

Department of
Horticulture

MICHIGAN
STATE
UNIVERSITY

COMPACT FRUIT TREE

ROOTSTOCK BEHAVIOR

SPUR TYPES

INDUCED DWARFING

CULTURAL PRACTICES

THE INTERNATIONAL DWARF FRUIT TREE ASSOCIATION

No. 2 April 1986 Prepared by Ronald L. Perry

Highlights - 29th IDFTA Conference

The board, members, and executives would like to thank the many excellent speakers who presented informative papers to the over four-hundred persons in attendance. A special thanks goes to Dr. Richard Funt and Mr. Randal Zontag, Ohio Cooperative Extension Service and growers Bill Eyssen and Jim Patterson for their fine efforts in hosting us on the enjoyable orchard/marketing tour. Dr. Dave Ferree of Ohio State and Dr. Gerry White of East Malling Research Station, U.K. are appreciated for their pruning demonstration at Patterson's Orchard. Besides our large membership from North America there were in attendance: Sweden, Africa, Belgium, and England.

The annual banquet was enjoyed by all, and especially by Bob and Shirley Carlson, who were honored for their long service to the IDFTA. Many friends surprised the Carlsons with a "modest check" to be used in support of their future travels. Accompanying the check were albums of letters and photos from IDFTA members and friends as well as an album from the East Malling Research Station, U.K. group. I've included a thank you note from Bob Carlson in this issue.

The recipients of the 1986 merit awards included our featured speaker at the banquet, Dr. Paul Larsen, Utah State University, and posthumously, Mr. Fred Fredrickson of Mt. Jackson, Virginia. The latter award was accepted by Mrs. Eleanor Fredrickson (wife) and Mrs. Livy Whitehurst (daughter). Both recipients were cited for their long service to the IDFTA.

IDFTA Merit Award for Dr. Paul R. Larsen, Director of Extension Utah State University, Logan, Utah read as follows: During the past 30 years Paul Larsen has served the horticultural industry well. His enthusiasm for guiding fruit growers in the many cultural aspects has helped to keep the fruit industry growing and to produce better fruit efficiently.

During his research and extension activities in Michigan he became a friend to all growers because of his timely advice and lively jokes in both good and bad cycles. Indeed, Paul was in Michigan at the inception of this Association and took part in many meetings and pruning demonstrations. As a columnist for the American Fruit Grower, he hung on tight and never fell while being "Out on the Limb".

As director of the Tree Fruit Research Station at Wenatchee, Washington, Paul was a "guiding light" in research which benefited the individual grower and the entire fruit industry. Now, at his more elevated position at Utah State

University, we can visualize him "sneaking" away occasionally to visit a grower and chat over a good cup of coffee.

For these and many other benefits to the industry, we the members of this association, present you this IDFTA Award.

IDFTA Merit Award for Fred Fredrickson, Fruit Grower, Mt. Jackson, Virginia read as follows: Mr. Fredrickson was one of the progressive pioneer fruit growers in Virginia. As a manager of extensive orchards of large standard trees he had the ingenuity and skill to grow quality fruit on well pruned trees. Fred was also alert in finding a market for his fine apples. He explored the market and shipped "Golden Delicious" as far as Scandinavia.

When the movement came to convert from large to smaller trees, Fred was one of the first growers in his state to learn how to plant, grow, and manage high density orchards. He could spot problems and find a means to correct them. Located on rather steep slopes, the trees had to be planted on a contour for efficiency and soil management.

Fred and Eleanor Fredrickson have been members of IDFTA for many years and served as hosts of the 1980 orchard summer tour which was one of the largest in attendance to date.

The Association wishes to present this award to Eleanor Fredrickson in memory of her husband Fred.

Also at the banquet representatives of Indiana Horticultural Society, Wisconsin Apple Growers Association, Maryland State Horticultural Society, and Minnesota Apple Growers Association presented checks in the amounts of \$200, \$500, \$500, and \$500 respectively to the IDFTA Rootstock Research fund.

The Rootstock Research Committee

The rootstock research committee agreed to fund \$31,000 for 25 research projects originating in 13 states and one Canadian province. The list of the approved projects will be included in the soon to be published, Conference Proceedings.

The Board of Directors approved the appointment of three new members to the committee: Dr. Roy Rom, University of Arkansas, Dr. Tara Baugher, West Virginia University, and Dr. Robert Carlson, Michigan State University.

Members going off the committee are thanked for their past service including: Dr. John Barden, Virginia, Dr. Elden Stang, Wisconsin, and Dr. Ron Perry, Michigan.

The committee, especially Elwin Hardy, chairperson, and secretary Dr. Roy Simons, are to be thanked for a job well done.

MEMBERSHIP

There are a small number of past members who have not paid dues for 1986. This is the last newsletter and reminder to those of you who have not paid (\$45 commercial and \$30 educational/institutional).

Proceedings of the 1986 Conference will only be sent to 1986 paid members. An asterisk* follows the name of 1986 paid members on this addressed envelope. There will be a limited number of extra copies of the proceedings on sale after mid summer.

Besides getting these bimonthly newsletters, 1986 members are eligible for a \$10 discount off the upcoming summer tour registration fee. The tour will be in Michigan June 16-19.

1986 Summer Orchard Tour

You should have received by now a flyer and registration form announcing the Michigan summer tour. We in Michigan are excited about hosting this year's tour and look forward to showing you around part of our state. My co-chairperson, Paul Rood, and committee members have cooked up a special treat which will be entertaining and educational. We'll start with our first day visiting 3 apple operations in the morning, lunch in a scenic park, followed by a tour of the Clarkesville Horticulture Experiment Station, and a Bar-B-Q dinner. We're offering a diversionary tour to bird enthusiasts during the morning to the renowned Kellogg Bird Sanctuary and after lunch rejoin the orchard tour at Clarkesville. The second day of tour takes in the Hartford, Watervliet, and Eau Claire area where we'll see peach, cherry, plum, and apple under intensive management. We will cap-off the day with a festive "fish-boil" (lake trout) on the shores of Lake Michigan at scenic Van Buren State Park.

Grapes, strawberries, and blueberries highlight the morning of the third day followed by attendance to one of the largest orchard equipment/demonstration shows in the U.S. at M.S.U.'s Trevor Nicholl Farm, Fennville. Contact me, Ron Perry (517)353-6789 should you have any questions.

***Reminder: Help us out, and save yourself money. Get your registration fee in early, prior to May 23, and it will cost 50% less than after that date.

Special IDFTA Fares on United Airlines Savings on Travel to Kalamazoo, Mi.

United has joined with the IDFTA to offer special airfares (lower than United prices available by any other means) when you attend the conference in Kalamazoo and travel between June 13 and June 22, 1986 inclusive.

To obtain a 5% discount from any United available/applicable fare (Ultra Savers included!), or a 30% discount off standard coach fares (all restrictions waived) -- simply follow these easy steps:

1. Either you or your preferred travel agent phone United's toll-free number at 800-521-4041 (48 contiguous states), or 800-722-5243 extension 6608 (Alaska, Hawaii). Call daily between 8:30 a.m. and 8:00 p.m. E.S.T.
2. Immediately reference the special IDFTA account number 6013H.
3. You may purchase your tickets from your local travel agent, or United will mail them to your home or office. Whichever means of ticketing you choose, the special IDFTA fare can only be obtained when the reservation is initiated by telephone through your special United 800 number, and ticketed in the U.S.

In addition, IDFTA attendees who obtain their flights on United (as outlined above) will be eligible for a special drawing. The prize: 2 complimentary round-trip Continental U.S. tickets good for travel before May 31, 1987 (holiday periods excluded).

Seats are limited, so call early for best availability. Fares are guaranteed at time of ticket purchase.

New IDFTA Board Members

Elected at the recent annual conference were Jim Eckert, Belleville, Il. and Mitchell Lynd, Pataskala, Oh. Outgoing directors, thanked for their service are Richard Bachman, Carroll, Oh. and Bob Edwards, Poplar Grove, Il.

New Bulletin from Canada

If you haven't received it yet, your eyes are in for a real treat. The Ontario Ministry of Agriculture and Food has published a beautifully prepared updated bulletin Publication #430 "Fruit Cultivars: a guide for commercial growers". This new publication is free for the asking, 82 pages in length and is skillfully prepared by D.C. Elfing, A. Dale, K.H. Fisher, N. Miles, and G. Tehrani. A tree census for Ontario, recommended cultivars for Ontario, harvest dates, pollination, virus status, cultivar descriptions and a description of cultivars under test is given in detail for apple, apricot, cherry, grape, peach/nectarine, pear, plum, and berry fruits. Contact IDFTA member/authors Dr. D.C. Elfing, HRIO, Simcoe, Ontario N3Y 4N5 or Dr. G. Tehrani, HRIO, Vineland, Ontario LOR 2E0 for your copy.

1986 Foreign Tour Cancelled

Sorry to say, that in our world we still have problems with International Terrorists. Bob Carlson in consultation with the travel agency decided to cancel this year's trip until things cool down a bit. We're still looking forward, however, to planning for another foreign tour.

Orchard Management

Once you've planted those spur type apples, remember to defruit 'em the first two years and keep the fruit off the central leaders in the third year.

We have had nothing but problems in trying to invigorate spur type and precocious varieties especially on M26, interstems, M7a, and MARK rootstocks if they have been allowed to fruit during the formative years. Problem trees are said to be 'runted' when they reach 5-7 years; don't use up allotted space; and possess a number of old spurs declining in fruit potential. The remedy? Increase fertilizer rate, thin heavily, and make several heading cuts into 2-4 year old wood to increase shoot numbers and fruit size (D.C. Ferree, Wooster, OH.)

Future Publications

I will in the future be trying to inform the membership about various publications that deal with training/management of fruit trees on trellises. Contact me if you have any suggested pamphlets.

Suggestions

Please feel free to contact me anytime regarding suggestions for how we can improve IDFTA programs. We always have an open eye and ears.

After July 30 my new telephone number will be (517)355-5200. Until we move into our new horticulture building, it is still (517)353-6789.

Notice of a special Business Meeting

Proposed amendments of the IDFTA By-Laws

President Don May called for a special meeting June 16, 1986 at 7:30 P.M. in the Student Center (Banquet facility) at Western Michigan University, Kalamazoo, Mi.

Board members during the last directors' meeting proposed the following amendments in the By-Laws which will be voted upon during a special meeting at the upcoming summer tour. A quorum (5%) of the members must be present to con-

stitute a quorum.

Special Meeting Agenda
Proposed By-Law Changes

1. Article II., sec. 2 Resident Agent
(current)

The name of the first resident agent is Robert F. Carlson whose post office address and location is Dept. of Horticulture, M.S.U. East Lansing, Mi. 48824

(Proposed name change)

Substitute: Ronald L. Perry (same address) for R.F. Carlson

2. Article V., sec. 1 Fiscal Year
(current)

The fiscal year of this association shall begin on the first day of January in each year and shall end on the last day of the following December.

(Proposed change)

Substitute: First day of December in each year and shall end on the last day of the following November

WHO IS RETIRING?

June 1979 was a memorable occasion when this person retired from the Department of Horticulture, Michigan State University. He was promoted to Professor Emeritus to allow him some office space and secretarial service to wind down his research activities, and carry on secretarial duties for the International Dwarf Fruit Tree Association. Although at a more relaxed (but busy) pace he has been developing informative programs for IDFTA, writing sundry publications, and traveling.

Seven years later, March 1986 at the 29th annual IDFTA conference in Cleveland he was honored because it was the second retirement. Indeed, it was a tremendous occasion for me and my family to be recognized and honored by such a large group of people. I take this opportunity to let you know how much we appreciate the gifts and kind comments from IDFTA members and others. It has been a wonderful experience to work with growers, researchers, and extension personnel from all over the world.

Our sincere thanks and best wishes in the future to all....

Bob and Shirley Carlson

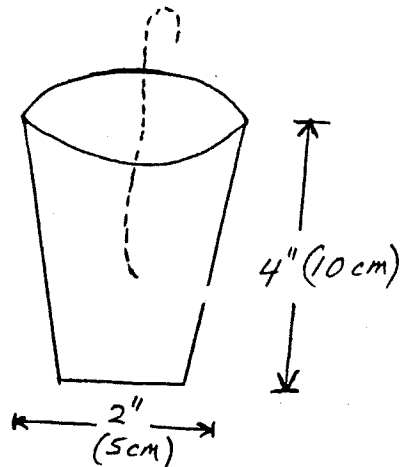
No. 3 August 1986 Prepared by Ronald L. Perry

The 86 Orchard Summer Tour

The turn out for the Michigan Orchard Tour was great. We had from 200 to 225 folks join us each day for a very educational tour. A brief business meeting preceded the tour where more than 5% of the membership was on hand to approve the following By-law changes:

1. The name of the first resident agent is changed from Robert F. Carlson to Ronald L. Perry.
2. The fiscal year shall end on the last day of November and begin on the first day in December.

Our first day tour took us through three well managed apple orchard operations. Bastian Blok showed us his version of the "concrete hanging-spreader". Below is a sketch of types I saw used in Europe last fall. Simply fill the cells of an annual plant seedling/germination tray with concrete; suspend wire before hardening; and as in Bastian's, form a hook on end of exposed wire end. The European ones I saw, threaded the exposed end through a clothespin. Then suspend the weight from upward growing branches in order to spread.



We finished the day with a tour of the Clarksville Hort. Experiment Station. A highlight for peach growers in attendance was a training and pruning demonstration of the Italian "Fusetto" system by Dr. Cristos Xilojannis, University of Pisa, Italy, assisted by Riccardo Gucci, MSU graduate student under Dr. J. Flore.

Fusetto"

Today 90% of peaches grown in Verona and many other areas in Italy are trained to the Fusetto. The remaining orchards are on a Palmett. The orchard is started by planting peach seedling rootstocks at 1-1.5 m(yards) x 4-4.5m apart, and they are field budded at 15-20 cm or 6-10" above soil in August. During this first year, trees are trained to a typical cone shape. See figure showing end of first year. No winter pruning until end of second year. At this time 3 scaffolds are selected, 30 cm (12") from ground. Training is completed with selection of all scaffolds by the end of third leaf. Trees are maintained at 2.5-3 meters (yards) high. Summer pruning is applied to achieve the spindle form. Spreaders are placed and bench cuts are made where necessary and all strong oblique and upright shoots without fruit are removed during the summer. The key to this system is to retain weak and particularly fruit bearing shoots. Dr. Xilojannis also warned that fruiting behavior according to cultivars can change procedure. For example, peaches produce mainly on one-year-old shoots; so pruning is necessary to renew productive shoots. In contrast, many nectarines bear on 2-3 year-old branches, requiring less pruning intensity.

The "Fusetto" system allows for better exploitation of the land (higher density), achieves higher/early returns (table 1), and minimizes labor costs (table 2). Orchards are terminated at the end of 10-12 years.

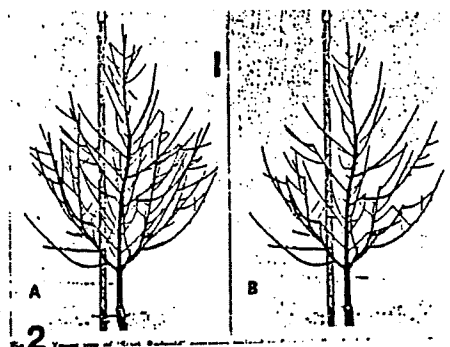


Table 1. Yields of peach and nectarine in Verona province, Italy. Trees were budded in place Aug. 1974; thus 1976 represents the 2nd leaf. (C. Xilojannis).

	Yields (Kg.*/Tree)					Cumulative
	1976	1977	1978	1979	1980	
Redhaven	10	8	32	13	35	98
Stark Redgold	10	21	36	21	37	125

Nectarine

*Multiply by 2.5=pounds

Table 2. Labor (man hours/ha*) required for winter and summer pruning from 1976-1980 of Redhaven peach. (C. Xilojannis).

1976	1977	1978	1979	1980
46	115	76	73	71

*2.5 acres per hectare (ha)

The second day took us to a lot of well managed peach, cherry and apple orchards and a farm market operation. Cherry growers in attendance saw with interest that "Montmorency" was performing best on MxM 60 clonal rootstocks in a heavy clay soil at Hilltop Orchards experimental farm.

The Michigan growers enjoyed hosting the tour and we all look forward to next year's tour in New Hampshire!

30th Annual Conference - Toronto March 1-4, 1987

Start planning now; save the egg money in the cookie jar for this one!

More detail in upcoming newsletters; now for highlights!

*Currency advantage -\$.35 on the American \$.

*Toronto Hilton Harbour Castle, on shores of Lake Ontario, World class Hotel; Shopping starts a few feet away; Easy access

*IDFTA Sunday Supper (March 1) - Top of world's tallest free standing structure - C.N. Tower (about \$15 Canadian)

*Over 35 speakers including Dr. Hiroo Koike, one of Japan's top Pomologists. He'll cover apple, peach, and pear rootstocks and describe new Japanese apple and Asian pear varieties and culture.

*Ladies Tour

9 AM-4 PM Tues., March 3 - City tour, lunch, & shopping!

*Banquet: Featuring a visual tour of Canadian Agriculture

*Traditional Orchard Tour

You can't miss this one! If nothing else, "One new idea can make the whole trip worthwhile".

COMPACT FRUIT TREE VOL. 19, 1986

Proceedings of the 29th Annual Conf., Cleveland have been sent out to all paid members. A limited number are available at 228 pages with the membership directory for \$20. If you're a paid member but haven't received one, please contact me.

Thanks to Gerber Products Company

With many thanks and great appreciation, the association recently accepted \$2,500 from the Gerber Products Company. "IDFTA still has a pertinent part to play in bringing together various segments of the fruit industry on a local, state, and international level. Gerber is pleased to support the organization's research efforts in keeping members informed and lines of communication open." Norman Reath, Gerbers Ag Res Mgr

In the last Board of Director's meeting, June 16, 1986, the Board approved an additional request by Mr. Reath that the grant should help to support Dr. Bob Carlson in his continued efforts in publishing IDFTA historical documents and other related papers.

TREE FRUIT STUDY TOUR TO AUSTRALIA AND NEW ZEALAND -- 1987

The tentative dates for a concentrated orchard tour "down under" are January 16 to February 14, 1987. Many fruit crops will be observed in grower orchards as well as at Fruit Tree Research Stations in these two interesting countries of Australia and New Zealand. In January and February the fruit from peaches, nectarines, and apricots are harvested. Early apples and pears are starting to ripen in February.

Fruit areas in New South Wales and Victoria will be covered enroute from Sydney to Melbourne. The Experiment Station at Bathurst will be the first stop. From there the group will move via bus to Orange and Leeton where the Yanco Research Station is located. A great deal of research here deals with systems of tree training and mechanical harvesting as well as tree cultural practices. The following stops enroute to Melbourne will be Shepparton, Echuca, and Tatura. Free time will be allowed in Melbourne to relax, and a trip to Phillips Island to see the Penguins arrive from the sea is planned.

After a short flight next day, we will arrive at Launceston, Tasmania, followed by a visit to Hobart for a visit with pomologists, and the tour of the Huon Valley fruit area. Tasmania has a long history of fruit growing mainly because of different soils and climate and marketing conditions.

The group will move to New Zealand from Hobart to Sydney, landing at Wellington next to the major Nelson/Picton fruit growing area. After a full day observing intensive plantings there, the tour will bus to Christchurch to observe the Lincoln trellis tree training and variations of it. Mechanical harvesting of apples is one major objective of the research station.

A short flight to North Island from Christchurch will take us into the "fruit basket" of New Zealand at Hawkes Bay, the Hastings and Napier growing districts. Most of two days will be in this area to observe in full detail the types of soil/climate, the system of culture and training, and fruit marketing arrangements.

After a scenic ride to Rotorua and a night there, it will be time to move to Auckland, Sydney, and Hawaii, where plans call for two days of relaxation prior to returning to spring time in the States.

This interesting tree fruit tour will fill fast on a first come basis. To get your name on the list contact:

Dr. Robert Carlson	or	College Travel Office
4598 Seneca Drive		c/o Ann Allen
Okemos, MI. 48864		130 W. Grand River
Col.Trvl.Tel.517-351-6016		East Lansing, MI. 48823

No. 4 October 1986 Prepared by Ronald L. Perry

We're All Moved In

We apologize for our tardiness in publishing this newsletter and in responding to various inquiries. We returned from the International Horticulture Congress meeting held in Davis, California this past September just in time to move from our old Horticulture building to a newly built structure, known as the Plant and Soils Science Building. The new facility is quite impressive and supports both the Horticulture Department and the Crop and Soil Science Department of Michigan State University.

We now have an office solely dedicated to conducting IDFTA business in this new building. Our telephone number (517)355-5200 and address have not changed. More importantly, we are finally overcoming the disruptions, and we hope to be able to serve the IDFTA membership better.

The IDFTA Annual Conference

If you haven't started, it's time to be making plans for attending the 30th annual IDFTA conference in TORONTO, CANADA, MARCH 1-4, 1987. The conference will be held at the Hilton Harbour Castle Inn. This will be our first attempt at holding our annual winter/spring meeting outside of the U.S. The meeting, with its general theme "Large Fruit from Small Trees" will begin on Sunday evening with Dr. Bob Carlson. He will highlight with a slide presentation a recent IDFTA tour of fruit operations in New Zealand and Australia.

Two foreign speakers have been invited to join Dr. Carlson and other fruit experts for the 2 day educational program. Dr. Hiroo Koike from The Nagano Fruit Experiment Station, Suzaka, Japan has agreed to make presentations on Japanese fruit tree culture, rootstocks for peach and apple, and Japanese apple varieties. We are also asking Dr. Koike to describe Asian pear culture. Dr. Koike is a well known extension and research specialist who is knowledgeable in the above subjects. Dr. Koike's trip is partially being sponsored by the Washington Tree Fruit Commission.

Additionally, Dr. Herman Oberhofer of the South Tirolean fruit and grape research and extension service, Lana, Italy will be on hand to describe apple growing in the South Tirol. He will discuss apple cultivars, rootstocks, and

training systems in his area. The apple industry in northern Italy has made a dramatic change from vigorous trees in 1960 to palmett trained trees on seedlings in 1970 to high density plantings on M9. This change was made without the intermediate step of using M7, MM111 and other semidwarf rootstocks. Dr. Oberhofer is a respected fruit specialist who has contributed greatly to the development of an extremely progressive apple industry.

The educational program will be followed on Wednesday, March 4, with a traditional orchard and pruning demonstration tour in nearby orchards. More details about the program are forthcoming.

MAIL PROBLEMS

Vol. 19, COMPACT FRUIT TREE (proceedings of the Cleveland meeting) were sent out the end of July. Much to our surprise, there were a number of packages which never got past some post offices. So, please contact us if you have not received the book.

THE INTERNATIONAL HORTICULTURE CONGRESS MEETING, U.C. DAVIS, August 1986

Just thought I would relate some interesting bits of news items gained at the recently held 10 day meeting of Horticulturists from all over the world.

New Rootstocks from Romania In the last 20 years, researchers have produced new rootstocks, 4 for apple, 3 for pear, 9 for plum, 4 for cherries, 3 for peach, 1 for walnut, and 1 for chestnut.

Apple rootstocks:

- 'Patul' - cold hardy, adapt to wide range of soils, good for spur types and sandy soils
- 'G 21'-Malus pumila - M9-M26 size, considered better than M9

Plum rootstocks:

- 'Otesani B'-Frunus domestica - propagated as seedling on hardwood cuttings, cold hardy, adapts to clay soil, planted at 800-1000 trees/ha

Other stocks:

- 'P.F. Galbior' P.domestica
- 'Porumbar de lasi' P.spinosa

Cherry rootstocks:

- 'VVI' -Frunus cerasus, from northern Moldavia, cold hardy, resists leaf spot, compatible with all sweet and sour cherry varieties tested, propagated by layering.

- 'I.F.-Cl; - F. cerasus x avium, compatible with sweet cherry varieties tested, 16-20% less vigorous than on Colt, propagates by layering and softwood cuttings.

(Authors: P. Farnia, G. Mladin, I. Dufu and N. Stanciu, Research Institute for Fruit Growing, 0300 Pitesti-Maracineni, Romania.)

New Peach Rootstocks from France. Researchers at INRA, Font-de-la-Maye., Bordeaux have announced the naming of 2 new peach rootstocks, 'Myran' and 'Ishtara' (authors R. Renaud, R. Bernard, Ch. Grasselly and F. Dosba.)

'Myran' (also known as Yumir) was identified as FFH 1 in testing. It is a hybrid of P 332 Frunus salicina cv. 'Yunnan' (peach) Compatible with nectarine, plum, peach, apricot, and almond; good anchorage, moderate tolerance to wet feet (heavy soils), vigor and productivity of all scions increased after 3 harvests by 20-50%. Propagates by hardwood cuttings.

'Ishtara' (Also known as Ferciana) was identified in testing as FFH2. It is a hybrid of "Elsiana" (P322) P. salicina and a natural hybrid of Myrobolan x Peach P871. Compatible with plum, peach, almond, but not with nectarine and apricot; semi-dwarfing and an excellent rootstock for some P. domestica varieties Green Gage, Stanley, French prune, etc. Plum scions are 20% less vigorous than on Marianna but 70% more productive, slightly susceptible to wet feet.

There are many other interesting items discussed at the meeting which I will include in the next newsletter.

Noted Horticulturist Dies

Not long after the IHC meeting, Aug. 27, Dr. Ron Tukey, died of an apparent heart attack. Dr. Tukey was a respected extension pomologist located at Prosser, Washington.

The outspoken Tukey, as many of you know, was not only a supporter of the IDFTA, but the son of Harold Tukey, Sr., who helped Dr. Bob Carlson establish the IDFTA. Dr. Tukey is survived by his mother, Ruth Tukey-Bates of East Lansing, Michigan; his wife, Elizabeth, and six children: Margaret, Deiotte, Brad, John, Frank, Liz, and Ann Tukey. His brother, Dr. Harold Tukey, Jr., is director of Horticulture at the University of Washington, Seattle, and his brother, Dr. Loren Tukey, Professor of Horticulture at Penn State University, State College, Pa. Loren is a longtime active member of the IDFTA.

Stressed Trees

Early fall is a good time to look for trees that are stressed. Trees with injured or damaged rootsystems, root rot infections, previous winter damage, and weak unions begin showing yellow/reddish colored leaves early. This is a good time to identify areas in your orchard where you may have wet feet, etc. This fall I have noticed in my peach rootstock plot the early coloration, curling and leaf drop of Redhaven peach on the rootstock 'Citation' (46816). Citation is a rootstock developed by Floyd Zaiger, Modesto, Calif. It is a hybrid between plum (P. salicina) and peach. He has had a wide range of scion cultivars propagated on it without problems. Unfortunately, 'Redhaven', one of the most widely grown cultivars is apparently incompatible with 'Citation'. 'Redskin' trees in the same planting (1982) appear to be compatible even though they are 50% smaller in size.

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No. 1 February - 1986

New Executive Secretary and Treasurer

Hi:

I would like to take this opportunity to introduce myself and my wife, Ann. We are honored and at the same time humbled by the responsibilities (snowed under!) of our new positions in the IDFTA. All of us realize how much Bob and Shirley Carlson have meant to this organization. The IDFTA was begun and has matured into a thriving important association for fruit growers under their guidance. In the future we will do our best to maintain the standards they have set.

Ann is a graduate in elementary education from Baylor University in Texas. She taught 4th and 5th grades in Texas for 11 years before our move to Michigan in 1980. She is currently busy raising our two sons (5 and 9 years of age) and working with remedial math students in our Haslett School District.

I succeeded Bob at the Horticulture Department in 1980 following his retirement from many years of tree fruit rootstock research. I was raised on my family's prune, apricot, cherry, and walnut orchards in the Santa Clara ("Silicon") Valley of California. I received my B.S. degree in Fruit Production in 1968 from Cal Poly State University, San Luis Obispo, Ca. After a 3-year stint in the U.S. Army I continued my education at Texas A&M University. I conducted research in peach breeding and grape variety and rootstock improvement in the Horticulture Department. My interest in root systems and rootstocks related to the soil environment intensified and turned into a PhD dissertation. Since 1980 I have had the great fortune to continue research and extension work in these areas on tree fruits in Michigan.

So much for the personal stuff. Now on with the rest of the news.....

The 29th Annual Conference - Mar. 2-5, 1986
At: The Stouffer Inn-On-The-Square, Cleveland, Ohio

As detailed in the Compact Fruit Tree Newsletter No. 6, we anticipate an excellent educational opportunity. This is not just another winter (for southerners, spring!) fruit growers meeting! One look at the program, and you can see just how many excellent and interesting speakers there are slated from many parts of North America and Europe. Join us Wednesday, Mar. 5 for our annual orchard study tour. Dr. Richard Funt, Ohio State Univ. has, with the assistance of local extension agents and Dr. Dave Ferree, prepared a great

opportunity to see fruit orchard and marketing operations in the Cleveland area. As usual, a pruning demonstration is planned; so come prepared for the outdoors.

CONFERENCE REGISTRATION/IDFTA MEMBERSHIP DUES

At this time the Treasurer would like to remind many past members :

Membership dues for those who haven't paid are:

\$45.00 Commercial
\$30.00 Educational & Libraries

Membership entitles you to:

1. Conference Proceedings (Compact Fruit Tree)
2. Bimonthly newsletters

Some have confused conference registration prior to Feb. 15, 1986 @ \$15.00 with membership.

Remember that more than 50% of your dues goes to the Rootstock Research Committee for the support of many research projects across principally North America (27 projects in 1985).

POME AND STONE FRUIT ROOTSTOCK RESEARCH COMMITTEE

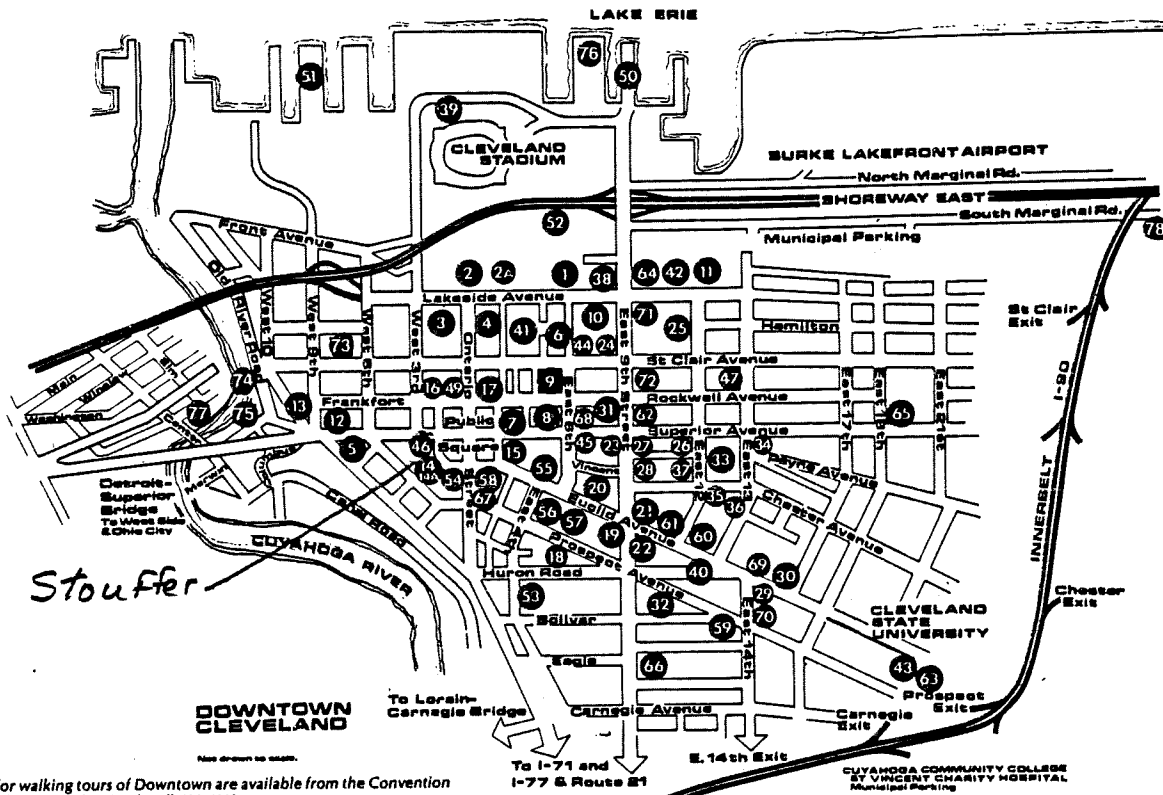
This committee is comprised of researchers conducting rootstock research in over 30 states and Canadian provinces. The IDFTA has been a very integral part of this committee in helping its establishment and in helping to financially support uniform rootstock trial plantings. Growers annually learn of the importance of individual plots without realizing that the IDFTA Rootstock Research Committee funded much of the cost of trees and shipping and handling. Credit also must go to nurseries such as Oregon Rootstock, Inc. and Hilltop Nursery for making trees available for these projects at low cost. Last, but not least, Dr. Dave Ferree, Ohio State Univ. must be given credit for his project spearheading and coordination.

EASTERN PEACH PRUNING CONFERENCE IN WEST VIRGINIA

The annual Eastern Peach Pruning Conference is slated for March 12, 1986 at the Sheraton Martinsburg Inn, Martinsburg, W.V. Contact Tara Baugher, Extension Specialist, West Virginia Univ. for more information.



Ronald E. Perry, Secretary
International Dwarf Fruit Tree Association
Department of Horticulture
Michigan State University
East Lansing, Michigan 48824



Maps and literature for walking tours of Downtown are available from the Convention and Visitors Bureau of Greater Cleveland; call 621-4110.

PUBLIC BUILDINGS:

1. City Hall
2. County Courthouse
3. Justice Center
5. State of Ohio Office Bldg.
6. Public Hall & Convention Center
7. Old Federal Bldg.
8. Public Library
9. Bd. of Education
10. Federal Bldg.
11. Public Utilities Bldg.

SELECTED OFFICE BUILDINGS:

12. Rockefeller Bldg.
13. Western Reserve Bldg.
14. Terminal Tower (Tower City Center)
- 14A. Rapid Transit
15. Sohio Building
16. Illuminating Bldg.
17. Society National Bank
18. Ohio Bell (700 Prospect)
19. Citizen's Federal Tower
20. National City Center
21. Huntington Bldg.
22. Ameritrust Tower
23. Central Bank Bldg.

24. Bond Court
25. Erieview Plaza
26. Diamond Shamrock
27. East Ohio Gas
28. Ohio Savings Plaza
29. Hanna Bldg.
30. Keith Bldg.
31. Statler Office Tower
71. Ohio Bell
72. One Cleveland Center

HISTORICAL BUILDINGS

73. Warehouse District

RESIDENTIAL:

31. Regency Tower
32. Carter Manor
33. The Park

34. Ernest Bohn Tower
35. The Chesterfield
36. Parkview Inn
47. St. Clair Place
74. River Bend Condominiums

PARKS:

37. Chester Commons
38. Willard Park
39. Donald Grey Gardens
40. Huron Road Mall
41. Hanna Fountain Mall
- 2A. Huntington Park
75. Settlers Landing
76. Pier 34
77. Heritage Park

HOTELS:

42. Holiday Inn-Lakeside
 43. Holiday Inn-E. 22nd
 44. Bond Court
 45. Hollenden House
 46. Stouffer Inn-on-the-Square
 78. Lakefront Hotel
- POINTS OF INTEREST:**
49. Old Stone Church
 50. East 9th St. Pier
 51. Port of Cleveland
 52. Amtrak Station
 53. New Central Market
 54. Higbee's
 55. Old Arcade

56. Colonial Arcade
57. Euclid Arcade
58. May Company
59. Gray's Armory
60. Union Club
62. St. John's Cathedral
63. Trinity Cathedral
64. North Point
65. Plain Dealer
66. Erie St. Cemetery
67. RTA Customer Service Ctr.
68. Federal Reserve Bank
69. Playhouse Square Theatres
70. Hanna Theatre