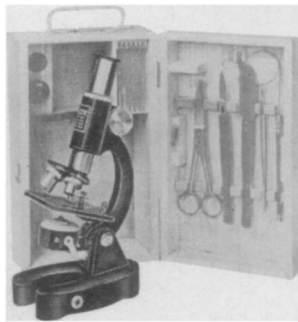


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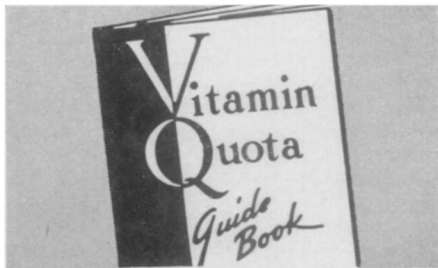
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MEDICINE

Super-Penicillin Arrests Resistant Staphylococci

➤ A NEW PENICILLIN developed at the Beecham Laboratories arrests staphylococci that are resistant to ordinary penicillin.

"Staph" has caused serious epidemics in even spic-and-span hospitals.

The new drug, covered by patents, is partly synthetic and partly extracted from a mold. The super-penicillin was made possible by the isolation of the central core of the penicillin molecule last year.

Full details on the new antibiotic were published in the British Medical Journal, Sept. 3, 1960.

The research team that developed the drug was led by Dr. George Rolinson. The scientists had guidance from Dr. Ernest Boris Chain, a scientist who shared the 1945 Nobel Prize for helping discover penicillin.

The new penicillin is absorbed into the blood stream and kills staphylococci, including those resistant to the older penicillins.

• Science News Letter, 78:190 September 17, 1960

MEDICINE

Staph Vaccine Helps Where Antibiotics Fail

➤ A STAPHYLOCOCCI vaccine has been developed by two researchers.

Drs. Kenneth L. McCoy and Eugene R. Kennedy of Providence Hospital report in the Journal of the American Medical Association, 174:117, 1960, that the vaccine brought an excellent response in 44 of 60 patients. The 44 had a rapid clearing of infection and freedom from reinfection for six months or longer.

The vaccine was used when antibiotics and other routine treatments failed. Staphylococci are bacteria that often cause such skin infections as boils.

• Science News Letter, 78:190 September 17, 1960

Questions

ASTRONAUTICS—How many times is the manned Mercury vehicle scheduled to circle the earth? p. 187.

GEOLOGY—Where has a second deposit of coesite just been discovered? p. 183.

MEDICINE—Why is ultrasonic energy most beneficial when directly applied to the skin of the area to be treated? p. 183.

PSYCHOLOGY—Which drug may be used to protect men against fear in combat? p. 179.

Photographs: Cover, Lt. Cecil W. Stoughton, Dept. of Defense; p. 179, General Electric Co.; p. 181, Convair Division of General Dynamics Corp.; p. 183, U. S. Geological Survey; p. 186, National Aeronautics and Space Administration; p. 192, Damar Products, Inc.