

# Penicillin, Latest Triumph of Medical Research, Marks Another Long Step Toward Distant Goal

## 'Magic' Germ Killer Was Discovered by Fortunate Accident

By AL JEDLICKA  
Released by Western Newspaper Union.

It is back in 1929. Prof. Alexander Fleming of London discovers that a mold growing in a container which he is using in research has killed certain germs. Although Professor Fleming does not enter into a thorough investigation of the phenomenon, he takes the time to make a note of it, suggesting that maybe the mold could destroy germs in human infections.

Other English scientists go to work on the mold and in 1940 find it effective in human treatment. Penicillin, the magic drug, has been discovered, and like so many great other discoveries, by chance.

Penicillin is not the greatest nor the final discovery in medicine, but it is the latest and among the most effective, momentarily climaxing medicine's long, steady march forward on the path of alleviating man's pain.

Sought by king and commoner alike, penicillin has proven its usefulness in the treatment of streptococcus pyogenes, a germ that causes pus and promotes diseases like septic sore throat, childbed fever and erysipelas; of staphylococcus aureus, another pus-forming germ found in boils and in infections of the bone; of the pneumonia and diphtheria germs; of the organisms that cause gonorrhea, gas gangrene, meningitis and syphilis.

In Chicago's modern Museum of Science and Industry at the foot of Lake Michigan in Jackson Park, Dr. Milan Novak, head of the department of bacteriology and public health of University of Illinois college of medicine, has established a public exhibit demonstrating the processes in the present production of penicillin.

The penicillin exhibit is just one of many in the museum's medical section, which is under direction of Dr. E. J. Carey, dean of the Marquette university medical school, Milwaukee, Wis. In this section, we are given a graphic picture of man's gradual development of curative remedies from the early uses of vegetable and mineral substances.

**Seven Benefactors.**  
One exhibit pictures seven great men and their works which have given mankind boundless relief from its physical ills:

Karl Wilhelm Scheele (1742-'86), who discovered chlorine, the constituent of common compounds like salt; tartaric acids, which make fruits taste sour; manganese, the metallic element necessary for plant development, and oxygen, the most universal of all elements.

Pelletier and Caventou, who in 1820 extracted quinine, the active medicinal constituent of cinchona, the wrinkled brown bark found by the Spaniards in Peru in 1630, and most effective in treating malaria.

Louis Jacques Thenard (1777-1857) who found boric acid and hydrogen peroxide.

Frederick Belding Powder (1853-1927), who worked on development of oil of peppermint and wintergreen, and also oil of chaulmoogra, a

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# Star Dust

STAGE-SCREEN-RADIO  
By VIRGINIA VALE  
Released by Western Newspaper Union.

THE new "Transatlantic Quiz" show scheduled to start April 15 promises to be amusing; whether it will carry out its purpose, "to find out, through the participants, what Americans know about Britain and what the British know about America," remains to be seen. Col. David Niven, the movie star, who has been with the English army since the outbreak of the war, will be a regular member of the London panel when his war assignments permit. Russel Crouse, playwright, and Christopher Morley, author of "Kitty Foyle," will be regulars at this end. Slated for Saturday afternoons, the programs are done by the Blue network and British Broadcasting corporation.

Bonita Granville's fan mail has shot up considerably since she made "Are These Our Children?"—she's now second in the volume of mail



BONITA GRANVILLE

received by RKO players; averages 2,634 pieces monthly. The list is led by Ginger Rogers, who gets 3,500 letters a month.

Jack Lannon, Hollywood's best-known fog and rain maker, has a new job on his hands. He's been signed to handle the special weather effects which play an important part in creating the atmospheric setting for Cary Grant's new "None But the Lonely Heart."

Three narrow escapes in raids over German targets and in an RAF torpedo boat are recounted by Dave Olives, RKO Pathe News cameraman who is back after serving for nine months as a newsreel correspondent. He kept on cranking his camera during running fights with the enemy in the air, at sea, and in the Italian campaign. He lived with a torpedo boat squadron for three weeks.

Radio's "Great Gildersleeve" moved into Hollywood from the San Fernando Valley, primarily to save gas, tires and time—and two days later Warner Bros. sent for him to do a special picture for the Canadian government, in the neighborhood he'd just vacated!

More than 12,000 individual programs supporting 60 separate war campaigns were broadcast by Columbia Broadcasting system on the home front in 1943, according to a recent announcement. The promise of postwar television, in full, natural color, and a plea for freedom of radio are also contained in the report.

John Loder, host and director of "Silver Theater" on CBS, can't work at the same microphone with many of his guests whether he wants to or not. It isn't that he wants to be aloof—a fellow who stands six feet three just can't get together at a mike with a five foot glamour girl.

It's an April birthday for "First Nighter," one of radio's veteran serials—625 consecutive performances on its Mutual network. Barbara Luddy was selected as "First Lady" of radio twice, in 1940 and '43, for her performances as the perennial heroine.

Victor Borge has been signed to play the voice of a new animated cartoon character who is expected to outstrip Donald Duck, Mickey Mouse, etc., in the public's affections. Victor's Scandinavian accent will be used to portray Wallie Walrus.

Barbara Stanwyck turns blonde for the second time in her career for the role of the murderess in "Double Indemnity." "I'd always visualized murderesses as brunettes," she protested. "But evidently blondes are considered more unscrupulous this season."

**ODDS AND ENDS**—Howard Hawks is right in his element as technical adviser on sword-fishing scenes in the new Humphrey Bogart picture, "To Have and Have Not"—Hawks is rated among the nation's top game fishermen... It's a fur-lined sarong for Dorothy Lamour for Yukon sequences in the Crosby-Hope "Road to Utopia"... Alana Ladd, Alan Ladd's eight months' old daughter, has already been introduced to the motion picture world—her mother took her calling on papa during production of "And Now Tomorrow"... RKO is going all out on "Adventures of Sinbad the Sailor"; it's to be a lavish Technicolor production.

# PATTERNS SEWING CIRCLE



**Welcome the Sun!**  
THE sleeveless, low-necked sun-back dress with full dirndl skirt, big pockets and romantic tie-sash is here to stay—everyone, young and old, is bent on getting plenty of sun and air this summer. This bolero and sun-dress is one of the prettiest to be found!  
Barbara Bell Pattern No. 1942 is designed for sizes 12, 14, 16, 18, 20 and 40. Size 14, ensemble, requires 4½ yards of 38-inch material.  
Little sister's sun-dress with its own matching bolero can be made in the same fabric as her older sister's or mother's!  
Barbara Bell Pattern No. 1943 is designed for sizes 3, 4, 5, 6, 7 and 8 years. Size 4 requires 2¾ yards of 38-inch material for the ensemble. Send your order to:  
**SEWING CIRCLE PATTERN DEPT.**  
530 South Wells St. Chicago  
Enclose 20 cents in coins for each pattern desired.  
Pattern No. .... Size .....  
Name .....  
Address .....

## ASK ME ANOTHER?

A quiz with answers offering information on various subjects

**The Questions**

1. What is the facial aspect for which the Cheshire cat is noted?
2. What are a ship's davits?
3. WAC officers and enlisted personnel wear replicas of the headgear of what warrior maiden?
4. Who were the first printers?
5. What is the supercargo on a ship?
6. How long has Turkey been a republic?
7. If a stirrup bar is that part of a saddle to which the strap is fastened, what is a stirrup cup?
8. The Battle of Brandywine was fought in what state?
9. Where must all federal revenue raising bills originate?
10. What lines follow the quotation: "Is life so dear, or peace so sweet, as to be purchased at the price of chains and slavery?"

**The Answers**

1. Grinning.
2. Cranes for the lifeboats.
3. Athena.
4. The Chinese.
5. The officer or person on a merchant ship in charge of the commercial details of the voyage.
6. Since 1923.
7. A cup of wine or the like taken by a rider about to depart; hence a farewell cup.
8. Pennsylvania.
9. In the house of representatives.
10. "As for me, give me liberty or give me death."

**Oath on Bayonet**  
When a Nigerian native enlists in Britain's Royal West African Frontier Force, he is allowed to swear allegiance by touching his tongue to his bayonet, the age-old custom of such pagans who have no holy book, like the Bible or the Koran, on which to take an oath.

**MONEY CAN'T BUY**  
aspirin faster-acting, more dependable than genuine pure St. Joseph Aspirin, world's largest seller at 10¢. Why pay more? Big 100 tablet size for only 35¢.

**It's New!**

**It's Fast!**

**It's Better**  
than any other dry yeast we ever used, say 8 out of 10 women recently surveyed

**FLEISCHMANN'S DRY YEAST**

**No Ice-box Needed!**

—Buy War Savings Bonds—

**So Crisp!**  
**Kellogg's RICE KRISPIES**

"The Grains are Great Foods"—K.H. Kellogg

• Kellogg's Rice Krispies equal the whole ripe grain in nearly all the protective food elements declared essential to human nutrition.

**IN THE NAVY**  
they say:

**"ROPE-YARD SUNDAY"** for Wednesday afternoon

**"4TH CLASS LIBERTY"** for a look at shore from deck of a ship

**"CAMEL"** for the favorite cigarette with men in the Navy

**"FIELD DAY"** for thorough cleaning of ship

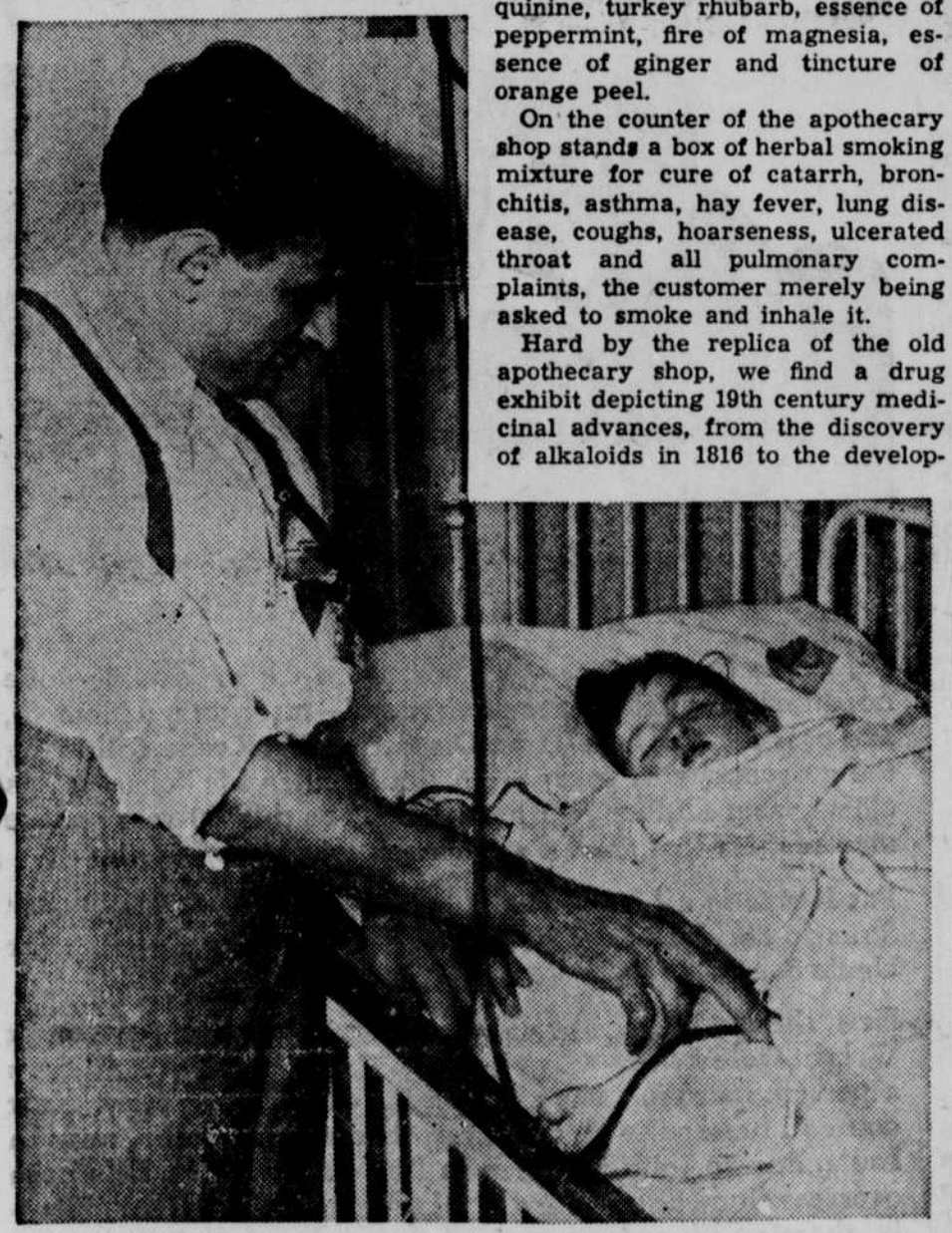
**\* FIRST IN THE SERVICE \***

With men in the Army, Navy, Marine Corps, and Coast Guard, the favorite cigarette is Camel. (Based on actual sales records.)

**CAMEL**

U.S. BLUEJACKET IN "BATTLE GEAR"

**TAKE IT FROM ME—YOU CAN'T BEAT CAMELS FOR EXTRA MILDNESS AND FRESH FLAVOR!**



The first time the rare drug was ever released for civilian use was in the case of Patricia Malone, two-year-old New York city girl, who was suffering from the staphylococcal type of septicemia. The army gave enough penicillin to halt the disease, when appealed to by a New York newspaper.

## Until Synthetic Method Is Devised, Production Of Penicillin Will Remain Slow and Costly

Brought doubly into the limelight by frequent dramatic uses of the drug, penicillin has been made available in cases where the patient would respond to it, Dr. Austin E. Smith, secretary of the council on the American Medical association, said.

Because of its comparative scarcity, Dr. Smith stated, unlimited use of penicillin has not been permitted, and in cases where other

drugs, like the sulfonamides for instance, are effective, authorities have insisted on employing them instead.

Until synthetic production of penicillin is developed, its manufacture will continue a costly and cumbersome process. At the start of the year, about eight firms were producing quantities of penicillin, and the total was expected to be expanded to 21.



This tiny sealed vial contains 10,000 Florey units of penicillin.