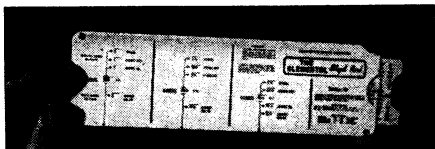


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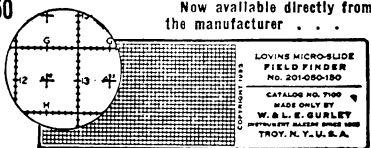
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GENERAL SCIENCE ICSU Urges Non-Discrimination

➤ THE INTERNATIONAL COUNCIL of Scientific Unions at its Eighth General Assembly in Washington urged a policy of political non-discrimination.

In keeping with the purely scientific character of ICSU, the General Assembly approved the following statement:

"1. To ensure the uniform observance of its basic policy of political non-discrimination, the ICSU affirms the right of the scientists of any country or territory to adhere to or to associate with international scientific activity without regard to race, religion or political philosophy.

"2. Such adherence or association has no implications with respect to recognition of the government of the country or territory concerned.

"3. Subject only to payment of subscriptions and submission of required reports, the ICSU is prepared to recognize the academy, research council, national committee, or other bona fide scientific group representing scientific activity of any country or territory acting under a government, de facto or de jure, that controls it.

"4. Meetings or assemblies of ICSU or of its dependent organisms such as its special committees and its joint commissions should be held in countries which permit participation of the representatives of every national member of ICSU or of the dependent organisms of ICSU concerned, and allow free and prompt dissemination of information related to such meetings.

"5. ICSU and its dependent organisms will take all necessary steps to effect these principles."

Science News Letter, October 18, 1958

VIROLOGY Virus Can Travel Through Dead Tissue

➤ VIRUSES that can move through dead tissue, without the help of living cells, may mean the beginning of virus disease control in plants.

Farmers may be able to control deadly plant virus diseases with chemicals as a result of studies being conducted at the U. S. Department of Agriculture's research center in Beltsville, Md. Today there are no known practical control methods using chemicals.

For the first time, USDA scientists I. R. Schneider and J. F. Worley report the movement of the virus disease, southern bean-mosaic, from dead to living plant cells. If the scientists are dealing with the smaller infectious particles of the virus, rather than the whole virus, they believe control is possible.

Previous research has shown it is possible to keep the virus particles, mostly nucleic acid, from causing disease while the whole virus is more difficult to damage.

Chemicals applied as seed or soil treatments, leaf sprays or in other ways, could inhibit movement of the infectious particles

and prevent the virus's increasing in a new spot on the plant.

Control methods now consist of cutting out infected plants, developing virus-resistant strains, or controlling the insect carriers of virus diseases.

In their research the USDA scientists killed stem sections of bean plants with steam, then injected the virus into the water-conducting cells below the dead tissue. Since virus disease symptoms appeared on leaves well above the killed areas, the scientists believe small virus particles may have gone through. The virus also multiplied in the living cells.

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