance. An instrument of this high quality has never before sold at anywhere near this astonishingly low price. In fact, it is the only reflecting telescope available for under \$100 with a parabolic mirror, rack and pinion focus and 3 achromatic eye pieces.

The *Dynascope* will resolve Epsilon Lyrae as four brilliant gems. The Herodotus Valley of the Moon can be clearly seen with breath-taking sharpness. Polaris and Zeta Ursa Majoris are resolved with excellent definition.

A fully achromatic precision instrument, scientifically constructed, the *Dynascope* will give you years of astronomical pleasure and satisfactory service. It is completely assembled, fully aligned, ready for use. Each *Dynascope* must pass rigid resolution and diffraction tests before shipment and is sold on an ironclad money back guarantee.

MAIL COUPON TODAY

CRITERION CO., Dept. SND-38
 331 Church St., Hartford 1, Conn.

Please ship me at once, subject to your money back guarantee, 4-inch *Dynascope* Telescope.

Enclosed find check or money order
 Send C.O.D. Free Illustrated Literature

Name.....
 Address.....
 City.....State.....

At an unbelievably low price
\$49.95
 F.O.B. Hartford, Conn.
 Shipping Weight 12 lbs.
 Express Charges Collect

