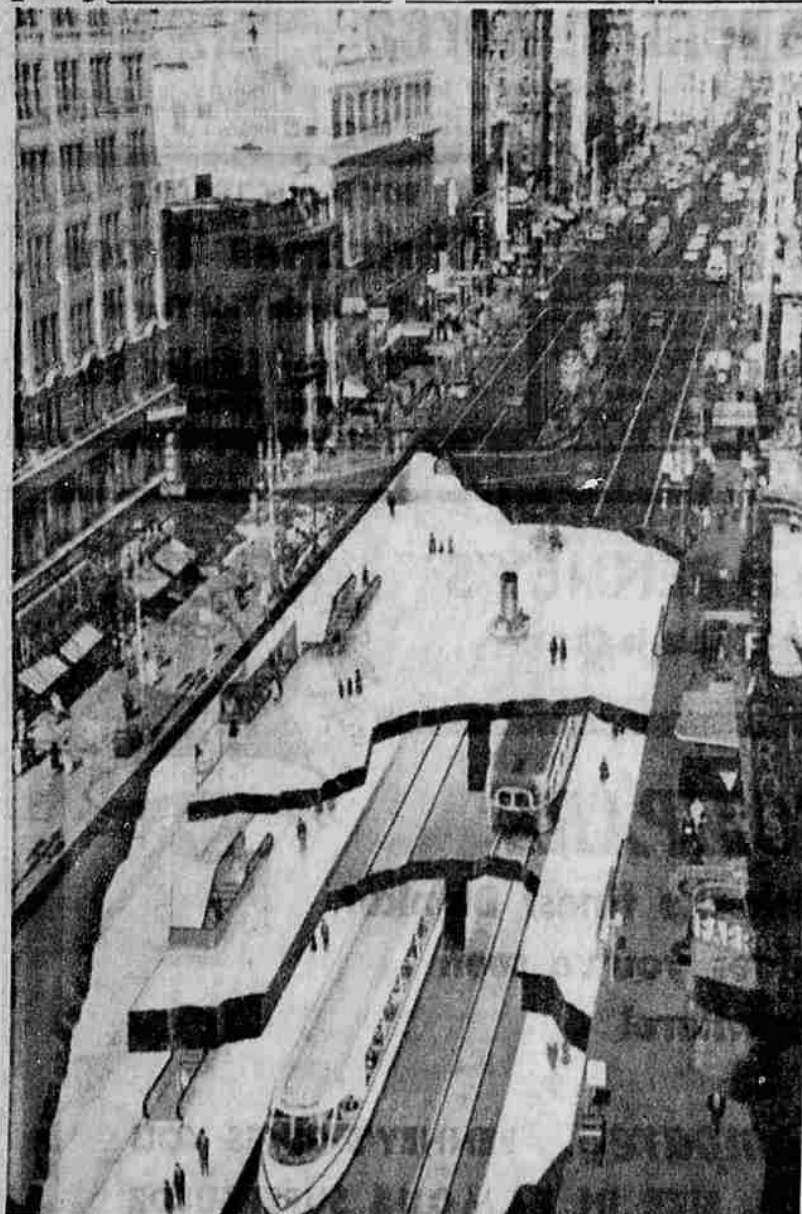




RAPID TRANSIT — This photo shows a cross-section of the Market st. subway planned in downtown San Francisco as an integral part of a rail rapid transit network being developed by a five-county Bay Area Rapid Transit District. High speed trains will utilize the lower level of the subway, while street cars now operating on the surface will utilize the center level during initial years of the subway. The upper level will be set aside for a continuous pedestrian mezzanine equipped with stations, escalators and entrance to downtown shops. This view was taken at the Powell st. station. Similar subways are planned in Oakland and Berkeley. (UPI Telephoto)

Successful Acne Treatment Has Been Developed

Chicago (Science Service)—An experiment with a new drug successful in treating the teen-age scourge of acne was reported at the American Academy of Dermatology and Syphilology meeting here. The antibiotic is Decimycin, a trade name for 7-Chloro-6-d-methyl-tetracycline. Dr. John H. Hicks of the University of Miami School of Medicine, Miami, Fla., reported.

Of 30 patients receiving the drug, he said 83 per cent showed good to excellent response. His experiment was in the form of a "double-blind" study in which a placebo was given to 16, but neither the patient nor the physician knew what medication the patient was getting until the test was completed.

Twelve of the patients developed a sunlight allergy from Decimycin, but by avoiding exposure to the sun, they were able to continue medication.

Another skin disease, psoriasis, was discussed by Dr. Rees B. Rees of the University of California's School of Medicine in San Francisco, who said it may be a delayed physiologic birthmark.

"An inborn predisposition," he said, "persists even after the scaly areas are brought completely or partially under control."

The drugs aminopterin and methotrexate slow down the cell reproduction when the outer layers of the skin race out of control, he said, but these drugs are subject to rigid Federal Food and Drug administration control and must be given directly to the patient by the doctor.

Pharmacist Studies 'Disintegrating' Agent of Tablets

Carrollis — The "disintegrating agents" that make tablets fall apart and let the medicine go to work are under study by an Oregon State college pharmacist, and powdered wood flour is being tried as a tablet substance with some promise.

The basic research project of Dr. Ben F. Cooper is designed to provide new information on the "mechanism"

of tablet disintegration. Such information might be valuable in tablet advances of the future.

Starch has been the traditional disintegrating agent for tablets for about 100 years, Cooper pointed out. It cannot be used in some cases, however, because it may not be compatible with the drug in the tablet.

It is in such cases that powdered wood flour may have potential for use in tablet manufacture, he believes. The wood products absorb moisture well—one of the essentials for a disintegrating agent—and appear to equal other agents in most respects.

Another substance it is entirely possible too, he adds, that some substance better than starch may be found some day although it has stood the "test of time" wonderfully well. It provided the breakthrough in tablet manufacture, Cooper noted.

The study also will include evaluation of wood products as tablet "binder" substances that hold the tablet together, and "lubricants" that permit the tablet to be compressed in manufacture without sticking.

Tablets are the most frequently prescribed dosage form because of ease of administration, economy of manufacture, stability, ap-

pearance, and accuracy of dosage, Cooper noted. Time of tablet disintegration can be adjusted now to take place over a period of several hours and at different places in the body—stomach, intestines, etc.

Cooper's research is supported by grants from the OSC graduate school and from Stanley Drug Products, Portland. Assisting on the project is Norman Billups, graduate student in pharmacy from Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.

Dr. Ben F. Cooper is a pharmacist at the Oregon State College, Corvallis.