Early settlers found that Indians buried fish beneath corn to supply slow-release or organic-type fertilizer. You can still smell up turf and ornamentals. But there's a better, more dependable way to supply slow-release nitrogen.

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205 White Bear Avenue, St. Paul, Minn, 55109.
We are often reminded that Socrates went about giving advice. He was poisoned. But times have changed. People are willing to pay for value received, and today good advice carries a monetary value.

Norman J. Scott of Willowdale, Ontario, Canada, made this point at the recent International Shade Tree Conference at Philadelphia, Pa. After finding retirement a bit too monotonous, he started a horticultural consulting service. His point, directed to arborists attending the 43rd Conference was that they dispense advice freely with no thought of remuneration for advice only. He said this is not true of many other professions, the implication being that it should not be true in any business where technical information based on years of experience and background are so important in determining overall costs of a venture.

Scott has found that municipalities no longer depend on advice from a firm doing the landscaping or tree work but come to him for professional advice. He believes that the consultant in the horticultural field can serve a role parallel with that of the architect in the building industry. In talking to tree care company men and to contract applicators, we find they offer their qualified advice and many times see the job go to a competitor or even a part-time operator. Scott says there will be little business to be found with the private homeowner on a strictly consulting basis. But government departments at all levels, industries, insurance companies, and large stores dealing in retail horticultural products can use a paid consultant to advantage.

We know that few tree men would give up their business for a strictly consulting venture. Nor would many choose this on retirement. But there are likely numerous tree companies with the size and experienced personnel to run a consulting service as a distinct and separate phase of the existing business. Queries which obviously call for advice which could logically be chargeable could be referred to this department.

Advertising by direct mail might bring in more business than expected. Scott has found that word of mouth by lawyers, real estate appraisers, and others have kept him busy.

**Money For Your Advice**

WEEDS TREES AND TURF is the national monthly magazine of urban/industrial vegetation maintenance, including turf management, weed and brush control, and tree care. Readers include "contract applicators," arborists, nurserymen, and supervisory personnel with highway departments, railways, utilities, golf courses, and similar areas where vegetation must be enhanced or controlled. While the editors welcome contributions by qualified freelance writers, unsolicited manuscripts, unaccompanied by stamped, self-addressed envelopes, cannot be returned.

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Researchers Study New Methods
For Combating Aquatic Weeds

LYLE W. WELDON and ROBERT D. BLACKBURN

The unique field of aquatic weed control requires new approaches and concepts if aquatic weed nuisances are to be economically controlled. Proper placement of the chemical may be the most important factor for effective plant control.

Research on new application techniques has been part of the aquatic weed research program at the USDA, ARS aquatic research laboratory at Fort Lauderdale, Florida. Since a majority of aquatic plants float on the surface of the water, concentration of the chemical at the water surface would lead to more efficient utilization of the chemical.

Walnut shells, corn cobs, and many other floating materials were tested as herbicide carriers in greenhouse tests. A coarse grade vermiculite granule was found to be the most effective floating material to serve as a carrier of diquat and paraquat. The granule formulation is either applied to the surface by blower or by simple hand distribution.

Floating granules of paraquat proved the most effective single treatment for control of alligatorweed in research conducted in Florida, South Carolina, Georgia and Louisiana. Paraquat must be applied at the rate of 6 pounds active ingredient per acre. Though this chemical is not yet approved for use in aquatic weed control, it has proved itself at the research level. Tests generally showed that two or three applications were needed for control. Costs of paraquat could be expected to range from $80 to $100 per treatment. Thus 2 or 3 applications would make alligatorweed control exceedingly expensive.

Alligatorweed is a problem throughout the Southeastern US.
It obstructs water flow, hinders navigation, and generally interferes with proper utilization of water.

**Duckweed Common in Small Ponds**

Duckweed is almost a universal problem in small ponds. It has been effectively controlled with floating granules of diquat in several farm ponds. The most satisfactory rate of application of diquat was found to be 0.5 parts per million of active ingredient. The granules blown onto the surface of a pond were found to move around the surface of the water with the floating fronds of duckweed.

Tests have been underway in connection with this research at the Fort Lauderdale experiment station for the past 6 years in cooperation with the U. S. Army Corps of Engineers and the Chevron Chemical Company.

Both diquat and paraquat are produced in England at the present time. When it becomes economically feasible to produce and distribute floating granule formulation and when and if label clearance is granted, the technique may prove a boon for aquatic weed control in this country.

Paraquat is used extensively in many foreign countries for control of aquatic plants. It is being used on Lake Kariba in Rhodesia to control salvinia, but not as yet by the floating granule technique.

A floating formulation for herbicide application is a new approach to herbicide placement in aquatic weed control. Research is constantly seeking such new innovations and methods for effective weed control.

Both Weldon and Blackburn, authors of this article, spend full time on aquatic weed control research at the USDA Agricultural Research Service facility at Fort Lauderdale, Fla. Both are active in the Hyacinth Control Society, an organization dedicated to control of noxious aquatic weeds. Blackburn serving as president and Weldon as secretary-treasurer.

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A NEW YORK CITY public affairs counsellor points to small businessmen as the group who have made the United States the economic symbol it is today. Even the most gigantic corporations began as small businesses. Speaking to delegates at the 43rd International Shade Tree Conference and National Arborists Association sessions at Philadelphia, Penn., Joseph J. Eley, president of Public Affairs Counsellors, Inc., challenged tree men to fight for responsible government.

Since 1953, Eley said, the federal government has frequently made noises that indicated concern for the small businessman through the Small Business Administration. Yet the truth is, Eley said, that small businessmen such as the tree care groups are very much on their own in our society. Eley pointed out that more people are engaged in service industries today than in manufacturing. There is little doubt but that the trend will continue. Henceforth, he pointed out, there will be increasing competition for the service dollar. Thus, economic and political trends will have an immense effect on business operators such as arborists. The irony, according to Eley, is that while the small businessmen are the backbone of the free enterprise system, they are given least consideration by the government, by the economist, and by the political and economic press.

In stressing these opinions, Eley proved to be very close to the tone of thinking in evidence by tree men attending the annual international conference. Many seemed concerned with the rising cost of doing business, and the necessity for care in keeping service charges keyed to costs of operation. At the same time delegates were highly enthusiastic about the impetus of the National Beautification Program and its impact on citizens at large. Business apparently is booming and at the same time more careful business manage-

A WTT staff report on the 43rd International Shade Tree Conference at Philadelphia, Pa., meeting in conjunction with the ISTC were members of the National Arborists Association. The groups will meet next year at Chicago, Ill., August 11-16.
With Business Management ISTC and Arborist’s Annual

Secretary of Agriculture Orville Freeman, in his keynote speech, emphasized the Convention theme, “Beautify With Trees,” when he reviewed the work of the Department in the beautification effort. Secretary Freeman said the national campaign involving the Department of Agriculture is to encourage individuals and communities to plant more trees. And not only to plant trees, but to plant the right trees, and to take care of them after they are planted. "Unfortunately," the Secretary said, "many Americans... have, for their entire lives, been separated from trees and from flowers... from something that I think is within us all, and has been since the Garden of Eden. It is an affinity with nature, of which we are a part. It is a longing for the beautiful and the good." This situation, the Secretary implied, may well be one of the complex factors responsible for the discontent in the land today. Crowded, ugly living, he said, creates what scientists call the “stress syndrome.” In short, Secretary Freeman said, we need, as human beings, to "smell the flowers."

Like Secretary Freeman, Robert F. Lederer, executive vice-president of the American Association of Nurserymen, stressed the value to the nation of the...
Fairmount Park was setting for buffet luncheon and massive field demonstration during Conference. Buffet included silver service, and park attendants along with Park Director Harold Schick served as hosts to Conference guests.

Myers demonstrated new TT29 Tall Tree mist sprayer. Equipment according to Myers representative is designed especially for tree protection, mosquito control, leaf windrowing, brush burning and sanitation spraying.

Fitchburg Chipper demonstration was staged, right, by Arborist Equipment Co., Philadelphia. Chipper is built by Fitchburg Engineering Corp., Fitchburg, Mass.

Weed Control Service, Inc., Portland, Ore., demonstrated the Ackley line of hydraulic and air powered tools. Ackley equipment is built by Ackley Manufacturing Co., Portland, Ore.