

First Steps Toward Control Of Virus Diseases Told By Expert At Symposium

By ALTON L. BLAKESLEE
Associated Press Science Reporter

NEW BRUNSWICK, N. J. — Some first steps toward control of virus diseases were described by a virus expert.

A few chemicals have been found which interfere with the reproduction or multiplication of viruses inside the living cells which viruses invade. They slow down or sometimes halt the attack by the

viruses. This work has been done only in animals and test tubes. It is just a little beginning toward a practical goal—finding drugs which will stop or combat virus diseases in humans. Viruses cause such diseases as polio, influenza, common colds, and smallpox.

These beginnings in the great virus challenge were described by Dr. Frank L. Horsfall Jr., of the Rockefeller Institute for Medical

Research, New York, at a symposium on microbiology at the newly dedicated Institute of Microbiology here at Rutgers University. Horsfall presented evidence for the theory that virus diseases may be prevented, halted, or made less severe if a chemical monkey wrench can be tossed into the virus' reproductive machinery.

A big difficulty is that viruses enter living cells and reproduce there. The drugs must affect the viruses without upsetting too much the delicate normal machinery of living cells.

One chemical which works this way is a sugar obtained from the skins of certain pneumonia germs. It saves mice from death from virus pneumonia, if given within

a few days after they are given doses of the virus.

Some other chemicals show similar ability to interfere with virus multiplication, particularly if given early in the infection. Only a few have been found, and a chemical which acts against one type of virus may not do anything to another type.

One of the biggest handicaps in this search is that extremely little is known yet of the exact methods by which viruses dangerous to humans or animals reproduce themselves.

In effect, some of the chemicals now being studied hold an infection down to sub-clinical or inapparent levels, Horsfall said. If similar drugs could be developed for hu-

mans, they might not only prevent the appearance of obvious disease, but create immunity against a second infection.

Crater Lake Park To Receive Funds

WASHINGTON — Secretary of the Interior McKay has announced details of the highway improvement program proposed for the national park system in the fiscal year starting July 1. It includes more than 2½ million dollars for Washington and Oregon.

President Eisenhower this week asked Congress to approve a supplemental appropriation of \$5,275,000. The budget previously had proposed \$4,225,000, which means an appropriation of \$9,500,000 is now being sought.

McKay said the program would be divided equally between park-

Long-Delayed Railroad Rate Decision Expected July 7

DENVER — A Denver & Rio Grande Western Railroad bid to gain joint rates with the Union Pacific Railroad on transcontinental commodity shipments over the D&RGW's Ogden Gateway route will be decided July 7. But the complaining road and officials of other railroads agree the ruling probably will be appealed.

Three federal judges will act on the basis of testimony by more than a score of railroad, state and federal officials at a two-day hearing which ended Wednesday.

The case, launched five years ago, is an appeal by the D&RGW of an Interstate Commerce Commission order which allowed the road joint rates with Union Pacific on a total of 10 commodities.

The D&RGW asked joint rates on all commodities Union Pacific and others, including the states of Washington, Wyoming, Oregon, Nebraska and Montana, oppose the move.

The UP claims court approval of the joint rates request would divert large amounts of traffic from its Ogden-to-Denver line, which it says is shorter and 24 hours faster than D&RGW service between those points.

Robert E. Quirk, counsel for the D&RGW, countered with the claim his road frequently carries traffic diverted from Union Pacific. "In 1949," he said, "the blizzards in Wyoming forced the Union Pacific to divert 4,200 carsloads and 17 passenger trains to the Denver & Rio Grande line."

"If the D&RGW is to accommodate thousands of cars in emergency situations and by government request in time of war, and then be treated as an isolated road at other times is that commensurate with the provisions of the national transportation policy?"

Elmer B. Collins, counsel for the Union Pacific, replied that road is in business to "serve the public and make money while doing it, just as the D&RGW is." But he added:

"There's nothing in the ICC regulations which required that a road sacrifice its well-being just to be generous to a competitor."

Music Making

- | ACROSS | DOWN |
|---------------------------------|---|
| 1 Violin accessory | 1 Parts of Scottish musical instruments |
| 4 Orchestral score | 2 Wind instrument |
| 8 Stop | 3 Weekday |
| 12 President Lincoln | 4 Harbors |
| 13 Curved molding | 5 Cause |
| 14 Malaria | 6 Number |
| 15 "Nearer, My Friend, to Thee" | 8 Biblical figure |
| 16 Enliven again | 9 Seaweed |
| 18 Legislative bodies | 10 Musical instrument |
| 20 Minds | 11 Golf mounds |
| 21 Abstract being | 17 Headache remedy |
| 22 Unlock | 19 Caper |
| 24 Sail support | 23 Orifices |
| 26 Undemocratic person | |
| 27 Falsehood | |
| 30 Accuse | |
| 32 Branching | |
| 34 French carriage | |
| 35 Woman adviser | |
| 36 Soar aloft | |
| 37 Weapons | |
| 39 Try | |
| 40 Volcano in Sicily | |
| 41 Obtain | |
| 42 Eat away | |
| 45 Noisiest | |
| 49 Holding back | |
| 51 Household god | |
| 52 Earthy material | |
| 53 High cards | |
| 54 "It's a Sin to Tell a Lie" | |
| 55 Seth's son (Bib.) | |
| 56 Impudent | |
| 57 Furtive | |

Answer to Previous Puzzle

ACROSS
1. Violin accessory
4. Orchestral score
8. Stop
12. President Lincoln
13. Curved molding
14. Malaria
15. "Nearer, My Friend, to Thee"
16. Enliven again
18. Legislative bodies
20. Minds
21. Abstract being
22. Unlock
24. Sail support
26. Undemocratic person
27. Falsehood
30. Accuse
32. Branching
34. French carriage
35. Woman adviser
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53. High cards
54. "It's a Sin to Tell a Lie"
55. Seth's son (Bib.)
56. Impudent
57. Furtive



FROM NINE TO FIVE



FUNNY BUSINESS



MISSING — Arvid N. White, 32, a combat veteran of World War II is missing. He may be suffering from amnesia. Douglas County residents have been asked to watch for the Medford man. He is 5 feet 8 inches tall, weighs 145 pounds, has dark hair and brown eyes. He has a tattoo on one arm of the U. S. flag over initials ANW. Information concerning the father of three may be forwarded to the Medford Police Dept., the Medford Mail Tribune or directly to Mrs. White. Her telephone number is 2-7413.

WATCH! WATCH! FOR THE "COVER THE EARTH GIRLS"

CAPTAIN EASY



FRECKLES AND HIS FRIENDS



LI'L ABNER



ALLEY OOP



BLONDIE



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