

MEDICINE

Sulfathiazole Means of Mass Attack on Gonorrhea

SULFATHIAZOLE, one of the sulfa drugs, appears to be the means of an effective, broad-scale attack on gonorrhea, according to a study by Drs. J. F. Mahony, C. J. Van Slyke and R. R. Wolcott of the U. S. Public Health Service.

The Public Health Service physicians report on results of sulfathiazole treatment of 360 patients at U. S. Marine Hospital, Staten Island, N. Y. The gross rate of cure for the 360 patients was 85.4%. None of the patients was severely poisoned by the drug, and even mild symptoms were infrequent.

Science News Letter, December 27, 1941

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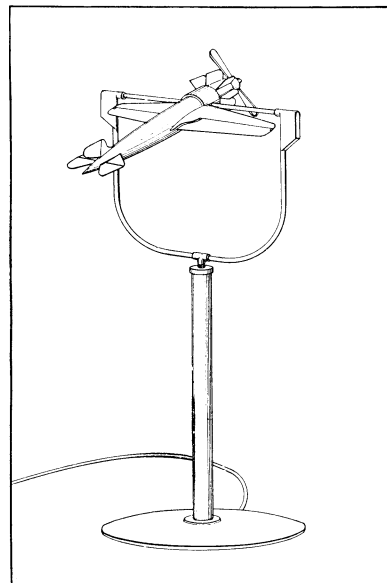
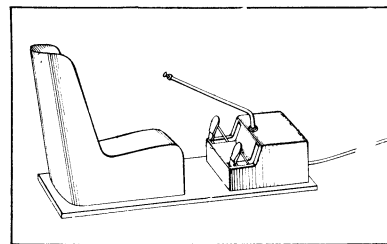
New Machines And Gadgets

Novel Things for Better Living

The amateur painter has a problem—how to keep his brushes during the long intervals between one little job and the next. For the professional who uses his brushes every day, the problem is not so acute. However, the problem has been solved by a handy flat can with a removable cover that has a hole in it that allows the brush handle to protrude. So far nothing unusual! But now comes the little trick that makes it something. A rubber collar pushed down the cover, prevents evaporation of the solvent and allows the brush to hang freely—a very important point in preserving a paint brush.

Permanent magnets are now made more strong and more lasting by a new process and a new material. The process consists in heating the magnet material and then allowing it to cool slowly in field of a powerful magnet. The material is composed of iron, nickel, aluminum and cobalt, with sometimes a small amount of copper. With these more powerful magnets, reductions in the size and weight of apparatus can be made.

This seat represents the pilot's place in an airplane. The learning aviator sits in it and manipulates the "stick" and the pedals before him and these, by means of electric impulses trans-



mitted through a cable, actuate the control surfaces of the model airplane shown in the lower cut. This model plane is so supported that it is free to turn in any direction. Wind from a fan blows against it so that it tilts or turns or noses up or down in response to the movements of the student aviator just as a real airplane would do under like circumstances. A patent has been awarded for this invention.

The photoelectric eye is accomplishing remarkable things these days. Perhaps one of the most remarkable is an arrangement in which an electric eye looks at a drawing or pattern, so to speak, and causes a pointer to follow the outline, just as a human being might do with aid of his own eyes and hand. A second pointer, actuated by the first through a pantograph, traces the same diagram or a larger or a smaller replica on another sheet. Or the second pointer may be replaced by a small blow torch which cuts the pattern out of some material.

A non-misplaceable blotter is an invention newly patented. You just can't misplace or lose it under a pile of papers, because it's right on top of your fountain pen. It is a little roll of absorbent material on top of the pen, and it fits inside the cap, so it cannot ink your pocket. When used up, it can be quickly replaced by a fresh roll.

Men, how would you like to light up your face just where you are about to

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shave it? This can be done with a dry shaver which has a little flashlamp incorporated in the case, a newly patented invention. It shines just where you are about to "mow 'em down." It is so deeply set in that it cannot shine in your eyes.

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., N. W., Washington, D. C., and ask for Gadget Bulletin 84.

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SCIENCE CLUBS OF AMERICA

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NEWS OF CLUBS

NEW CUMBERLAND, Pa.—A model of an atom smasher will be completed this year by members of the Science Club of New Cumberland High School. This active group operates the school's public address system and visual education program. Plans are now being laid for operating a weather bureau for the school. Some of the members are building radio transmitting and receiving sets while others are developing and printing their own pictures. Two of the members are carrying on experiments in color photography. The club is sponsored by John R. Smeltz, chemistry and physics teacher.

BRENTWOOD, Mo.—An exhibit for display at the Missouri Academy of Science Meeting is being built by members of the Lavoisier Club of Brentwood High School. The other club activities include maintenance of an aquarium stocked with animal life, and experimental work in the fields of botany, electricity and anatomy. The club is sponsored by Irl A. Gladfelter, science instructor.

DUKE CENTER, Pa.—The Science Club of the Otto Junior-Senior High School intersperses its work on scientific projects with a discussion of current scientific news and problems. The members of this group already have studied some taxidermy, geology, birds and trees. They have made model airplanes and studied various inventions. A recent trip to a game preserve familiarized the members with small game in its natural habitat and with the state's hunting laws. The club is sponsored by Harold Fenner, science teacher.

BEDFORD, Ind.—A general all-around activity is carried on by the Phi Pi Chi Club formed at Bedford High School. The programs and meetings cover fields of chemistry, physics, electricity, radio and photography. Convocation programs for both senior and junior high schools are worked out by the club members under sponsorship of W. D. Prather, science teacher.

SPENCER, Ind.—Many groups lose sight of the value of collections and hobbies as a dramatic power, but this is not so with the Spencer Science Club of Spencer High School. This group holds some very interesting hobby shows and makes numerous field trips during which it gathers materials useful for exhibits. The club is sponsored by Carl Corbin, teacher.

PRICEDALE, Pa.—Mere photography (printing, enlarging and developing) is not quite sufficient to satisfy the members of the Bio-Science Club at Rostraver High School. The members also do a lot of work along the lines of tinting and toning both still and motion pictures. Of course, other science demonstrations and programs are included in the club's plans. The sponsor is E. R. McLaughlin, science teacher.

ROCHESTER, N. Y.—The Third Annual Science Fair in Rochester will be staged in the new library building. This arrangement has been made because the fair promises to be too big for the quarters used in the past. A feature of the Fair will be a showing of science books arranged by the librarian. Extensive plans are already being made by the planning committee organized last spring and this bids fair to be the finest affair of its kind ever staged in Rochester.

Throughout the country Science Centers have

been established where members of science clubs can congregate and demonstrate their abilities. The Science Center at Rochester is under direction of Harry A. Carpenter, specialist in science of the Rochester Board of Education.

FRONT ROYAL, Va.—Activities of the Science Club calling itself the "TNT" established at Warren County High School, are an integral part of the chemistry course. Exhibits, demonstrations, and laboratory projects are carried on in the club and, coincidentally, in the classrooms. Groups are given opportunity to specialize in certain interests such as photography. The club is sponsored by Miss Vada C. Miller, head of the science department.

SYRACUSE, N. Y.—The 45th Annual Meeting of the New York State Science Teachers Association will be held in Syracuse from December 29 to 30 inclusive. A prominent place on the program will be given to discussing and planning science fairs, congresses and other activities for New York State Science Centers affiliated with Science Clubs of America.

In New York state science centers have been established at Buffalo, Rochester, Syracuse, Middletown, Oneonta, Peru, and Schenectady. In New York City and vicinity The American Institute of the City of New York carries on extensive activities, including operation of a science laboratory.

More than 300 science clubs in New York State take an active part in the functions planned by these science centers. Representatives from each center will appear on the New York State Science Teachers Association program and will repeat the prize-winning projects which won for them honors in their centers last season.

WILMINGTON, Del.—A very active science club has been sponsored by G. Emmett Kauffman of the Henry C. Conrad High School. In an article especially prepared for the Delaware School Journal, Mr. Kauffman has much to say

about the establishment of a science center in his state. Quite a number of his colleagues have already demonstrated an interest in such an organization while industrial concerns in Delaware have offered their support to such a venture.

PROVIDENCE, R. I.—A movie of one day in the junior class is one of the activities which is being planned by the Sedes Sapientiae of St. Xavier's Academy. The club is divided into smaller groups which work upon the chemistry of cosmetics, plastics, hydroponics, radio and programs for the club as a whole. Lectures by invited guests and visits to industrial plants, with discussions by the club members following the meetings, are some of the other activities. This group is sponsored by Sister Mary Constance, R.S.M., head of the science department.

LITITZ, Pa.—Experiments are performed regularly in the meetings of the Bio-Phy-Chem Club at Lititz Borough High School. Members of the club engage in free discussions on scientific subjects, hold a science fair and visit museums such as the Franklin Institute and manufacturing plants in the vicinity. The club is sponsored by Anna K. Miller, science teacher.

CALVERT, Texas—The members of the Science Club of Calvert High School are permitted to follow all sorts of nature activities. The activity which interests each member most is selected by that member and then the individual is expected to do a very thorough job. Club members have full use of the school laboratory. Group research also is carried on. This club is sponsored by Marshall Boyd, principal of the High School.

Clubs are invited to become affiliated with SCA for a nominal \$2 for 20 members or less. You can become an associate of SCA for 25 cents. Address: Science Clubs of America, 1719 N St., N.W., Washington, D. C.

ERRATA, Vol. 40, Nos. 1-26, July-December, 1941

PAGE	TITLE BEGINS	CORRECTIONS
26	Synthetic Starch	First synthesis of starch by Dr. C. S. Hanes of Cambridge Univ.
43	Vitallium Plates	Sub head and Par. 2, line 2, molybdenum for nickel
53	Mystery Explosive Plant	Col. 3, line 3, TNT for Toluene
58	Celestial Time Table	Line 4, Mars for Venus. Line 12, Venus for Saturn.
69	Cancer Growth Prevented	Par. 3, line 2, 80% for 20%; Line 3, four-fifths for one-fifth
76	Caption	Line 2, Nares for Nark
89	Van Gent Comet	Line 9, T. for Y.
174	Inkblot Test	Par. 9, line 3, S. for C.
185	Million-Year-Old Tobacco	Par. 1, Line 1, insert relative after plant; line 2, shrub for tree; par. 2, line 3, insert -like plant after tobacco; par. 3, line 5, plant for tobacco; last par., line 2, nicotiana for tree tobacco.
219	Air	Col. 3, par. 5, line 4, positively for negatively.
245	Caption	Line 1, W. for G.
248	Difficult, Rare Operation	Line 7, adenoma for andemona
251	Steel Famine	Par. 7, line 3, pounds for tons.
252	Star Two Million	Heading, line 1, read Two Million Million Miles Away; par. 2, line 4 to read, million million miles; line 29, billion for million.
300	Lead-tin Alloy	Par 4, delete first three lines and substitute The X-ray diffraction pattern showed
373	Drug Speeds Evolution	Line 3, sulfanilamide for sufamilamide.

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