

RESEARCH REPORT from Page 3  
the following areas:

- 1) Selfing, crossing and selection programs;
- 2) Self-incompatibility;
- 3) Tissue culture including efforts investigating possibilities for somaclonal variation;
- 4) Flower suppression and improved methods of emasculation;
- 5) As activities permit, increase the 16B selection for testing and evaluations at the University of Minnesota and other sites.

## NEW AID IN DUTCH ELM FIGHT

It's active ingredient Copper Sulphate Pentahydrate is widely known to be very deadly to fungus and bacteria. Take this chemical, build it into a complex highly structured molecule designed to be soluble, safe to plants and very active within a trees internal environment; and you have achieved something no one else has ever done. Provide a low cost, and easy to apply organic chemical that very effectively kills the Dutch Elm Disease

fungus from the inside of the tree. The owner of this chemical, known as PHYTON-27 is Source Technology Biologicals, Inc., a Minneapolis based firm who also is developing a number of other unique materials that deal with fungal, bacterial, and viral diseases of shade trees, orchards, field crops, seeds, back yard garden and a non-toxic wood preservative.

It's largest shareholder is the University of Minnesota, who recently committed itself to another large purchase of stock.

PHYTON-27 was designed in the mid-1970's by two research scientists while they were employed by the University of Minnesota. Field testing started in 1977 at a number of locations throughout the United States by Dr. Marvin Whitehead. Source Technology Biologicals, Inc. began marketing PHYTON-27 in 1984.

PHYTON-27 is a new departure from the other materials on the market used to inject elms, and has many significant qualities. 1) It is fungicidal, vs. fungistatic, which means it actually kills

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## DUTCH ELM from Page 5

the Dutch Elm Disease fungus within the tree; other products only allow the fungus not to grow or reproduce. 2) A simple, low trunk injection is only required vs. the below ground root flare injection because it translocates throughout the tree so well. Thus, wounding of the tree is decreased substantially, as well as the labor needed to perform the injection. 3) Because of the nature of its composition, PHYTON-27 does not burn or harm the plant itself. In fact, because of its broad spectrum activity, most trees show a marked improvement in health and vitality following injection.

## IN MEMORIAM

It is with a great deal of sorrow that we announce the death of Harold W. (Stoddie) Stodola. Harold died in United Hospital on April 20 at the age of 82. He was a past president of the Minnesota Golf Course Superintendents Association and the Golf Course Superintendents of America, the national organization which he held together during the World War II years when there was very little activity in the



Stoddie at Hazeltine for First Stodola Research Fund Tournament.

field.

Stodola's lifelong association with golf began when he was a teenage caddie at Oak Ridge Country Club. He later studied agronomy at the University of Minnesota and was the Gophers' top golfer in 1926.

He was head superintendent at Keller from 1926 to 1942 and later held that position at Firestone Country Club in Akron, Ohio; Paradise Valley Country Club in Phoenix, Ariz., and the Tucson, Ariz. Country Club.

Stodola returned to Minnesota in 1968 to become superintendent of Mendakota Country Club in Mendota Heights. Even after retiring in 1977, Stodola worked part time at Somerset Country Club Mendota Heights until last year.

"He loved golf," said Jerry Murphy, superintendent and general manager at Somerset. "He told me many times that being outside, working with nature and living plants and seeing the appreciation of golfers as they came by and saw all his handiwork was the most enjoyable thing he could imagine."

Needless to say, we will all miss him and deeply appreciate the rich legacy he left all of us in the turf industry.



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