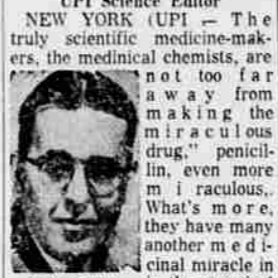




Medical Chemists Rapidly Correcting Penicillin Defects

By DELOS SMITH
UPI Science Editor



NEW YORK (UPI) — The truly scientific medicine-makers, the medical chemists, are not too far away from making the miraculous drug, penicillin, even more miraculous. What's more, they have many another medicinal miracle in the chemical works. They revealed their hopes and plans at the 145th national meeting of the American Chemical Society. In effect they are rejoicing over their increasing ability to "tailor" chemical molecules whichever way they wish, including molecules derived directly from nature.

Such a molecule is that of penicillin, an anti-bacterial product of fungi. Miraculous as it has been in fighting the bacterial infections of human beings, it has a number of defects from the human viewpoint. These are now being rapidly corrected by the medicinal chemists.

When put into people the natural penicillin molecules are eliminated quickly. That's a defect. They're not stable in body chemistry, which is another. They're not effective stoppers of many kinds of people-sickening bacteria and one kind of especially virulent bacteria now routinely produces an enzyme which renders the penicillin molecule powerless.

Dr. John C. Sheehan of the Massachusetts Institute of Technology, Cambridge, Mass., reported to a symposium that medicinal chemists were well changing the penicillin molecule about so it will be the bacteria killer without defect.

They're doing it by adding materials foreign to fungi to the fermentation broths in which fungi are making the molecules. They're also changing the molecules after the fungi have made them. Still more important, they're learning how to make the complete molecule entirely on their own which means they will eventually "tailor" it as they please.

Dr. Fred W. Schueler of Tulane University, New Orleans, who was chairman of the symposium, summarized all that's going on in medicinal chemistry thus: "Operating from the broad and deep bases of modern chemistry and pharmacology, which are rooted in the enormous informational and technical resources of a score of other sciences, there has evolved a new methodology, molecular

modification, that is of the profoundest importance to all mankind."

The techniques of "molecular modification" have been developing for the past 25 years. In that time they have produced more useful medicines than were produced in all of man's previous history. But what has been done will appear small in the face of the wonders to come.

Achievements Noted

Dr. Lawrence P. Garrod, emeritus professor of bacteriology at the University of London, who presided over the first tests of the penicillin molecule in human beings sick from bacterial infections, spoke of what the medicinal chemists have so far achieved against man-sickening bacteria and of what they still must do.

"Most specific infections are now well under control," he said. "These include not only those communicable from man to man but those derived from animal sources in which no opportunities exist for acquired microbial resistance."

"On the other hand, there are actually have been an increase in nonspecific infections because of 'opportunistic' bacteria which are resistant to most anti-bacterial agents. Many chronic, as distinct from acute, infections are also still unamenable to treatment."

Methodist Men Attend Assembly During Week End

Ten Medford men attended the eighth annual Methodist Men's Assembly at Salem Friday, Saturday and Sunday.

An attendance award was presented to C. R. Adamson for being present at all eight sessions and John Kent received a citation for attendance at four sessions. Others attending from Medford were Walter Higgins, Floyd Wisely, Lester Lollis, Everett Faber, Robert France, Charles Thompson, Dr. George Roseberry and Ray Neptune.

The conference explored the theme, "Religion in the Age of Scientific Technology." As keynote speaker Dr. Donald W. Stotler, science supervisor of the Portland public schools and recipient of numerous decorations and awards in the field of science, said, "In this age of highly specialized effort too often specialists in one field are not fully aware of progress in even closely related fields. We need to find ways to coordinate progress in social, educational, religious and scientific areas, for they all are parts of our way of life."

Other scientists and religious leaders participating in the discussions included Dr. Lee B. Lusted, senior scientist at the Oregon Regional Primate Research center at Beaverton, professor of radiology at the University of Oregon Medical School, and professor of engineering at Oregon State University; Dr. Ellis B. Jump, head of the department of anatomy at University of Oregon Dental School, Dr. Raymond E. Balcomb, former pastor of First Methodist church, Medford, now pastor of First Methodist church, Portland; and Dr. David Poindexter, pastor of Parkrose Methodist church, Portland.

Italian Widow To Wed Henry Ford

MILAN, Italy (UPI) — The newspaper Il Giornale today quoted Cristina Austin, the beautiful Italian-born widow of a British naval officer, as saying "I will marry Henry Ford II as soon as he obtains a divorce."

Mrs. Austin has been linked with Ford in press reports since the automobile magnate announced his separation from his present wife earlier this summer. Il Giornale reporter Giordano B. Lupatina said Mrs. Austin had told him it was "much better" if she and Ford were not seen together until after he obtains a divorce.

"American judges are very fussy in these cases. It is better not to irritate them," she was quoted as saying.

But she added that "one night we danced together at Annabelle's under the eyes of two American press photographers who failed to recognize us," according to Il Giornale.

SEABORG NAMED HYANNIS PORT, MASS. (UPI) — President Kennedy Saturday named Glenn T. Seaborg, chairman of the U. S. Atomic Energy Commission, U. S. representative to the seventh session of the general conference of the International Atomic Energy Agency.

Discovery of insulin revolutionized the effective treatment of diabetes.

Try and Stop Me

By BENNETT CERF

A TV PRODUCER had scored a success with a show featuring a talking dog, so he reasoned he'd do even better with a follow-up involving TWO talking dogs. On the night of the show, the two trainers showed up with their beautifully trained pooches—but at sight of each other the dogs bristled and began growling ominously.



"What's the trouble?" demanded the producer. "Don't they like each other?" "Like each other!" echoed one of the trainers. "They aren't even speaking!"

Jack Fuller tells of a young couple who received an unbelievably hideous cheese cutter as a wedding gift, hand-somely monogrammed with their initials. They stashed it out of sight for months until some friends also planned a trip to the altar. They then sent the cheese cutter back to the store whence it had come, asking for a rush job in having the monogram changed. Alas! The store replied by wire: "Monogram already removed so many times impossible to do it again."

Overheard backstage at the Copacabana: "I go with him because he has a will of his own—and it's made out in my favor!"

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Personnel At Gold Hill Schools Listed

GOLD HILL — Teachers returning to Hanby Elementary school for the 1963-64 year, which began today, include Norman Holden, 5th grade; Mrs. Mildred Black, 7th grade; Walter Doherty, and Leon Myers, 8th grade.

Marvin Throne will again be in charge of classroom music and have the school band. Mrs. Lorraine Linne will have the library and homemaking. Cornelius Janzen will be in charge of guidance in district 6 and will also teach special classes of math at Hanby school and Central Point Junior High school.

New teachers are Mrs. Lois Hickerson who will have a split 5th and 6th grade; Paul McBeth will teach a 6th grade and Jack Parker will work with Mrs. Black in the 7th grade area and will teach shop.

Leon Myers will be varsity coach and Walter Doherty will be in charge of the J.V.'s. Marvin Throne will assist during the football season.

Teachers returning to Patrick Elementary are Mrs. Barbara Toner and Mrs. Wilda Franks, 1st grade; Mrs. Marie Brannock and Mrs. Mary Howell, 2nd grades; Mrs. Alice Beneka and Mrs. Mildred Mac, 3rd grades; Mrs. Barbara Eatherston and Mrs. Ida von Buskirk, 4th grades.

Mrs. Brannock will have charge of primary grade music at Patrick. She will be assisted by Mrs. Howell, Mrs. Mack and Mrs. Beneka, who will teach

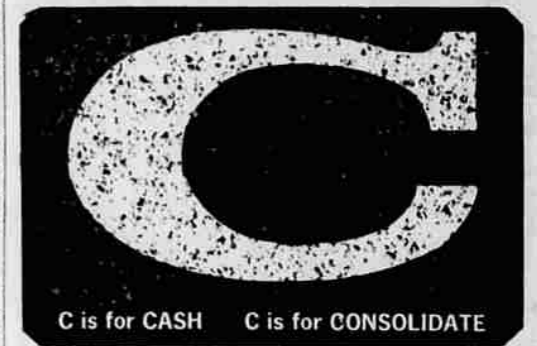
their own classroom music. Marvin Throne will teach 4th grade music and will direct a 4th grade tonette band.

Secretaries, Custodians
Mrs. Ivy Doherty will be secretary at Hanby Elementary school. Secretary at Patrick Elementary is Mrs. Ruth Peffley. Mrs. Frances Throne has charge of the cafeteria. And

Charles Foote is custodian at Patrick.

Mrs. Paul Thompson is in charge of the Hanby cafeteria. Mrs. Shirley Vale assists between the two cafeterias. Custodians at Hanby are Walter Bertch, and Walter Whitney a part time bus driver, No. 7 bus.

Other bus drivers are Henry Paulson, No. 6 bus; Sierran Kiger No. 8 bus; Joe Morgan, No. 10 bus; Iver Sand's, No. 13 bus. George Datsford drives the bus from Sams Valley for 7th and 8th grade pupils.



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Exams Scheduled For Academies

The competitive examination for nomination to the U.S. Air Force, Merchant Marine, Military, and Naval academies will be held in Medford, Ashland and Grants Pass on Wednesday, Nov. 9, Sen. Maurice B. Neuberger has announced in a report recently.

The purpose of the examination is to provide an objective testing method to aid Senators and Representatives in the selection of nominees to the four academies. Qualified young men who are seeking a nomination should write to Senator Neuberger or other members of the Oregon Congressional delegation for authorization to take the test.

The climate in New Mexico ranges from that of Hudson Bay to that of New Orleans because of a vast difference in the state's elevations.

Old Fire Truck Aids In Publicizing Ball

TALENT—The old 1913 La-France fire truck made a run through the streets of Talent Saturday afternoon, Aug. 31, to advertise the firemen's ball held that night.

As it wheezed and chugged through the streets with one fireman pumping oil into the engine and one operating the screaming siren, it was a sight for the people to see.

The siren operator, Harold Kingery, fell from the fender as they rounded a corner and suffered an injury to his knee. He was taken to the Rogue Valley hospital, after treatment, he returned home in time to attend the dance.

The ball itself proved to be a great success and approximately \$200 was added to the firemen's fund.

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