

# New Compound Said Effective For Purposes of De-Germing

**BY DELOS SMITH**  
UPI Science Editor

New York (UPI)—Exacting tests have shown that the two chemical compounds generally used by surgeons to "de-germ" their own hands and the skins of their patients, are only a little more effective for that purpose than a good scrub with plain soap and water.

There is a new chemical compound, however, which is nine times more effective than plain soap and water. This was the good news announced by Drs. Arthur W. Frisch, Gordon H. Davies, and William Kippachne, of the University of Oregon Medical School, Portland.

"Degerming" is an increasingly critical matter, particularly in hospitals, because some sickening bacteria have become "resistant" to the antibiotic drugs which once promised to make "degerming" no problem at all. Now it's a major problem again.

**Iodine Is Ingredient**

The new compound holds iodine in a stable solution. The iodine content is controlled by a detergent component which releases it "on demand." Another component is chloride. Taken as a whole, it is a tricky compound but one which enhances the notable germkilling power of iodine.

The Oregon doctors pointed out in their technical report to the American College of Surgeons that iodine is one of the best degermers known to man. It kills more troublesome bacteria than any other, and kills them faster. But it can't be used like soap and water. It can burn the skin and it always stains it.

In the new compound, it doesn't burn and it stained very little, they said; furthermore, it will kill such tough micro-organisms as the polio virus, the bacterium which causes tuberculosis, and influenza "A" virus. It has a complicated chemical name; the doctor called it "virac."

**Ten Men Scrubbing**

The surgically popular degerming chemical compounds which their tests put in the category of plain soap and water are hexachlorophene which is the active ingredient of medicated soaps and of surgical solutions, and alkybenzoniium chloride which is better known as "zephiran."

Their method of testing was impressively scientific. Ten men scrubbed their hands with plain soap and water for one minute, rinsed their hands in a basin of water, then scrubbed them for another minute, and rinsed in a second basin.

From these basins, they went to more basins and scrubbed with the degerming chemical compound being tested, rinsing after each scrub. The basins of rinse water were analyzed for their contents of sickening micro-organisms, both as to numbers and varieties. These counts were then manipulated mathematically into an "index" which, by statistical analysis, was shown to be decidedly "valid."

The plain soap was a common grocery variety which shall be nameless here because the scientists just happened to use it and there is no

Austria and New Zealand are looking to the United States to buy more meat. They explain that we have plenty of beef for steaks, but the United States needs more meat for hot dogs and similar small items.

"Leave that stuff alone ...here's a whole pot of **SANTIAM BLUE LAKE STRINGLESS GREEN BEANS**"



**STRAIGHT-STRINGLESS ALL MEAT TENDER GREEN BEANS**



**CANDIDATE FOR NOBEL PRIZE**—Dr. Frederick Sanger, 40-year-old professor at Cambridge University, is expected to win the 1958 Nobel Prize for Chemistry. Dr. Sanger, here shown with his wife at their home in Cambridge, Mass., is famed for his work on the structure of proteins.

# Special Display Marks Birthday

In honor of the centennial birthday of Theodore Roosevelt this week a special display has been arranged in the Medford Public Library of books by and about the great soldier, statesman, and adventurer.

His own writings include "East of the Sun and West of the Moon," "A Booklover's Holidays in the Open," "Ranch Life and the Hunting Trail," "Trailing the Giant Panda," "The Wilderness Hunter," "The Strenuous Life," "The Winning of the West," "Fear God and Take Your Own Part," and "Letters to his Children."

Besides his autobiography, published in 1913, there are many books about the strenuous American by other writers. One of these is John Burroughs' "Camping and Tramping with Roosevelt," and another Jacob Riis' "Theodore Roosevelt, the Citizen." W. R. Thayer wrote "Theodore Roosevelt; an Intimate Biography" and Owen Wister "Roosevelt; the Story of a Friendship."

In addition to these are offered "The White House Gang," by Earle Looker, "My Brother, Theodore Roosevelt," by Mrs. Corinne (Roosevelt) Robinson, "The Roosevelt Family of Sagamore Hill," by Hermann Hagedorn, and "Theodore Roosevelt and his Time, Shown in his Own Letters," edited by J. B. Bishop. Each of these shows its own facet of the life of a great man.

In Brisbane, capital of the tropical state of Queensland, Australia, many houses in the suburbs are built on stilts to allow free circulation of cooling air.



**SAD JOKE**—Pranksters took this aged mare down a stairway in a San Francisco apartment house, and it took the SPCA and the Fire Department three hours to get her out again. In this picture, a fire department crane is hoisting the by-now-dying horse onto an SPCA ambulance. Later, at the SPCA shelter, the horse was destroyed to put it out of its misery.

**FAVOR SPITTING CHAMP**—Raleigh, Miss. (UPI)—Defending champion George Barry was favored today to win the annual tobacco spitting contest in a field day that will also feature contests in husband-calling and skill-throwing for the ladies.

**MARSHAL'S GUN STOLEN**—Hollywood (UPI)—Actor Gene Barry, fast-on-the-draw star of the "Bat Masterson" TV show, had the embarrassing job of reporting to police Wednesday that somebody stole his six-shooter during rehearsals.

# Markers Talked By Historians

Several Rogue valley historians this week completed a list of historical sites and discussed plans to mark the locations on a Jackson county map.

Sites will be indicated on a touring map to be made available to centennial visitors next year.

A priority list of sites may be set up to be marked by bronze plaques. The cost of such permanent markers is high, they noted, and the Applegate Valley committee, under the chairmanship of Robert Sorber, is attempting to solve the problem by designing a wooden plaque which can be produced easily at less expense.

The group also discussed placing more emphasis to historical sites and valley history through the speakers bureau. Persons willing to speak on some phase of Jackson county, or Oregon history to interested civic group are asked to call the Centennial office at SPring 3-2059.

Those present at the meeting were the Misses Claire and Mary Hanley, Jacksonville; Lee Pinkham, county surveyor; Mrs. Dwight Houghton and Dr. Frank Haines, of the Siskiyou Pioneer Sites Foundation; and Ernie Hood, Centennial chairman for Jackson county.

Bogota, Colombia (UPI)—Physicians here have suggested to local authorities that traffic violators be allowed to pay their fines in blood to build up the city's blood banks. The doctors suggested that fines should be charged off-within the limits of safety—at a rate of about a quarter of a pint of blood for each dollar.



**HEARTBREAK**—An unidentified woman breaks down and flees from the funeral services being conducted at Springhill, Nova Scotia, for miners killed in the coal mine collapse there. Rescue operations are still going on, but there is practically no hope for 77 miners still missing. Sixteen bodies have been recovered, and 81 miners escaped the cave-in alive. Fifteen of the survivors are seriously injured.

**MAY VISIT LOURDES**  
Venice, Italy (UPI)—Pope John XXIII may attend the closing of the Lourdes centenary next February, his former auxiliary said today.

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