

GENERAL SCIENCE

Science Summer Schools

➤ APPROXIMATELY 4,500 high-school and 250 college teachers of science and mathematics will benefit during next summer from teacher-training programs sponsored by the National Science Foundation at summer institutes in 95 colleges and universities throughout the United States and its Territories.

Grants totaling \$4,800,000 support these summer institutes. Eighty-six of the institutes will be open only to high-school teachers of science or mathematics. Four will be open to both high-school and college teachers and five to college teachers only. Six institutes offering a course in radiation biology only for high-school teachers are being jointly sponsored by the Foundation and the Atomic Energy Commission.

"Often the critical motivating influence on the youngster groping his way toward a career is the high-school teacher," Dr. Alan T. Waterman, NSF director, said. "Teachers, after all, determine the quality of instruction. Able and dedicated teachers not only impart knowledge; they create a desire for it.

"Through its widely expanded summer-institute program, the Foundation hopes to provide opportunities for teachers of science to cooperate in improving the quality of their teaching and to learn at first hand of recent research progress in their respective fields. By this means more youngsters with aptitude for science may be motivated toward careers in science, mathematics, and engineering through improvement of the quality of instruction they receive in high school."

Congress at its last session ear-marked \$9,500,000 of its appropriation to the Foundation for the supplementary training of high-school teachers of science and mathematics.

The summer institutes are in addition to

16 academic-year institutes for which the Foundation recently announced support in an amount of \$4,065,000 and an expected enrollment of 750 high-school science and mathematics teachers. In both programs, teachers will pursue a course of study in science and mathematics planned especially for them and conducted by leaders noted not only for competence in their fields but for skill in presentation.

The Foundation grants to each summer institute will cover costs of tuition and other fees for a specified number of teachers—from 10 to 200, the average size to be approximately 50. Most institutes will pay stipends directly to participating teachers at the rate of \$75 per week. Additional allowances for dependents to a maximum of four and for travel are provided.

Applications for the institutes are being received by the institutions at which they are to be located.

In addition there will be a number of summer institutes supported by industry and private foundations, as there have been in past summers.

Science News Letter, December 29, 1956

Questions

ASTRONOMY—What is a transit? p. 407.

BIOPHYSICS—What is the effect of repeated X-ray doses compared to a large single dose? p. 402.

GEOLOGY—How can argon be used to date rocks? p. 406.

GEOPHYSICS—What are sub-satellites? p. 403.

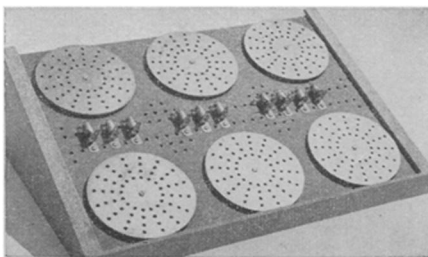
OCEANOGRAPHY—How much does the northern ocean level rise average per year? p. 405.

PSYCHOLOGY—What use has been found for testing a person's understanding of the meaning of proverbs? p. 408.

PUBLIC HEALTH—Why should people get their polio shots now? p. 409.

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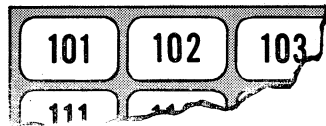
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